



Dr. Michael T. Longaker

Deane P. and Louise Mitchell Professor in the School of Medicine and Professor, by courtesy, of Materials Science and Engineering Surgery - Plastic & Reconstructive Surgery

CLINICAL OFFICE (PRIMARY)

- **Hagey Building**

257 Campus Dr Room GK106

MC 5148

Stanford, CA 94305

Tel (650) 736-1706 **Fax** (650) 736-1705

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Virginia Ford - Sr. Administrator

Email vmford@stanford.edu

Tel 650-736-1707

Bio

CLINICAL FOCUS

- Plastic Surgery
- Plastic Surgery, Pediatric

ACADEMIC APPOINTMENTS

- Professor, Surgery - Plastic & Reconstructive Surgery
- Professor (By courtesy), Materials Science and Engineering
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Institute for Stem Cell Biology and Regenerative Medicine
- Member, Wu Tsai Human Performance Alliance
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Member, Stanford Diabetes Research Center, (2018- present)

PROFESSIONAL EDUCATION

- Residency: UCSF Dept of General Surgery (1993) CA
- Internship: UCSF Dept of General Surgery (1985) CA
- Board Certification: Plastic Surgery, American Board of Plastic Surgery (2010)
- Fellowship: UCLA Dept of Plastic Surgery (1996) CA
- Residency: New York University Plastic Surgery Residency (1995) NY
- Medical Education: Harvard Medical School (1984) MA

- Board Recertification, American Board of Surgery, General Surgery (2004)
- Board Certification, American Board of Plastic Surgery, Plastic Surgery (1998)
- Board Recertification, American Board of Plastic Surgery, Plastic Surgery and Craniomaxillofacial (2009)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Longaker earned his undergraduate degree at Michigan State University, (he played varsity basketball & was a member of the 1979 NCAA Men's Basketball Championship Team) and his medical degree at Harvard Medical School. He completed his general surgical residency at the University of California, San Francisco, a residency in Plastic Surgery at NYU & a craniofacial fellowship at UCLA. In December 2003, Dr. Longaker earned his M.B.A. from University of California Berkeley and Columbia University, in the inaugural class of their combined program and was elected into Columbia University's Beta Gamma Sigma Honor Society.

Michael Longaker's research experience focuses on wound repair and fibrosis, with specific applications to the different systems between fetal and post-natal wound healing. His research has opened up two fields: fibroblasts heterogeneity / regeneration during wound repair and skeletal stem cells. He made the discovery that embryos heal without a scar early in gestation and transition to scarring late in gestation a while as a post-doc at UCSF. Over the past three decades he has worked out how mechanical forces promote scarring in adult animals. His laboratory identified the fibroblast lineage responsible for scarring in mouse dorsal wounds (Science, 2015). Most recently, he achieved true regeneration without scarring during adult mouse wound healing and has worked out mechanisms through which this occurs (Science, 2021; Cell Stem Cell, 2022; Science 2023; Cell Stem Cell, 2023; Cell Stem Cell 2025; Science Translational Medicine 2025; Science Translational Medicine 2025).

Beyond wound healing, he is also an international leader in tissue and organ fibrosis, publishing work in a range of organ systems: foreign body response (Nature Biomedical Engineering, 2025), lung (Nature, 2025), intra-abdominal adhesions (Nature Communications, 2020; Science Translational Medicine 2025), and Crohn's disease (Cell, 2025).

His laboratory identified mouse skeletal stem cells in 2015 (Cell) and human skeletal stem cells in 2018 (Cell). He would show how skeletal stem cells are expanded during fracture repair (PNAS, 2015), are impacted by diabetes (Science Translational Medicine, 2017) and can be guided toward cartilage regeneration following microfracture surgery (Nature Medicine, 2020). He has shown that skeletal stem cells in the jaw can be activated by mechanical forces and revert back to a cranial neural crest fate during jaw regeneration (Nature, 2018). Most recently, he has shown that osteoporotic fractures can be rescued with local therapy to heal in a youthful like manner (Nature, 2021).

He is a member Association for Academic Surgeons, the Society of University Surgeons, American Surgical Association and American Society for Clinical Investigation, the Association of American Physicians, the National Academy of Medicine. Dr. Longaker is the recipient of the prestigious Fance-Karl Award and the Medallion for Scientific Achievement from the American Surgical Association, the Lifetime Achievement Award from the Society of University of Surgeons, the recipient of the American College of Surgeons, Surgical Forum dedication in 2015. He served as Treasurer and subsequently President for the Society of University Surgeons. He has published over 1400 publications and has numerous federal grants to support his research.

He is an inventor on over 100 issued or applied for patents and patent applications. He has also funded several venture-backed start-up companies, including Neodyne Biosciences (www.neodynebio.com) and Arresto Biosciences, which was acquired by Gilead (NASDAQ:GILD) in January 2011. He is

a founding partner of Tautona Group (www.tautonagroup.com), an early-stage life science fund that has created novel biomedical technologies that have been sold to industry leading companies, such as Allergan (NYSE:AGN), Novadaq (NASDAQ:NVDQ), and Acelyt/KCI (San Antonio, TX).

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Khristian Bauer-Rowe, Mia Fowler, Kelly Huang, Serena Jing, Caroline Yao

Doctoral Dissertation Reader (AC)

Franco Felix

Postdoctoral Faculty Sponsor

Sanja Bojic, Chuner Guo, Maria Korah, Dayan Li, Antonio Tomasso

Doctoral Dissertation Advisor (AC)

Khristian Bauer-Rowe, Sarah Dilorio, Maria Korah, John Lu, Jennifer Parker, Helen Wang

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Stem Cell Biology and Regenerative Medicine (Phd Program)

Publications

PUBLICATIONS

- **Metabolic Effects on Wound Healing.** *Advances in wound care*
Yao, H., Griffin, M. F., Jing, S. L., Kawamoto-Duran, D. S., Tarter, J. G., Liang, N. E., Longaker, M. T., Wan, D. C.
2026: 21621918261438987
- **A single-cell tumor atlas defines robust pathway and gene signatures enabling cancer cell-line fidelity assessment.**
Reveron-Thornton, R. F., Guo, C., Agolia, J. P., Korah, M., Xie, P., Delitto, A., Goncalves, A., Tabora, A., Reddy, B., Bobst, W., Kirane, A. R., Dua, M., Visser, et al
AMER ASSOC CANCER RESEARCH.2026
- **Integrated multiomic atlas of pancreatic solid pseudopapillary neoplasms suggests acinar cells as a potential cell-of-origin**
Reddy, B., Korah, M., Agolia, J. P., Reveron-Thornton, R., Lam, M., Foster, D., Longaker, M. T., Delitto, D.
AMER ASSOC CANCER RESEARCH.2026
- **Mapping lymphoid responses to tumor growth and lymph node metastasis: multiomic spatial analysis of pancreatic ductal adenocarcinoma reveals tertiary lymph node structures.**
Agolia, J. P., Guo, C., Reveron-Thornton, R. F., Li, X., Korah, M., Tabora, A., Lee, B., Kirane, A. R., Poultssides, G., Visser, B., Charville, G. W., Longaker, M. T., Foster, et al
AMER ASSOC CANCER RESEARCH.2026
- **Multidimensional transcriptomic atlas of recurrent uterine leiomyosarcomas uncovers stem-like hormonal cells with high drug sensitivity and improved patient outcomes.**
Korah, M., Agolia, J. P., Reddy, B., Flojo, R. A., Goncalves, A., Wang, L., Reveron-Thornton, R. F., Guo, C., Sun, B., Kirane, A. R., Poultssides, G., Foster, D., Huang, et al
AMER ASSOC CANCER RESEARCH.2026
- **A MUC1-overexpressing epithelial population is associated with CDH1 loss-of-function gastric adenocarcinoma.**
Guo, C., Reveron-Thornton, R. F., Li, X., Agolia, J. P., Korah, M., Xie, P., Goncalves, A., Tabora, A., Xia, L., Barakat, N., Poultssides, G., Lee, B., Kirane, et al
AMER ASSOC CANCER RESEARCH.2026
- **A Translational Surgical Porcine Model for Postoperative Intra-Abdominal Adhesion Formation.** *Journal of visualized experiments : JoVE*

- Reveron-Thornton, R. F., Hsu, C. H., Bobst, W., Guo, J. L., Meany, E. L., M Williams, C., Berry, C., Fallah, M., Korah, M., P Agolia, J., Guo, C., Fell, G. L., Hyun, et al
2026
- **FGF2 alters the calvarial suture niche homeostasis shifting skeletal stem cell/progenitors toward an osteo-angiogenic coupling fate.** *Stem cells translational medicine*
Quarto, N., Menon, S., Guo, J. L., Salhotra, A., Longaker, M. T.
2026; 15 (3)
 - **Dental, Oral and Craniofacial Tissue Regeneration Consortium (DOCTRC): An infrastructure for accelerating regenerative therapies from discovery to clinical impact.** *Journal of clinical and translational science*
Nguyen, V. X., Yoshida, M., Samuels, B. D., Giannobile, W., Healy, K. E., Jamieson, M., Lane, N., Longaker, M. T., Mooney, D. J., Sfeir, C. S., Sinha, U. K., Wagner, W. R., Lotz, et al
2026; 10 (1): e38
 - **Mouse Models of Muscle Fibrosis: Mechanisms, Methods, and Applications.** *Biomedicines*
Dilorio, S. E., Fowler, M. J., Young, B., Griffin, M. F., Longaker, M. T.
2026; 14 (2)
 - **Fibroblasts of disparate developmental origins harbor anatomically variant scarring potential.** *Cell*
Griffin, M. F., Li, D. J., Chen, K., Parker, J. B., Guo, J. L., Kim, S., Kraft, K., Downer, M., Morgan, A. G., Kuhnert, M. M., Jing, S. L., Yao, H., Valencia, et al
2026
 - **Engineered mucus-tethering bispecific nanobodies enhance mucosal immunity against respiratory pathogens.** *Nature nanotechnology*
Zhao, L., O'Donnell, K. L., Dubey, M., Wang, Y., Martinez, N. R., Zhang, Y., Steinger, H. M., Ma, C., Mallajosyula, V., Lee, L. L., Lachmansingh, R. N., Stavitsky, S., Takematsu, et al
2026
 - **NFAT mediates pro-tumorigenic inflammation in cancer-associated fibroblasts in pancreatic ductal adenocarcinoma.** *Cell reports*
Guo, C., Griffin, M. F., Morgan, A. G., Foster, D. S., Parker, J. B., Januszyk, M., Lindsay, H. G., Guardino, N. J., Reveron-Thornton, R., Xie, P. Y., Valencia, C., Kuhnert, M. M., Korah, et al
2026; 45 (1): 116849
 - **Protocol for orthotopic implantation of a collagen hydrogel to model pancreatic ductal adenocarcinoma in mice.** *STAR protocols*
Agolia, J. P., Xie, P. Y., Korah, M., Fallah, M., Reveron-Thornton, R. F., Guo, C., Reddy, B., Sivasubramanian, R., Longaker, M. T., Chaudhuri, O., Foster, D. S., Delitto, D.
2026; 7 (1): 104337
 - **The Sh3Pxd2bnee^{-/-} mouse: an attractive model unveiling novel developmental features in Frank-ter-Haar Syndrome.** *Development (Cambridge, England)*
Huber, J., Menon, S., Lopez-Torres, M., Guo, J. L., Longaker, M. T.
2026
 - **Fibroblasts of disparate developmental origins harbor anatomically variant scarring potential** *Cell*
Griffin, M., Li, D., Chen, K., Parker, J., Guo, J., Kim, S., Kraft, K., Downer, M., Morgan, A., Kuhnert, M., Jing, S., Yao, H., Valencia, et al
2026
 - **Metabolic Effects on Wound Healing** *Advances in Wound Care*
Yao, H., Griffin, M., Jing, S., Kawamoto-Duran, D., Tarter, J., Liang, N., Longaker, M., Wan, D.
2026
 - **Understanding and Advancing Wound Healing in the Era of Multi-Omic Technology.** *Bioengineering (Basel, Switzerland)*
Jing, S. L., Suh, E. J., Huang, K. X., Griffin, M. F., Wan, D. C., Longaker, M. T.
2025; 13 (1)
 - **A Developmental Roadmap Toward Abdominal Adhesions Prevention Technologies.** *Annals of surgery open : perspectives of surgical history, education, and clinical approaches*
Christensen, R. R., Wright, K. E., Ives, J. K., Minnick, C. E., Chen, Q., Girgis, M. D., Ko, C., Gibbons, M. M., Russell, T. A., Huy, T. C., Bercz, A., Smith, J. J., Bailey, et al
2025; 6 (4): e637

- **The Challenge of Healing Wounds in Radiation-Injured Skin.** *Advances in wound care*
Lavin, C. V., Kendig, C. B., Kawamoto, D., Tarter, J., Yao, H., Shibale, P., Sunwoo, P. S., Perrault, D., Longaker, M. T., Wan, D. C.
2025
- **Clinical Features and Mechanisms of Differential Wound Healing and Scarring Across Anatomical Sites** *Advances in Wound Care*
Yao, H., Jing, S., Huang, K., Griffin, M., Longaker, M., Wan, D., Li, D.
2025
- **Clinical Features and Mechanisms of Differential Wound Healing and Scarring Across Anatomical Sites.** *Advances in wound care*
Yao, H., Jing, S. L., Huang, K. X., Griffin, M. F., Longaker, M. T., Wan, D. C., Li, D. J.
2025
- **Wound Healing and Management Considerations in the Pediatric Surgical Patient.** *Advances in wound care*
Liang, N. E., Jing, S. L., Suh, E. J., Wang, H. H., Pham, B. P., Chiu, B., Hyun, J. S., Griffin, M. F., Longaker, M. T., Fell, G. L.
2025
- **Single Cell RNA-Seq and Xenium Spatial Transcriptomics Analysis Reveals Potential Mechanism for Migration of Creeping Fat-Derived Mechanosensitive Fibroblast in Crohn's Disease Strictures**
Pham, B., Bauer-Rowe, K. E., Liang, N., Suh, E. J., Longaker, M., Hyun, J.
LIPPINCOTT WILLIAMS & WILKINS.2025: S88
- **Anatomical Heterogeneity of Skeletal Stem Cells Dictates Craniofacial Bone Regeneration**
Takematsu, E., Longaker, M.
OXFORD UNIV PRESS.2025
- **Benchmarking cell type and gene set annotation by large language models with AnnDictionary.** *Nature communications*
Crowley, G., Quake, S. R.
2025; 16 (1): 9511
- **Targeting circulating mechanoresponsive monocytes and macrophages to reduce fibrosis.** *Nature biomedical engineering*
Chen, K., Griffin, M., Henn, D., Berryman, K. S., Sivaraj, D., Kussie, H. C., Bonham, C. A., McKenna, E., Mora Pinos, M. G., Alsharif, A. M., Saenz, F., Matthews, N. E., Jafri, et al
2025
- **The Unique Roles of Adipose Tissue in Wound Healing.** *Advances in wound care*
Parker, J. B., Griffin, M., Akas, D., Liang, N. E., Valencia, C., Morgan, A. G., Kuhnert, M., Dilorio, S. E., Longaker, M. T., Wan, D. C.
2025
- **Disruption of fibroblast MYD88 signaling promotes antitumor immunity in pancreatic ductal adenocarcinoma.** *Cell reports*
Korah, M., Reveron-Thornton, R. F., Fallah, M., Xie, P. Y., Gonçalves, A., Guo, C., Agolia, J. P., Delitto, A. E., Flojo, R. A., Reddy, B., Yip, K. A., Lu, J. M., Tomasso, et al
2025; 44 (10): 116347
- **Surgical Strategies for Tumors of the Pancreas and Duodenum.** *Cancers*
Reveron-Thornton, R. F., Huang, K. X., Delitto, D., Longaker, M. T., Norton, J. A.
2025; 17 (18)
- **Creeping fat-derived mechanosensitive fibroblasts drive intestinal fibrosis in Crohn's disease strictures.** *Cell*
Bauer-Rowe, K. E., Pham, B., Griffin, M., Liang, N. E., Kim, A., Lu, J. M., Januszyk, M., Guo, J. L., De Santis, S., Xing, Y., Prystupa, A., Sidhu, I., Suh, et al
2025
- **Cancer-derived mitochondria fuel fibroblasts to become pro-tumorigenic.** *Nature cancer*
Delitto, D., Longaker, M. T.
2025
- **Correction: Morgan et al. Precision Medicine: IL-1RA and Pancreatic Cancer Organoids.** *Biology* 2025, 14, 604. *Biology*
Morgan, A. G., Griffin, M. F., Longaker, M. T., Norton, J. A.
2025; 14 (9)

- **Multi-omic analysis reveals retinoic acid molecular drivers for dermal fibrosis and regenerative repair in the skin.** *Cell stem cell*
Griffin, M., Guo, J. L., Parker, J. B., Kuhnert, M., Li, D. J., Valencia, C., Morgan, A., Downer, M., Cotterell, A. C., Lu, J. M., Dilorio, S., Bauer-Rowe Ramos, K. E., Januszyk, et al
2025
- **Genetic variation in the activity of a TREM2-p53 signaling axis determines oxygen-induced lung injury.** *Nature immunology*
Abe, Y., Spann, N. J., Tang, W., Zeng, F., Seymour, C., Jansky, S., Guo, J. L., Huff, R., Chanthavixay, K., Richard, J. L., Mooney, M., Dhar, D., Ganguly, et al
2025
- **Growth arrest specific-6 and angiotoxin receptor-like signaling drive oral regenerative wound repair.** *Science translational medicine*
Griffin, M. F., Cook, J., Morgan, A., Boffelli, D., Downer, M., Spielman, A. F., Guardino, N. J., Guo, J. L., Parker, J. B., Januszyk, M., Valencia, C., Kuhnert, M., Lu, et al
2025; 17 (805): eadk2101
- **Prophylactic Decellularized Adipose Matrix Treatment Mitigates Development of Radiation-Induced Cutaneous Fibrosis.** *Annals of plastic surgery*
Berry, C. E., Brenac, C., Kendig, C., Le, T., Huang, K. X., Griffin, M., Kameni, L., Longaker, M. T., Nazerali, R. S., Wan, D. C.
2025; 94 (6): 688-694
- **Precision Medicine: IL-1RA and Pancreatic Cancer Organoids.** *Biology*
Morgan, A. G., Griffin, M. F., Longaker, M. T., Norton, J. A.
2025; 14 (6)
- **Retraction Note: Prophylactic treatment with transdermal deferoxamine mitigates radiation-induced skin fibrosis.** *Scientific reports*
Shen, A. H., Borrelli, M. R., Adem, S., Deleon, N. M., Patel, R. A., Mascharak, S., Yen, S. J., Sun, B. Y., Taylor, W. L., Januszyk, M., Nguyen, D. H., Momeni, A., Gurtner, et al
2025; 15 (1): 16410
- **Osteopontin attenuates the foreign-body response to silicone implants.** *Nature biomedical engineering*
Griffin, M. F., Parker, J. B., Tevlin, R., Liang, N. E., Valencia, C., Morgan, A., Kuhnert, M., Downer, M., Meany, E. L., Guo, J. L., Henn, D., Navarro, R. S., Shefren, et al
2025
- **BA-ECM Score: Automated Quantification of Liver Fibrosis Architecture in Biliary Atresia with Potential for Prognostic Value - A Pilot Study.** *Annals of surgery*
Liang, N. E., Guo, J. L., Griffin, M. F., Bauer-Rowe, K. E., Narang, A., Januszyk, M., Fell, G. L., Dunn, J. C., Chao, S. D., Tan, S. Y., Longaker, M. T., Hyun, J. S.
2025
- **Histological signatures map anti-fibrotic factors in mouse and human lungs.** *Nature*
Guo, J. L., Griffin, M., Yoon, J. K., Lopez, D. M., Zhu, Y., Lu, J. M., Mikos, G., Parker, J. B., Mascharak, S., Brenac, C., Guardino, N. J., Abbas, D. B., Li, et al
2025
- **Human skeletal development and regeneration are shaped by functional diversity of stem cells across skeletal sites.** *Cell stem cell*
Ambrosi, T. H., Taheri, S., Chen, K., Sinha, R., Wang, Y., Hunt, E. J., Goodnough, L. H., Murphy, M. P., Steininger, H. M., Hoover, M. Y., Felix, F., Weldon, K. C., Koepke, et al
2025
- **Postoperative adhesions are abrogated by a sustained-release anti-JUN therapeutic in preclinical models.** *Science translational medicine*
Foster, D. S., Guo, J. L., Meany, E., Berry, C. E., Fallah, M., Korah, M., Januszyk, M., Bauer-Rowe, K. E., Lopez, D. M., Williams, C. M., Song, R., Griffin, M., Kim, et al
2025; 17 (789): eadp9957
- **Inhibiting mechanotransduction prevents scarring and yields regeneration in a large animal model.** *Science translational medicine*
Mascharak, S., Griffin, M., Talbott, H. E., Guo, J. L., Parker, J., Morgan, A. G., Valencia, C., Kuhnert, M. M., Li, D. J., Liang, N. E., Kratochvil, R. M., Daccache, J. A., Sidhu, et al
2025; 17 (786): eadt6387
- **Harnessing the diversity and potential of endogenous skeletal stem cells for musculoskeletal tissue regeneration.** *Stem cells (Dayton, Ohio)*

Weldon, K. C., Longaker, M. T., Ambrosi, T. H.
2025

- **Endothelial-specific CXCL12 regulates neovascularization during tissue repair and tumor progression.** *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*
Hostler, A. C., Hahn, W. W., Hu, M. S., Rennert, R., Fischer, K. S., Barrera, J. A., Duscher, D., Januszyk, M., Henn, D., Sivaraj, D., Yasmeh, J. P., Kussie, H. C., Granoski, et al
2024; 38 (24): e70210
- **The DERMIS Study: Methodologies, Results, and Implications for the Future.** *Journal of diabetes science and technology*
Hirsch, I. B., Khakpour, D., Joseph, J., Shinohara, M. M., Wang, R. K., Klueh, U., Kreutzner, D., Riveline, J. P., Jacquemier, P., Maier, L., Longaker, M. T., Parkin, C. G., Pieber, et al
2024: 19322968241298005
- **AI in plastic surgery: customizing care for each patient** *ARTIFICIAL INTELLIGENCE SURGERY*
Brenac, C., Fazilat, A. Z., Fallah, M., Kawamoto-Duran, D., Sunwoo, P. S., Longaker, M. T., Wan, D. C., Guo, J. L.
2024; 4 (4): 296-315
- **Characterizing Fibroblast Heterogeneity in Diabetic Wounds Through Single-Cell RNA-Sequencing.** *Biomedicines*
Wang, H. H., Korah, M., Jing, S. L., Berry, C. E., Griffin, M. F., Longaker, M. T., Januszyk, M.
2024; 12 (11)
- **Dissecting the Role of Perivascular Cells to Fibroblast Transition Through Single-Nucleus Transcriptomics in Skin Fibrosis**
Tomasso, A., Griffin, M., Parker, J. B. L., Guo, J. L., Lu, J., Berry, C., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2024: S397
- **Radiation-Induced Fibrosis Is Mitigated by Fat Grafting Treatment Through Regulation of N2RFR Signaling**
Kuhnert, M. M., Griffin, M., Guo, J. L., Berry, C., Parker, J. B. L., Liang, N., Januszyk, M., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2024: S388
- **A Comprehensive Meta-Analysis of the Human Wound Microenvironment**
Jing, S. L., Lu, J., Korah, M., Parker, J. B. L., Berry, C., Wan, D. C., Januszyk, M., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2024: S377
- **Creeping Fat-Derived Fibroblasts Promote Intestinal Fibrosis in Crohn's Disease**
Bauer-Rowe, K. E., Pham, B., Korah, M., Guo, J. L., Liang, N., Griffin, M., Delitto, D., Longaker, M. T., Hyun, J. S.
LIPPINCOTT WILLIAMS & WILKINS.2024: S346
- **Piezo Inhibition Prevents and Rescues Scarring by Targeting the Adipocyte to Fibroblast Transition**
Griffin, M., Parker, J. B. L., Tomasso, A., Guo, J. L., Liang, N., Morgan, A., Kuhnert, M. M., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2024: S385
- **Tissue Microenvironment Affects Transcriptional and Epigenetic Landscapes in Mechano-Sensitive Fibroblasts During Foreign Body Response**
Parker, J. B. L., Griffin, M., Liang, N., Guo, J. L., Morgan, A., Kuhnert, M. M., Januszyk, M., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2024: S390
- **Understanding the Remodeling Phase of Wound Healing Using a Multi-Omic Approach**
Parker, J. B. L., Griffin, M., Guo, J. L., Morgan, A., Kuhnert, M. M., Januszyk, M., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2024: S391
- **Dipeptidylpeptidase 4 Is Overexpressed in the Extracellular Matrix of Biliary Atresia-Associated Liver Fibrosis**
Liang, N., Griffin, M., Parker, J. B. L., Guo, J. L., Bauer-Rowe, K. E., Fell, G. L., Dunn, J. C. Y., Tan, S. Y. S., Hyun, J. S., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2024: S347-S348
- **Ferroptosis Inhibition with Deferoxamine Alleviates Radiation-Induced Fibrosis**
Berry, C., Brenac, C., Griffin, M., Kameni, L., Guo, J. L., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2024: S382-S383
- **Utilizing Single Cell Transcriptomics to Delineate Cancer Associated Fibroblasts in Sarcomas**
Korah, M., Lu, J., Jing, S. L., Berry, C., Wan, D. C., Norton, J. A., Delitto, D., Januszyk, M., Longaker, M. T.

LIPPINCOTT WILLIAMS & WILKINS.2024: S460-S461

- **Organoid Assessment of IL-1 Inhibition in Human Pancreatic Ductal Adenocarcinoma**
Morgan, A., Griffin, M., Guo, C., Parker, J. B. L., Januszyk, M., Foster, D. S., Poultides, G. A., Delitto, D., Longaker, M. T., Norton, J. A.
LIPPINCOTT WILLIAMS & WILKINS.2024: S451-S452
- **Simultaneous Multiomic Single-Cell Analysis Reveals Gene Regulatory Mechanism of Interleukin-Based Immunotherapy in Pancreatic Ductal Adenocarcinoma**
Guo, C., Morgan, A., Griffin, M., Parker, J. B. L., Januszyk, M., Foster, D., Delitto, D., Longaker, M. T., Norton, J. A.
LIPPINCOTT WILLIAMS & WILKINS.2024: S456
- **Defining the Tumor Microenvironment Across Thousands of Tumors**
Lu, J., Korah, M., Jing, S. L., Guo, J. L., Berry, C., Wan, D. C., Norton, J. A., Delitto, D., Januszyk, M., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2024: S440-S441
- **Investigation of Creeping Fat Associated Fibroblasts in Smooth Muscle Cell Hypertrophy in Crohn's Disease Stricture Formation**
Pham, B., Bauer-Rowe, K. E., Liang, N., Griffin, M., Guo, J. L., Foster, D., Norton, J. A., Hyun, J. S., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2024: S93
- **Pre-Clinical Trail of Bone Morphogenetic Protein-2-Based Articular Cartilage Regenerative Therapy for Osteoarthritis**
Takematsu, E., Murphy, M., Wang, Y., Zhao, L., Longaker, M., Chan, C. K. F.
OXFORD UNIV PRESS.2024: 329
- **Insights into Irradiation Effects on Vascular Tissues: Single-Cell Transcriptional Analysis from Irradiated Internal Mammary Arteries and Aorta**
Brenac, C., Berry, C., Fallah, M., Griffin, M., Parker, J. B. L., Guo, J. L., Nazerali, R., Momeni, A., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2024: S399
- **TGF- β Signaling Plays a Significant Role on the Skeletal Stem Cell and Tendon Entesis Healing**
Diiorio, S., Titan, A., Davitt, M., Foster, D., Menon, S., Fox, P. M., Chan, C. K., Quarto, N., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2024: S402
- **Charles "Chuck" K.F. Chan (1975-2024).** *Cell stem cell*
Ambrosi, T. H., Longaker, M. T.
2024; 31 (10): 1391-1392
- **Clinical, mechanistic, and therapeutic landscape of cutaneous fibrosis.** *Science translational medicine*
Li, D. J., Berry, C. E., Wan, D. C., Longaker, M. T.
2024; 16 (766): eadn7871
- **Author Correction: Sexually dimorphic estrogen sensing in skeletal stem cells controls skeletal regeneration.** *Nature communications*
Andrew, T. W., Koepke, L. S., Wang, Y., Lopez, M., Steininger, H., Struck, D., Boyko, T., Ambrosi, T. H., Tong, X., Sun, Y., Gulati, G. S., Murphy, M. P., Marecic, et al
2024; 15 (1): 8030
- **Editorial for Special Issue on Artificial Intelligence in Tissue Engineering and Biology** *TISSUE ENGINEERING PART A*
Guo, J. L., Januszyk, M., Longaker, M. T.
2024; 30 (19-20): 589-590
- **Editorial for Special Issue on Artificial Intelligence in Tissue Engineering and Biology.** *Tissue engineering. Part A*
Guo, J. L., Januszyk, M., Longaker, M. T.
2024
- **Marvels of spiny mouse regeneration: cellular players and their interactions in restoring tissue architecture in mammals.** *Current opinion in genetics & development*
Tomasso, A., Disela, V., Longaker, M. T., Bartscherer, K.
2024; 87: 102228
- **Understanding the Foreign Body Response via Single-Cell Meta-Analysis.** *Biology*
Liang, N. E., Parker, J. B., Lu, J. M., Januszyk, M., Wan, D. C., Griffin, M., Longaker, M. T.
2024; 13 (7)

- **Role of ferroptosis in radiation-induced soft tissue injury.** *Cell death discovery*
Berry, C. E., Kendig, C. B., An, N., Fazilat, A. Z., Churukian, A. A., Griffin, M., Pan, P. M., Longaker, M. T., Dixon, S. J., Wan, D. C.
2024; 10 (1): 313
- **Hematoxylin and Eosin Architecture Uncovers Clinically Divergent Niches in Pancreatic Cancer** *TISSUE ENGINEERING PART A*
Guo, J. L., Lopez, D. M., Mascharak, S., Foster, D. S., Khan, A., Davitt, M. F., Nguyen, A. T., Burcham, A. R., Chinta, M. S., Guardino, N. J., Griffin, M., Miller, E., Januszyk, et al
2024; 30 (19-20): 605-613
- **Single-cell transcriptional analysis of irradiated skin reveals changes in fibroblast subpopulations and variability in caveolin expression.** *Radiation oncology (London, England)*
Kameni, L. E., Griffin, M., Berry, C. E., Shariatzadeh, S., Downer, M. A., Valencia, C., Fazilat, A. Z., Nazerali, R., Momeni, A., Januszyk, M., Longaker, M. T., Wan, D. C.
2024; 19 (1): 82
- **Hematoxylin and Eosin Architecture Uncovers Clinically Divergent Niches in Pancreatic Cancer.** *Tissue engineering. Part A*
Guo, J. L., Lopez, D. M., Mascharak, S., Foster, D. S., Khan, A., Davitt, M. F., Nguyen, A. T., Burcham, A. R., Chinta, M. S., Guardino, N. J., Griffin, M., Miller, E., Januszyk, et al
2024
- **Ferroptosis Inhibition with Deferoxamine Alleviates Radiation-Induced Fibrosis.** *Research square*
Berry, C. E., Kendig, C., Bs, T. L., Brenac, C., Griffin, M., Guo, J., Kameni, L., Dixon, S. J., Longaker, M. T., Wan, D.
2024
- **Understanding Tendon Fibroblast Biology and Heterogeneity.** *Biomedicines*
Dilorio, S. E., Young, B., Parker, J. B., Griffin, M. F., Longaker, M. T.
2024; 12 (4)
- **Deferoxamine topical cream superior to patch in rescuing radiation-induced fibrosis of unwounded and wounded skin.** *Journal of cellular and molecular medicine*
Berry, C. E., Abbas, D. B., Griffin, M., Lintel, H., Guo, J., Kameni, L., Churukian, A. A., Fazilat, A. Z., Chen, K., Gurtner, G. C., Longaker, M. T., Momeni, A., Wan, et al
2024; 28 (8): e18306
- **Modelling and targeting mechanical forces in organ fibrosis.** *Nature reviews bioengineering*
Mascharak, S., Guo, J. L., Griffin, M., Berry, C. E., Wan, D. C., Longaker, M. T.
2024; 2 (4): 305-323
- **Understanding wound healing in obesity.** *World journal of experimental medicine*
Cotterell, A., Griffin, M., Downer, M. A., Parker, J. B., Wan, D., Longaker, M. T.
2024; 14 (1): 86898
- **Successful topical treatment of human biofilms using multiple antibiotic elution from a collagen-rich hydrogel.** *Scientific reports*
Sharma, A. D., Jarman, E. H., Kuppalli, K., Murphy, M. J., Longaker, M. T., Gurtner, G., Fox, P. M.
2024; 14 (1): 5621
- **A tension offloading patch mitigates dermal fibrosis induced by pro-fibrotic skin injections.** *Research square*
Talbot, H. E., Griffin, M. F., Mascharak, S., Parker, J. B., Kuhnert, M. M., Guo, J. L., Diaz Deleon, N. M., Lavin, C., Abbas, D., Guardino, N., Morgan, A., Valencia, C., Cotterell, et al
2024
- **Single cell pharmacogenomic pipeline identifies novel opportunities in uterine leiomyosarcoma**
Daniel, S. K., Foster, D., Nosrati, F., Korah, M., Fallah, M., Sun, B. J., Loftus, T., Hu, D., Dua, M., Visser, B., Poultsides, G., Kirane, A., Longaker, et al
SPRINGER.2024: S42
- **IL-1RA and IL-12 Decrease Pancreatic Ductal Adenocarcinoma Tumor Mass and Prolong Survival by Inhibiting Mechanoresponsive Cafs**
Morgan, A., Griffin, M., Downer, M., Lindsay, H., Parker, J. B., Guo, J. L., Longaker, M. T., Norton, J. A.
LIPPINCOTT WILLIAMS & WILKINS.2023: S455-S456
- **Single-Cell RNA-Seq Analysis Reveals Similar Fibroblasts in Irradiated Skin of Humans, Mice, and Pigs**
Kameni, L., Berry, C., Griffin, M., Januszyk, M., Downer, M., Huber, J. L., Parker, J., Momeni, A., Longaker, M. T., Wan, D. C.

LIPPINCOTT WILLIAMS & WILKINS.2023: S389

- **Single-Cell RNA-Sequencing Identifies Modulator of Foreign Body Response with Use of Acellular Dermal Matrix in Breast Reconstruction**
Liang, N., Tevlin, R., Griffin, M., Parker, J. B., Henn, D., Navarro, R. S., Dung Nguyen, Momeni, A., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2023: S389-S390
- **Tissue Microenvironment a Key Driver in Fibrotic Capsules Formed During Foreign Body Response**
Parker, J. B., Griffin, M., Downer, M., Morgan, A., Guo, J. L., Liang, N., Berry, C., Diiorio, S., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2023: S393
- **Fat Grafting Treatment for Radiation-Induced Fibrosis Results in Downregulation of Inflammatory and Fibrotic Signaling Pathways**
Berry, C., Abbas, D., Kameni, L., Griffin, M., Downer, M., Parker, J. B., Guo, J. L., Januszyk, M., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2023: S381-S382
- **Investigating Dysmotility and the Expansion of Glial Cells and Interstitial Cells of Cajal in Crohn's Disease Strictures Using a Novel Surgical Mouse Model**
Kim, A., Bauer-rowe, K. E., Griffin, M., Foster, D., Longaker, M. T., Hyun, J. S.
LIPPINCOTT WILLIAMS & WILKINS.2023: S355
- **Analysis of Collagen Extracellular Matrix Ultrastructure in Mouse Long Bone Distraction Osteogenesis**
Diiorio, S., Guo, J. L., Griffin, M., Huber, J. L., Downer, M., Berry, C., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2023: S378-S379
- **Grafting of Human Foreskin onto Murine Dorsum Provides a Novel Model of Chronic Radiation-Induced Fibrosis**
Berry, C., Abbas, D., Griffin, M., Kameni, L., Downer, M., Parker, J. B., Liang, N., Dilorio, S., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2023: S398
- **Meta-Analysis of Single-Cell Transcriptomics Data of Cardiac Fibroblasts Reveals Temporal Heterogeneity of Cardiac Fibroblast Response after MI**
Lu, J., Januszyk, M., Griffin, M., Guo, J. L., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2023: S68
- **Novel Deferoxamine Cream Formulation Improves Perfusion, Elasticity, and Tissue Architecture in Chronically Irradiated Murine Skin Compared to Transdermal Patch**
Berry, C., Abbas, D., Kameni, L., Griffin, M., Downer, M., Parker, J. B., Liang, N., Guo, J. L., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2023: S386
- **Pioglitazone Decreases Adipogenesis Leading to Melanoma Skin Tumor Suppression**
Downer, M., Griffin, M., Morgan, A., Parker, J. B., Berry, C., Li, D. J., Liang, N., Kameni, L., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2023: S387-S388
- **Ferropotosis Levels Decrease in Response to Deferoxamine Treatment in Irradiated Murine Skin**
Berry, C., Kameni, L., Griffin, M., Downer, M., Parker, J. B., Guo, J. L., Liang, N., Januszyk, M., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2023: S382
- **Healing of Chronically Irradiated Excisional Wounds Improved by Topical Deferoxamine Treatment**
Berry, C., Griffin, M., Kameni, L., Abbas, D., Downer, M., Parker, J. B., Liang, N., Januszyk, M., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2023: S382-S383
- **Where There Is Fat, There Is Fibrosis: Elucidating the Mechanisms of Creeping Fat-Driven Stricture Formation**
Bauer-Rowe, K. E., Kim, A., Griffin, M., Liang, N., Foster, D., Guo, J. L., Norton, J. A., Longaker, M. T., Hyun, J. S.
LIPPINCOTT WILLIAMS & WILKINS.2023: S365-S366
- **A Review of Radiation-Induced Vascular Injury and Clinical Impact.** *Annals of plastic surgery*
Kameni, L. E., Januszyk, M., Berry, C. E., Downer, M. A., Parker, J. B., Morgan, A. G., Valencia, C., Griffin, M., Li, D. J., Liang, N. E., Momeni, A., Longaker, M. T., Wan, et al
2023
- **Optimized Nuclei Isolation from Fresh and Frozen Solid Tumor Specimens for Multiome Sequencing.** *Journal of visualized experiments : JoVE*
Foster, D. S., Griffin, M., Januszyk, M., Delitto, D., Norton, J. A., Longaker, M. T.

2023

- **Desmoplastic stromal signatures predict patient outcomes in pancreatic ductal adenocarcinoma.** *Cell reports. Medicine*
Mascharak, S., Guo, J. L., Foster, D. S., Khan, A., Davitt, M. F., Nguyen, A. T., Burcham, A. R., Chinta, M. S., Guardino, N. J., Griffin, M., Lopez, D. M., Miller, E., Januszyk, et al
2023: 101248
- **Allele-specific expression reveals genetic drivers of tissue regeneration in mice.** *Cell stem cell*
Mack, K. L., Talbott, H. E., Griffin, M. F., Parker, J. B., Guardino, N. J., Spielman, A. F., Davitt, M. F., Mascharak, S., Downer, M., Morgan, A., Valencia, C., Akras, D., Berger, et al
2023
- **Commentary on: Postoperative Mechanomodulation Decreases T-Junction Dehiscence After Reduction Mammoplasty: Early Scar Analysis From a Randomized Controlled Trial.** *Aesthetic surgery journal*
Berry, C. E., Longaker, M. T., Wan, D. C.
2023
- **Understanding Fibroblast Heterogeneity in Form and Function.** *Biomedicines*
Parker, J. B., Valencia, C., Akras, D., Dilorio, S. E., Griffin, M. F., Longaker, M. T., Wan, D. C.
2023; 11 (8)
- **Understanding the Role of Adipocytes and Fibroblasts in Cancer.** *Annals of plastic surgery*
Downer, M. A., Griffin, M. F., Morgan, A. G., Parker, J. B., Li, D. J., Berry, C. E., Liang, N. E., Kameni, L., Cotterell, A. C., Akras, D., Valencia, C., Longaker, M. T., Wan, et al
2023
- **Cas9-mediated knockout of Ndr2 enhances the regenerative potential of dendritic cells for wound healing.** *Nature communications*
Henn, D., Zhao, D., Sivaraj, D., Trotsyuk, A., Bonham, C. A., Fischer, K. S., Kehl, T., Fehlmann, T., Greco, A. H., Kussie, H. C., Moortgat Illouz, S. E., Padmanabhan, J., Barrera, et al
2023; 14 (1): 4729
- **Del1 Is a Growth Factor for Skeletal Progenitor Cells in the Fracture Callus.** *Biomolecules*
Sun, Y., Boyko, T., Marecic, O., Struck, D., Mann, R. K., Andrew, T. W., Lopez, M., Tong, X., Goodman, S. B., Yang, F., Longaker, M. T., Chan, C. K., Yang, et al
2023; 13 (8)
- **Medical Biology of Cancer-Associated Fibroblasts in Pancreatic Cancer.** *Biology*
Morgan, A., Griffin, M., Kameni, L., Wan, D. C., Longaker, M. T., Norton, J. A.
2023; 12 (8)
- **Call for Special Issue Papers: Artificial Intelligence in Tissue Engineering and Biology.** *Tissue engineering. Part A*
Guo, J. L., Januszyk, M., Longaker, M. T.
2023
- **Call for Special Issue Papers: Artificial Intelligence in Tissue Engineering and Biology.** *Tissue engineering. Part B, Reviews*
Guo, J. L., Januszyk, M., Longaker, M. T.
2023
- **Call for Special Issue Papers: Artificial Intelligence in Tissue Engineering and Biology.** *Tissue engineering. Part C, Methods*
Guo, J. L., Januszyk, M., Longaker, M. T.
2023
- **Thumb Osteoarthritis: Stem Cell Activation, Niche Augmentation and Tissue Regeneration**
Murphy, M., Takematsu, E., Koepke, L., Tong, X., Butler, G., Ambrosi, T., Hoover, M., Wang, Y., Zhao, L., Wong, J., Reid, A., Longaker, M., Chan, et al
MARY ANN LIEBERT, INC.2023
- **Thumb Osteoarthritis: Stem Cell Activation, Niche Augmentation and Tissue Regeneration**
Murphy, M., Takematsu, E., Koepke, L., Tong, X., Butler, G., Ambrosi, T., Hoover, M., Wang, Y., Zhao, L., Wong, J., Reid, A., Longaker, M., Chant, et al
MARY ANN LIEBERT, INC.2023

- **Reduction of Tendon Fibrosis Using Galectin-3 Inhibitors.** *Plastic and reconstructive surgery*
Spielman, A. F., Griffin, M. F., Titan, A. L., Guardino, N., Cotterell, A. C., Akras, D., Wan, D. C., Longaker, M. T.
2023
- **Purification and functional characterization of novel human skeletal stem cell lineages.** *Nature protocols*
Hoover, M. Y., Ambrosi, T. H., Steininger, H. M., Koepke, L. S., Wang, Y., Zhao, L., Murphy, M. P., Alam, A. A., Arouge, E. J., Butler, M. G., Takematsu, E., Stavitsky, S. P., Hu, et al
2023
- **Emerging frontiers in regenerative medicine.** *Science (New York, N.Y.)*
McKinley, K. L., Longaker, M. T., Naik, S.
2023; 380 (6647): 796-798
- **Circulating and extracellular vesicle-derived microRNAs as biomarkers in bone-related diseases.** *Frontiers in endocrinology*
Huber, J., Longaker, M. T., Quarto, N.
2023; 14: 1168898
- **Attenuating Chronic Fibrosis: Decreasing Foreign Body Response with Acellular Dermal Matrix.** *Tissue engineering. Part B, Reviews*
Liang, N. E., Griffin, M., Berry, C. E., Parker, J. B., Downer, M. A., Wan, D. C., Longaker, M. T.
2023
- **Craniofacial Dysmorphology and Impaired Suture Patterning in a Mouse Model of Frank-Ter-Haar Syndrome**
Huber, J., Menon, S., Lopez-Torres, M., Guo, J. L., Longaker, M. T., Quarto, N.
LIPPINCOTT WILLIAMS & WILKINS.2023: S89
- **Topical Vanadate Improves Excisional Wound Healing in Murine Model**
Lintel, H., Abbas, D., Mackay, D. J. D., Griffin, M., Spielman, A., Guardino, N., Churukian, A., Guo, J. L., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2023: S91
- **Lineage Tracing Reveals Adipocytes Are Responsible for Muscle Fibrosis Following Nerve Injury**
Spielman, A., Griffin, M., Cotterell, A. C., Erich, K., Guo, B. L., Abbas, D., Parker, J. B. L., Lintel, H., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2023: S92
- **Developing a Mouse Model to Evaluate Tibial Distraction Osteogenesis**
Dilorio, S., Tevlin, R., Shah, H. N., Salhotra, A., Griffin, M., Januszyk, M., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2023: S90
- **Radiation Injury Genetically Alters Fibroblast Subpopulations to Induce Fibrosis**
Abbas, D., Griffin, M., Guo, J. L., Lavin, C. V., Fahy, E. J., Guardino, N. J., Lintel, H., Januszyk, M., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2023: S94
- **Radiation Injury Therapy with Transdermal Deferoxamine Patch is Dose Dependent**
Abbas, D., Griffin, M., Lavin, C. V., Fahy, E. J., Lintel, H., Guardino, N. J., Guo, J. L., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2023: S91
- **Quantitative Analysis of the Collagen Matrix Ultrastructure in Mouse Hearts after Myocardial Infarction**
Lu, J., Griffin, M., Guo, J. L., Mascharak, S., Guardino, N. J., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2023: S13-S14
- **Overcoming Radiation Induced Oral Fibrosis through the Down Regulation of Wnt Signaling Using Bmp-7 Inhibitors**
Cotterell, A. C., Griffin, M., Spielman, A., Guardino, N., Lintel, H., Abbas, D., Guo, J. L., Parker, J., Wan, D., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2023: S90
- **The effects of mechanical force on fibroblast behavior in cutaneous injury.** *Frontiers in surgery*
Berry, C. E., Downer, M., Morgan, A. G., Griffin, M., Liang, N. E., Kameni, L., Laufey Parker, J. B., Guo, J., Longaker, M. T., Wan, D. C.
2023; 10: 1167067
- **Combination of Distinct Vascular Stem/Progenitor Cells for Neovascularization and Ischemic Rescue.** *Arteriosclerosis, thrombosis, and vascular biology*

- Zhao, L., Lee, A. S., Sasagawa, K., Sokol, J., Wang, Y., Ransom, R. C., Zhao, X., Ma, C., Steininger, H. M., Koepke, L. S., Borrelli, M. R., Brewer, R. E., Lee, et al
2023
- **Establishing a xenograft model with CD-1 nude mice to study human skin wound repair.** *Plastic and reconstructive surgery*
Abbas, D. B., Griffin, M., Fahy, E. J., Spielman, A. F., Guardino, N. J., Pu, A., Lintel, H., Lorenz, H. P., Longaker, M. T., Wan, D. C.
2023
 - **Mechanoresponsive Pancreatic Ductal Adenocarcinoma Cancer Associated Fibroblasts Shows an FAK-Dependent Subtype Divergent from Canonical Fibrotic TGF β -Pathway Dependence**
Foster, D., Delitto, D., Januszyk, M., Yost, K., Griffin, M., Guo, J., Guardino, N., Delitto, A., Chinta, M., Burcham, A., Nguyen, A., Bauer, K., Berry, et al
SPRINGER.2023: S30-S31
 - **Denervation during mandibular distraction osteogenesis results in impaired bone formation.** *Scientific reports*
Tevlin, R., Griffin, M., Chen, K., Januszyk, M., Guardino, N., Spielman, A., Walters, S., Gold, G. E., Chan, C. K., Gurtner, G. C., Wan, D. C., Longaker, M. T.
2023; 13 (1): 2097
 - **An Inexpensive 3D Printed Mouse Model of Successful, Complication-free Long Bone Distraction Osteogenesis.** *Plastic and reconstructive surgery. Global open*
Tevlin, R., Shah, H. N., Salhotra, A., Di Iorio, S. E., Griffin, M., Januszyk, M., Wan, D. C., Longaker, M. T.
2023; 11 (2): e4674
 - **Chelating the valley of death: Deferoxamine's path from bench to wound clinic.** *Frontiers in medicine*
Parker, J. B., Griffin, M. F., Downer, M. A., Akras, D., Berry, C. E., Cotterell, A. C., Gurtner, G. C., Longaker, M. T., Wan, D. C.
2023; 10: 1015711
 - **Bioprinted Hydrogels for Fibrosis and Wound Healing: Treatment and Modeling.** *Gels (Basel, Switzerland)*
Guo, J. L., Longaker, M. T.
2022; 9 (1)
 - **Multiplexed evaluation of mouse wound tissue using oligonucleotide barcoding with single-cell RNA sequencing.** *STAR protocols*
Januszyk, M., Griffin, M., Mascharak, S., Talbott, H. E., Chen, K., Henn, D., Spielman, A. F., Parker, J. B., Liang, N. E., Cotterell, A., Guardino, N., Foster, D. S., Wagh, et al
2022; 4 (1): 101946
 - **Topical vanadate improves tensile strength and alters collagen organization of excisional wounds in a mouse model.** *Wound repair and regeneration : official publication of the Wound Healing Society [and] the European Tissue Repair Society*
Lintel, H., Abbas, D. B., Mackay, D. J., Griffin, M., Lavin, C. V., Berry, C. E., Guardino, N. J., Guo, J. L., Momeni, A., Mackay, D. R., Longaker, M. T., Wan, D. C.
2022
 - **Macrophage inflammatory and regenerative response periodicity is programmed by cell cycle and chromatin state.** *Molecular cell*
Daniel, B., Belk, J. A., Meier, S. L., Chen, A. Y., Sandor, K., Czimmerer, Z., Varga, Z., Bene, K., Buquicchio, F. A., Qi, Y., Kitano, H., Wheeler, J. R., Foster, et al
2022
 - **Standardized Quantitative Sensory Testing to assess insufficient recovery of touch discrimination in free flap surgery in extremity reconstruction.** *Plastic and reconstructive surgery*
Huber, J., Scharberth, A., Maier, C., Wallner, C., Wagner, J. M., Dadras, M., Longaker, M. T., Lehnhardt, M., Behr, B.
2022
 - **Adipose-Derived Stromal Cell-based Therapies for Radiation-Induced Fibrosis.** *Advances in wound care*
Berry, C., Abbas, D. B., Lintel, H., Churukian, A., Griffin, M., Guo, J., Cotterell, A. C., Parker, J., Downer, M. A., Longaker, M. T., Wan, D. C.
2022
 - **Machine Learning-Based Desmoplastic Signatures Predict Patient Outcomes in Pancreatic Ductal Adenocarcinoma**
Guo, J. L., Mascharak, S., Foster, D. S., Guardino, N. J., Griffin, M., Miller, E., Raghavan, S., Longacre, T. A., Norton, J. A., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2022: S53-S54

- **Adipocyte Progenitor Cells Embedded in Collagen Gels Accelerate Bone Formation in a Murine Calvarial Critical Defect Model**
Cotterell, A. C., Griffin, M., Guardino, N., Spielman, A. F., Lintel, H., Abbas, D., Guo, J. L., Parker, J. B. L., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2022: S198-S199
- **Transdermal Deferoxamine Improves Acute Wound Healing in Chronic Irradiated Skin in a Mouse Model**
Lintel, H., Abbas, D., Lavin, C., Griffin, M., Guo, J. L., Guardino, N., Churukian, A., Chen, K., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2022: S211-S212
- **Fibroblast Subpopulations Are Modified with Fat Grafting to Treat Radiation-Induced Fibrosis**
Abbas, D. B., Guo, J. L., Griffin, M., Lintel, H., Guardino, N. J., Berry, C. E., Pu, A., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2022: S202-S203
- **Semantics Matter: Cheiloschisis Web-Based Information Differs from Cleft Lip**
Abbas, D. B., Lintel, H., Guardino, N. J., Griffin, M., Guo, J. L., Cotterell, A. C., Spielman, A. F., Parker, J. B. L., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2022: S209
- **Where There Is Fat There Is Fibrosis: Elucidating the Mechanisms of Creeping Fat-Driven Stricture Formation**
Bauer-Rowe, K. E., Kim, A., Griffin, M., Foster, D., Guardino, N., Guo, J. L., Talbott, H. E., Norton, J. A., Hyun, J. S., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2022: S59-S60
- **Multi-Modal Analysis of Cell Populations and Architectural States Mediating the Progression and Resolution of Pulmonary Fibrosis**
Guo, J. L., Griffin, M., Guardino, N. J., Abbas, D., Lu, J., Spielman, A., Lintel, H., Cotterell, A. C., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2022: S82
- **Engrailed-Positive Fibroblasts: The Primary Cell Type Present in Fibrotic Capsules During Foreign Body Response**
Parker, J. B., Griffin, M., Mascharak, S., Spielman, A., Cotterell, A. C., Abbas, D., Lintel, H., Januszkyk, M., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2022: S68
- **Reversal of Senescence in Skin-derived Fibroblasts Using Exogenous Mechanical Stimulation**
Guo, J. L., Griffin, M., Guardino, N. J., Chen, K., Cotterell, A. C., Abbas, D., Spielman, A., Lintel, H., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2022: S70
- **Multi-Modal Analysis of Cell Populations and Architectural States Mediating the Progression and Resolution of Pulmonary Fibrosis**
Guo, J. L., Griffin, M., Guardino, N. J., Abbas, D., Lu, J., Spielman, A., Lintel, H., Cotterell, A. C., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2022: S82
- **Engrailed-Positive Fibroblasts: The Primary Cell Type Present in Fibrotic Capsules During Foreign Body Response**
Parker, J. B., Griffin, M., Mascharak, S., Spielman, A., Cotterell, A. C., Abbas, D., Lintel, H., Januszkyk, M., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2022: S68
- **Reversal of Senescence in Skin-derived Fibroblasts Using Exogenous Mechanical Stimulation**
Guo, J. L., Griffin, M., Guardino, N. J., Chen, K., Cotterell, A. C., Abbas, D., Spielman, A., Lintel, H., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2022: S70
- **Sexually dimorphic estrogen sensing in skeletal stem cells controls skeletal regeneration. *Nature communications***
Andrew, T. W., Koepke, L. S., Wang, Y., Lopez, M., Steininger, H., Struck, D., Boyko, T., Ambrosi, T. H., Tong, X., Sun, Y., Gulati, G. S., Murphy, M. P., Marecic, et al
2022; 13 (1): 6491
- **Multiomic analysis reveals conservation of cancer-associated fibroblast phenotypes across species and tissue of origin. *Cancer cell***
Foster, D. S., Januszkyk, M., Delitto, D., Yost, K. E., Griffin, M., Guo, J., Guardino, N., Delitto, A. E., Chinta, M., Burcham, A. R., Nguyen, A. T., Bauer-Rowe, K. E., Titan, et al
2022
- **Characterization of Mechanoresponsive Inflammatory Cells during Wound Healing**
Chen, K., Griffin, M., Henn, D., Bonham, C. A., Fischer, K., Padmanabhan, J., Trotsyuk, A. A., Sivaraj, D., Leeolou, M., Kussie, H. C., Huskins, S., Steele, S., Perrault, et al
WILEY.2022: A22
- **Machine Learning in Tissue Engineering. *Tissue engineering. Part A***

- Guo, J. L., Januszyk, M., Longaker, M. T.
2022
- **Wound healing, fibroblast heterogeneity, and fibrosis.** *Cell stem cell*
Talbot, H. E., Mascharak, S., Griffin, M., Wan, D. C., Longaker, M. T.
2022; 29 (8): 1161-1180
 - **Exploring the Overlooked Roles and Mechanisms of Fibroblasts in the Foreign Body Response.** *Advances in wound care*
Parker, J., Griffin, M., Spielman, A. F., Wan, D. C., Longaker, M. T.
2022
 - **Transdermal deferoxamine administration improves excisional wound healing in chronically irradiated murine skin.** *Journal of translational medicine*
Lintel, H., Abbas, D. B., Lavin, C. V., Griffin, M., Guo, J. L., Guardino, N., Churukian, A., Gurtner, G. C., Momeni, A., Longaker, M. T., Wan, D. C.
2022; 20 (1): 274
 - **Profibrotic Signaling Pathways and Surface Markers Are Upregulated in Fibroblasts of Human Striae Distensae and in a Mouse Model System.** *Plastic and reconstructive surgery*
Borrelli, M. R., Griffin, M., Chen, K., Diaz, N. M., Adem, S., Mascharak, S., Shen, A. H., Ngaage, L. M., Lewis, N., Longaker, M. T., Gurtner, G., Wan, D. C., Lorenz, et al
2022
 - **Beyond the Scar: A Basic Science Review of Wound Remodeling.** *Advances in wound care*
Spielman, A. F., Griffin, M., Parker, J., Cotterell, A. C., Wan, D. C., Longaker, M. T.
2022
 - **Partial Tendon Injury at the Tendon-to-Bone Enthesis Activates Skeletal Stem Cells.** *Stem cells translational medicine*
Titan, A. L., Davitt, M., Foster, D., Salhotra, A., Menon, S., Chen, K., Fahy, E., Lopez, M., Jones, R. E., Baiu, I., Burcham, A., Januszyk, M., Gurtner, et al
2022
 - **Disrupting mechanotransduction decreases fibrosis and contracture in split-thickness skin grafting.** *Science translational medicine*
Chen, K., Henn, D., Januszyk, M., Barrera, J. A., Noishiki, C., Bonham, C. A., Griffin, M., Tevlin, R., Carlomagno, T., Shannon, T., Fehlmann, T., Trotsyuk, A. A., Padmanabhan, et al
2022; 14 (645): eabj9152
 - **Pullulan-Collagen Hydrogel Wound Dressing Promotes Dermal Remodeling and Wound Healing Compared to Commercially Available Collagen Dressings.** *Wound repair and regeneration : official publication of the Wound Healing Society [and] the European Tissue Repair Society*
Chen, K., Sivaraj, D., Davitt, M., Leeolou, M. C., Henn, D., Steele, S. R., Huskins, S. L., Trotsyuk, A. A., Kussie, H. C., Greco, A., Padmanabhan, J., Perrault, D. P., Zamaleeva, et al
2022
 - **REGENERATION OF CARTILAGE THROUGH ACTIVATION OF TISSUE RESIDENT SKELETAL STEM CELLS AND AUGMENTATION OF THE NICHE**
Murphy, M. P., Koepke, L. S., Lopez, M. T., Tong, X., Ambrosi, T. H., Gulati, G., Marecic, O., Wang, Y., Ransom, R. C., Hoover, M., Longaker, M. T., Chan, C. K. F.
MARY ANN LIEBERT, INC.2022: S375
 - **Fat Grafts Augmented With Vitamin E Improve Volume Retention and Radiation-Induced Fibrosis.** *Aesthetic surgery journal*
Abbas, D. B., Lavin, C. V., Fahy, E. J., Griffin, M., Guardino, N. J., Nazerali, R. S., Nguyen, D. H., Momeni, A., Longaker, M. T., Wan, D. C.
2022
 - **Characterization of Mechanoresponsive Inflammatory Cells during Wound Healing**
Chen, K., Griffin, M., Henn, D., Bonham, C. A., Fischer, K., Padmanabhan, J., Trotsyuk, A. A., Sivaraj, D., Leeolou, M. C., Kussie, H. C., Huskins, S. L., Steele, S., Perrault, et al
WILEY.2022: A5
 - **Overcoming Radiation Induced Oral Fibrosis Through The Down Regulation Of WNT Signaling Using BMP-7 Inhibitors**
Guardino, N., Griffin, M., Spielman, A. F., Abbas, D. B., King, M., Parker, J., Wan, D., Longaker, M. T.
WILEY.2022: A5

- **Adipocytes Transition To Pro-Fibrotic Fibroblasts And Contribute To Muscle Fibrosis Following Nerve Injury**
Spielman, A. F., Griffin, M., Guardino, N., desJardins-Park, H. E., Bauer-Rowe, K. E., Guo, J. L., Parker, J., Abbas, D. B., Wan, D., Longaker, M. T.
WILEY.2022: A3-A4
- **Vitamin E Treated Fat Grafts Demonstrate Improved Volume Retention And Decreased Radiation-Induced Fibrosis**
Abbas, D. B., Lavin, C. V., Fahy, E. J., Lintel, H., Griffin, M., Nazerali, R., Dung Nguyen, Momeni, A., Longaker, M. T., Wan, D.
WILEY.2022: A16
- **Mechanical Stimulation Reverses Pro-Fibrotic Transcriptional States in Senescent Fibroblasts**
Guo, J. L., Griffin, M., Guardino, N., Chen, K., Gurtner, G. C., Longaker, M. T.
WILEY.2022: A14-A16
- **Interactions Of Fibroblasts Versus Macrophages In An In Vitro Model Of Scar Formation And Wound Healing**
Huskins, S. L., Griffin, M., Steele, S., Thomas, B., Kussie, H. C., Sivaraj, D., Leeolou, M. C., Trotsyuk, A. A., Padmanabhan, J., Longaker, M. T., Gurtner, G. C., Chen, K.
WILEY.2022: A53-A54
- **Pullulan-Collagen Hydrogel Wound Dressing Promotes Dermal Remodeling and Healing in an Excisional Wound Model**
Leeolou, M. C., Sivaraj, D., Davitt, M., Henn, D., Steele, S., Huskins, S. L., Trotsyuk, A. A., Kussie, H. C., Greco, A., Perrault, D., Padmanabhan, J., Longaker, M. T., Chen, et al
WILEY.2022: A24
- **The Oral Mucosa Hosts Distinct Fibroblast Subpopulations to Facilitate Regenerative Wound Repair**
Griffin, M., Cook, J., Bofelli, D., Guardino, N., Spielman, A. F., Januszyk, M., Chen, K., Abbas, D. B., Zwick, R., Klein, O., Longaker, M. T.
WILEY.2022: A12-A13
- **Transdermal Deferoxamine Enhances Wound Healing In Chronically Irradiated Skin In Mice**
Lintel, H., Abbas, D. B., Lavin, C. V., Griffin, M., Guardino, N., Guo, J. L., Spielman, A. F., Gurtner, G. C., Longaker, M. T., Wan, D.
WILEY.2022: A29-A30
- **Characterization of Mechanoresponsive Inflammatory Cells during Wound Healing**
Chen, K., Griffin, M., Henn, D., Bonham, C. A., Fischer, K., Padmanabhan, J., Trotsyuk, A. A., Sivaraj, D., Leeolou, M. C., Kussie, H. C., Huskins, S. L., Steele, S., Perrault, et al
WILEY.2022: A31-A32
- **Mechanical Stimulation Reverses Pro-Fibrotic Transcriptional States in Senescent Fibroblasts**
Guo, J. L., Griffin, M., Guardino, N., Chen, K., Gurtner, G. C., Longaker, M. T.
WILEY.2022: A33-A34
- **Discussion: Beyond the Scalpel: Attracting and Nurturing Surgeon-Scientists in Plastic Surgery.** *Plastic and reconstructive surgery*
Liao, E. C., Longaker, M. T.
1800; 149 (2): 517-518
- **Tractable Human Skeletal Stem Cell Diversity Shapes Bone Development and Regeneration**
Ambrosi, T., Taheri, S., Sinha, R., Goodnough, L., Steininger, H., Weissman, I., Longaker, M., Sahoo, D., Chan, C.
WILEY.2022: 266-267
- **Multi-omic analysis reveals divergent molecular events in scarring and regenerative wound healing.** *Cell stem cell*
Mascharak, S., Talbott, H. E., Januszyk, M., Griffin, M., Chen, K., Davitt, M. F., Demeter, J., Henn, D., Bonham, C. A., Foster, D. S., Mooney, N., Cheng, R., Jackson, et al
1800
- **Harnessing a Feasible and Versatile ex vivo Calvarial Suture 2-D Culture System to Study Suture Biology.** *Frontiers in physiology*
Quarto, N., Menon, S., Griffin, M., Huber, J., Longaker, M. T.
2022; 13: 823661
- **So You Want to Be an Innovator?** *Plastic and reconstructive surgery*
Rohrich, R. J., Rosen, J., Longaker, M. T.
2021; 148 (5S): 55S-57S

- **Dermal Iron Chelation Reduces Indirect Radiation Injury**
Lavin, C. V., Fahy, E. J., Abbas, D. B., Griffin, M., Lee, D. K., Deleon, N., Guardino, N., Gurtner, G. C., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: E155
- **Dorsal Skin Fibrosis Secondary to Radiation Is Mitigated by Fat Grafting in Engrafted-1 Mice**
Abbas, D. B., Fahy, E. J., Griffin, M., Lavin, C. V., Deleon, N., King, M. E., Lee, D., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: E159-E160
- **Suprazygomatic Maxillary Nerve Blocking Reduces Postoperative Pain and Opioid Use Following Bimaxillary Osteotomy**
Lavin, C. V., Lee, D. K., Fahy, E. J., Abbas, D. B., Griffin, M., King, M. E., Momeni, A., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: E157
- **Optimizing Cutometer Mpa 580 Calculated Parameters to Determine In-vivo Elasticity of Human Skin**
Abbas, D. B., Lavin, C. V., Fahy, E., Griffin, M., Guardino, N., Lee, D., Gurtner, G. C., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: E162
- **Temperature Influence on Scanning Laser Doppler Flowmetry in Anesthetized Mice**
Fahy, E. J., Lavin, C. V., Abbas, D., Griffin, M., King, M. E., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: E157
- **Acellular Dermal Matrix Grafts Decrease Radiation-Induced Contracture and Dermal Thickening**
Deleon, N., Lavin, C. D., Abbas, D., Griffin, M., King, M. E., Fahy, E. J., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: E197
- **Adipose-Derived Stromal Cell (ASC) Subpopulation with Adipogenic Capabilities Increase Fat Graft Quality in Irradiated Tissue**
Deleon, N., Adem, S., Borrelli, M. R., Abbas, D. B., Lavin, C. V., Griffin, M., King, M. E., Lee, D., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: E197-E198
- **Cancer-Associated Fibroblasts Share Highly Conserved Phenotypes and Functions Across Tumor Types and Species**
Foster, D. S., Januszyk, M., Yost, K. E., Chinta, M., Titan, A. L., Wapnir, I. L., Gurtner, G. C., Chang, H. Y., Norton, J. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2021: S243-S244
- **Acellular Dermal Matrix Modulation of the Peri-Prosthetic Breast Microenvironment During Breast Reconstruction**
Tevlin, R., Januszyk, M., Griffin, M., Shefren, K., Chan, C. K. F., Momeni, A., Wan, D. C., Longaker, M. T.
ELSEVIER SCIENCE INC.2021: S195-S196
- **Fibroblast Sub-Populations Dynamically Change Composition to Heal Dorsal Skin Radiation Wounds in Wild-Type Mice**
Abbas, D. B., Griffin, M., Fahy, E. J., Lavin, C., Lee, D., Mascharak, S., King, M., Januszyk, M., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: S207-S208
- **Adipose Precursor Cell-Embedded Collagen Gels Attenuate Inflammation and Improve Tissue Perfusion in Cutaneous Wounds**
Fahy, E. J., Griffin, M., Abbas, D., Lavin, C. V., King, M. E., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: S196
- **Denervation During Mandibular Distraction Osteogenesis Results in Impaired Osteogenesis**
Tevlin, R., Januszyk, M., Griffin, M., Salhotra, A., Wan, D. C., Chan, C. K. F., Longaker, M. T.
ELSEVIER SCIENCE INC.2021: S196-S197
- **Topical Deferoxamine Patch Is Superior to Direct Injection for the Treatment of Radiation-Induced Skin Fibrosis**
Lavin, C. V., Abbas, D. B., Fahy, E. J., Lee, D. K., Griffin, M., Deleon, N., Mascharak, S., Gurtner, G. C., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: S202-S203
- **Effects of beta(3) Adrenergic Receptor Agonist Treatment in Murine Full Thickness Dorsal Cutaneous Wounds**
Fahy, E. J., Griffin, M., Abbas, D., Lavin, C. V., King, M. E., Lee, D., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: S197-S198
- **Where There Is Fat There Is Fibrosis: Elucidating the Mechanisms of Creeping Fat-Driven Stricture Formation**
Bauer-Rowe, K. E., Griffin, M., Foster, D., desJardins-Park, H. E., Mascharak, S., Norton, J. A., Hyun, J. S., Longaker, M. T.
ELSEVIER SCIENCE INC.2021: S65

- **Single-Cell RNA Sequencing Reveals Fibroblast Heterogeneity Across Mouse and Human Embryonic Origins**
Griffin, M., King, M. E. W., Guardino, N., Tevlin, R., Fahy, E. J., Mascharak, S., Abbas, D., Lavin, C. V., Wan, D., Longaker, M.
ELSEVIER SCIENCE INC.2021: S201-S202
- **Local Vitamin E Administration Improves Fat Graft Retention and Radiation-Induced Fibrosis in a Mouse Model**
Abbas, D. B., Lavin, C. V., Fahy, E. J., Griffin, M., King, M. E., Lee, D., Dung Nguyen, Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: S199
- **Where There Is Fat There Is Fibrosis: Elucidating the Mechanisms of Creeping Fat-Driven Stricture Formation**
Bauer-Rowe, K. E., Griffin, M., Foster, D., desJardins-Park, H. E., Mascharak, S., Norton, J. A., Hyun, J. S., Longaker, M. T.
ELSEVIER SCIENCE INC.2021: S65
- **Single-Cell RNA Sequencing Reveals Fibroblast Heterogeneity Across Mouse and Human Embryonic Origins**
Griffin, M., King, M. E. W., Guardino, N., Tevlin, R., Fahy, E. J., Mascharak, S., Abbas, D., Lavin, C. V., Wan, D., Longaker, M.
ELSEVIER SCIENCE INC.2021: S201-S202
- **Local Vitamin E Administration Improves Fat Graft Retention and Radiation-Induced Fibrosis in a Mouse Model**
Abbas, D. B., Lavin, C. V., Fahy, E. J., Griffin, M., King, M. E., Lee, D., Dung Nguyen, Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: S199
- **Integrated spatial multiomics reveals fibroblast fate during tissue repair.** *Proceedings of the National Academy of Sciences of the United States of America*
Foster, D. S., Januszzyk, M., Yost, K. E., Chinta, M. S., Gulati, G. S., Nguyen, A. T., Burcham, A. R., Salhotra, A., Ransom, R. C., Henn, D., Chen, K., Mascharak, S., Tolentino, et al
2021; 118 (41)
- **A comparative analysis of deferoxamine treatment modalities for dermal radiation-induced fibrosis.** *Journal of cellular and molecular medicine*
Lavin, C. V., Abbas, D. B., Fahy, E. J., Lee, D. K., Griffin, M., Diaz Deleon, N. M., Mascharak, S., Chen, K., Momeni, A., Gurtner, G. C., Longaker, M. T., Wan, D. C.
2021
- **Inhibiting Fibroblast Mechanotransduction Modulates Severity of Idiopathic Pulmonary Fibrosis.** *Advances in wound care*
Trotsky, A. A., Chen, K., Kwon, S. H., Ma, K. C., Henn, D., Mermin-Bunnell, A. M., Mittal, S., Padmanabhan, J., Larson, M. R., Steele, S. R., Sivaraj, D., Bonham, C. A., Noishiki, et al
2021
- **From Chronic Wounds to Scarring: The Growing Healthcare Burden of Under- and Over-healing Wounds.** *Advances in wound care*
desJardins-Park, H. E., Gurtner, G. C., Wan, D. C., Longaker, M. T.
2021
- **A Novel Xenograft Model Demonstrates Human Fibroblast Behavior During Skin Wound Repair and Fibrosis.** *Advances in wound care*
Borrelli, M., Shen, A. H., Griffin, M., Mascharak, S., Adem, S., Diaz Deleon, N. M., Ngaage, L. M., Longaker, M. T., Wan, D. C., Lorenz, H. P.
2021
- **Understanding Scarring in the Oral Mucosa.** *Advances in wound care*
Griffin, M., Fahy, E., King, M., Guardino, N., Chen, K., Abbas, D. B., Lavin, C., Diaz Deleon, N. M., Lorenz, H. P., Longaker, M. T., Wan, D. C.
2021
- **Standardizing dimensionless cutometer parameters to determine in-vivo elasticity of human skin.** *Advances in wound care*
Abbas, D. B., Lavin, C., Fahy, E., Griffin, M., Guardino, N., King, M., Chen, K., Lorenz, H. P., Gurtner, G. C., Longaker, M. T., Momeni, A., Wan, D. C.
2021
- **JUN promotes hypertrophic skin scarring via CD36 in preclinical in vitro and in vivo models.** *Science translational medicine*
Griffin, M. F., Borrelli, M. R., Garcia, J. T., Januszzyk, M., King, M., Lerbs, T., Cui, L., Moore, A. L., Shen, A. H., Mascharak, S., Diaz Deleon, N. M., Adem, S., Taylor, et al
2021; 13 (609): eabb3312
- **Modulating cellular responses to mechanical forces to promote wound regeneration.** *Advances in wound care*
Mascharak, S., desJardins-Park, H. E., Davitt, M. F., Guardino, N. J., Gurtner, G. C., Wan, D. C., Longaker, M. T.

2021

- **The role of Wnt signaling in skin fibrosis.** *Medicinal research reviews*
Griffin, M. F., Huber, J., Evan, F. J., Quarto, N., Longaker, M. T.
2021
- **Decellularized Adipose Matrices can Alleviate Radiation-induced Skin Fibrosis.** *Advances in wound care*
Adem, S., Abbas, D. B., Lavin, C., Fahy, E., Griffin, M., Diaz Deleon, N. M., Borrelli, M. R., Mascharak, S., Shen, A. H., Patel, R. A., Longaker, M. T., Nazerali, R. S., Wan, et al
2021
- **Skeletal stem and progenitor cells maintain cranial suture patency and prevent craniosynostosis.** *Nature communications*
Menon, S., Salhotra, A., Shailendra, S., Tevlin, R., Ransom, R. C., Januszyk, M., Chan, C. K., Behr, B., Wan, D. C., Longaker, M. T., Quarto, N.
2021; 12 (1): 4640
- **Distinct skeletal stem cell types orchestrate long bone skeletogenesis.** *eLife*
Ambrosi, T. H., Sinha, R., Steininger, H. M., Hoover, M. Y., Murphy, M. P., Koepke, L. S., Wang, Y., Lu, W., Morri, M., Neff, N. F., Weissman, I. L., Longaker, M. T., Chan, et al
2021; 10
- **Mechanical Strain Drives Myeloid Cell Differentiation Toward Pro-Inflammatory Subpopulations.** *Advances in wound care*
Chen, K., Henn, D., Sivaraj, D., Bonham, C. A., Griffin, M., Choi Kussie, H., Padmanabhan, J., Trotsyuk, A. A., Wan, D. C., Januszyk, M., Longaker, M. T., Gurtner, G. C.
2021
- **Deferoxamine to minimize fibrosis during radiation therapy.** *Advances in wound care*
Tevlin, R., Longaker, M. T., Wan, D.
2021
- **Disrupting Mechanotransduction Reduces Scar Formation And Restores Cellular Subpopulations In A Large Animal Model Of Skin Grafting**
Chen, K., Henn, D., Bonham, C. A., Noishiki, C., Barrera, J. A., Carlomagno, T. C., Shannon, T., Mays, C. J., Trotsyuk, A. A., Padmanabhan, J., Longaker, M. T., Januszyk, M., Gurtner, et al
WILEY.2021: A12-A13
- **Single Cell RNA Sequencing Reveals Fibroblast Heterogeneity Across Embryonic Origins Of Skin**
Griffin, M., King, M., Chen, K., desJardins-Park, H., Mascharak, S., Fahy, E., Guardino, N., Lavin, C., Abbas, D., Januszyk, M., Wan, D., Longaker, M.
WILEY.2021: A11-A12
- **Novel Genetic Analysis Of MRL Mice Reveals That Complement Inhibition By Factor H Reduces Scarring**
desJardins-Park, H. E., Mack, K. L., Guardino, N., Griffin, M., Davitt, M. F., Mascharak, S., Wan, D. C., Fraser, H. B., Longaker, M. T.
WILEY.2021: A13
- **Adipocytes In Dermal Wounds Undergo Conversion To Pro-fibrotic Fibroblasts That Contribute To Scar Formation**
Guardino, N., desJardins-Park, H. E., Griffin, M., Bauer-Rowe, K. E., King, M. E., King, M. E., Mascharak, S., Longaker, M. T.
WILEY.2021: A31
- **Transgenic Inhibition Of Engrailed-1 Results In Endogenous Postnatal Skin Regeneration**
Mascharak, S., desJardins-Park, H. E., Davitt, M. F., Chen, K., Griffin, M., Guardino, N., Lorenz, H., Wan, D. C., Gurtner, G. C., Longaker, M. T.
WILEY.2021: A14-A15
- **Wnt-active Engrailed-1 Lineage-negative Fibroblasts Mediate Postnatal Skin Regeneration**
Mascharak, S., desJardins-Park, H. E., Januszyk, M., Chen, K., Davitt, M. F., Demeter, J., Henn, D., Griffin, M., Bonham, C. A., Mooney, N., Cheng, R., Jackson, P. K., Wan, et al
WILEY.2021: A30
- **Preventing Engrailed-1 activation in fibroblasts yields wound regeneration without scarring.** *Science (New York, N.Y.)*
Mascharak, S., desJardins-Park, H. E., Davitt, M. F., Griffin, M., Borrelli, M. R., Moore, A. L., Chen, K., Duoto, B., Chinta, M., Foster, D. S., Shen, A. H., Januszyk, M., Kwon, et al
2021; 372 (6540)

- **Wounds Inhibit Tumor Growth In Vivo** *ANNALS OF SURGERY*
Hu, M. S., Maan, Z. N., Leavitt, T., Hong, W., Rennert, R. C., Marshall, C. D., Borrelli, M. R., Zhu, T. N., Esquivel, M., Zimmermann, A., McArdle, A., Chung, M. T., Foster, et al
2021; 273 (1): 173–80
- **An Evolutionary Conserved Signaling Network Between Mouse and Human Underlies the Differential Osteoskeletal Potential of Frontal and Parietal Calvarial Bones.** *Frontiers in physiology*
Menon, S., Huber, J., Duldulao, C., Longaker, M. T., Quarto, N.
2021; 12: 747091
- **Striae Distensae: Scars without Wounds.** *Plastic and reconstructive surgery*
Borrelli, M. R., Griffin, M., Ngaage, L. M., Longaker, M. T., Lorenz, H. P.
2021; 148 (1): 77-87
- **Aged skeletal stem cells generate an inflammatory degenerative niche.** *Nature*
Ambrosi, T. H., Mavecic, O., McArdle, A., Sinha, R., Gulati, G. S., Tong, X., Wang, Y., Steininger, H. M., Hoover, M. Y., Koepke, L. S., Murphy, M. P., Sokol, J., Seo, et al
2021
- **Disrupting biological sensors of force promotes tissue regeneration in large organisms.** *Nature communications*
Chen, K., Kwon, S. H., Henn, D., Kuehlmann, B. A., Tevlin, R., Bonham, C. A., Griffin, M., Trotsyuk, A. A., Borrelli, M. R., Noishiki, C., Padmanabhan, J., Barrera, J. A., Maan, et al
2021; 12 (1): 5256
- **Xenogeneic skin transplantation promotes angiogenesis and tissue regeneration through activated Trem2+ macrophages.** *Science advances*
Henn, D., Chen, K., Fehlmann, T., Trotsyuk, A. A., Sivaraj, D., Maan, Z. N., Bonham, C. A., Barrera, J. A., Mays, C. J., Greco, A. H., Moortgat Illouz, S. E., Lin, J. Q., Steele, et al
2021; 7 (49): eabi4528
- **Endogenous Mechanisms of Craniomaxillofacial Repair: Toward Novel Regenerative Therapies.** *Frontiers in oral health*
desJardins-Park, H. E., Mascharak, S., Longaker, M. T., Wan, D. C.
1800; 2: 676258
- **Angiogenic CD34+CD146+ adipose-derived stromal cells augment recovery of soft tissue after radiotherapy.** *Journal of tissue engineering and regenerative medicine*
Diaz Deleon, N. M., Adem, S., Lavin, C. V., Abbas, D. B., Griffin, M., King, M. E., Borrelli, M. R., Patel, R. A., Fahy, E. J., Lee, D., Shen, A. H., Momeni, A., Longaker, et al
2021
- **Epidermal-Derived Hedgehog Signaling Drives Mesenchymal Proliferation during Digit Tip Regeneration.** *Journal of clinical medicine*
Maan, Z. N., Rinkevich, Y., Barrera, J., Chen, K., Henn, D., Foster, D., Bonham, C. A., Padmanabhan, J., Sivaraj, D., Duscher, D., Hu, M., Yan, K., Januszzyk, et al
2021; 10 (18)
- **Discussion: Overcoming the Patent Gap: A Guide to Patenting for Plastic Surgeons.** *Plastic and reconstructive surgery*
Januszzyk, M., desJardins-Park, H. E., Gurtner, G. C., Longaker, M. T.
2021; 148 (4): 918-919
- **The Adrenergic System in Plastic and Reconstructive Surgery: Physiology and Clinical Considerations.** *Annals of plastic surgery*
Fahy, E. J., Griffin, M. n., Lavin, C. n., Abbas, D. n., Longaker, M. T., Wan, D. n.
2021
- **Proceed with Caution: Mouse Deep Digit Flexor Tendon Injury Model.** *Plastic and reconstructive surgery. Global open*
Titan, A. L., Fahy, E. n., Chen, K. n., Foster, D. S., Bennett-Kennett, R. n., Dauskardt, R. H., Gurtner, G. C., Chang, J. n., Fox, P. M., Longaker, M. T.
2021; 9 (1): e3359
- **Craniofacial and Long Bone Development in the Context of Distraction Osteogenesis.** *Plastic and reconstructive surgery*
Shah, H. N., Jones, R. E., Borrelli, M. R., Robertson, K. n., Salhotra, A. n., Wan, D. C., Longaker, M. T.
2021; 147 (1): 54e–65e

- **Exosomes - a tool for bone tissue engineering.** *Tissue engineering. Part B, Reviews*
Huber, J. L., Griffin, M., Longaker, M. T., Quarto, N.
2020
- **Prrx1 Fibroblasts Represent a Pro-fibrotic Lineage in the Mouse Ventral Dermis.** *Cell reports*
Leavitt, T., Hu, M. S., Borrelli, M. R., Januszyk, M., Garcia, J. T., Ransom, R. C., Mascharak, S., desJardins-Park, H. E., Litzemberger, U. M., Walmsley, G. G., Marshall, C. D., Moore, A. L., Duoto, et al
2020; 33 (6): 108356
- **Skeletal Stem Cells-A Paradigm Shift in the Field of Craniofacial Bone Tissue Engineering.** *Frontiers in dental medicine*
Tevlin, R., Longaker, M. T., Wan, D. C.
2020; 1
- **Ectoderm-Derived Wnt and Hedgehog Signaling Drive Digit Tip Regeneration**
Barrera, J., Maan, Z. N., Foster, D., Henn, D., Chen, K., Bonham, C., Januszyk, M., Longaker, M. T., Weissman, I., Gurtner, G. C.
ELSEVIER SCIENCE INC.2020: S186
- **Grafted Fat Depletes the Profibrotic Engrailed-1-Positive Fibroblast Subpopulation and Ameliorates Radiation-Induced Scalp Fibrosis**
Borrelli, M. R., Deleon, N., Adem, S., Abbas, D., Momeni, A., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2020: E186
- **Elucidating Molecular Drivers of Wound Regeneration in MRL Mice Via Novel Transcriptomic Analyses**
desJardins-Park, H. E., Mack, K. L., Davitt, M. F., Griffin, M., Mascharak, S., Fraser, H. B., Longaker, M. T.
ELSEVIER SCIENCE INC.2020: S225
- **Radiation-Induced Soft Tissue Atrophy Impaired by Enhancement of Fat Grafts with CD146+Subpopulation of Adipose-Derived Stromal Cells**
Deleon, N., Borrelli, M. R., Adem, S., Shen, A., Abbas, D., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2020: E186
- **Fat Grafting Depletes Profibrotic Prrx1-Positive Fibroblasts in Irradiated Skin and Mitigates Radiation-Induced Groin Contracture**
Borrelli, M. R., Adem, S., Deleon, N., Abbas, D., Chen, K., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2020: S225–S226
- **Transdermal Deferoxamine Reduces Radiation-Induced Damage in Porcine Skin**
Adem, S., Deleon, N., Chen, K., Borrelli, M. R., Shen, A. H., Noishiki, C., Patel, R. A., Gurtner, G. C., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2020: E46–E47
- **Transdermal Deferoxamine Treatment Mitigates Fibrosis in Irradiated Skin**
Shen, A. H., Borrelli, M. R., Deleon, N., Adem, S., Mascharak, S., Salhotra, A., Shah, H., Longaker, M. T., Gurtner, G. C., Wan, D. C.
ELSEVIER SCIENCE INC.2020: S235
- **Wounds Heal by Tissue-Resident Fibroblast Progenitors that Proliferate Polyclonally and Mechanoresponsively**
Foster, D. S., Chinta, M., Salhotra, A., Nguyen, A. T., Burcham, A., Mascharak, S., Januszyk, M., Gurtner, G. C., Wernig, G., Longaker, M. T.
ELSEVIER SCIENCE INC.2020: S236–S237
- **Peripheral Motor Neuron Activity Influences over Local Sarcoma Progression**
Davitt, M., Foster, D., Mascharak, S., desJardins-Park, H., Norton, J., Longaker, M. T.
ELSEVIER SCIENCE INC.2020: S230–S231
- **Transdermal Deferoxamine Reduces Radiation-Induced Damage in Porcine Skin**
Adem, S., Deleon, N., Chen, K., Borrelli, M. R., Shen, A. H., Noishiki, C., Patel, R. A., Gurtner, G. C., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2020: E46–E47
- **Transdermal Deferoxamine Treatment Mitigates Fibrosis in Irradiated Skin**
Shen, A. H., Borrelli, M. R., Deleon, N., Adem, S., Mascharak, S., Salhotra, A., Shah, H., Longaker, M. T., Gurtner, G. C., Wan, D. C.
ELSEVIER SCIENCE INC.2020: S235
- **Wounds Heal by Tissue-Resident Fibroblast Progenitors that Proliferate Polyclonally and Mechanoresponsively**
Foster, D. S., Chinta, M., Salhotra, A., Nguyen, A. T., Burcham, A., Mascharak, S., Januszyk, M., Gurtner, G. C., Wernig, G., Longaker, M. T.

ELSEVIER SCIENCE INC.2020: S236–S237

- **Peripheral Motor Neuron Activity Influences over Local Sarcoma Progression**
Davitt, M., Foster, D., Mascharak, S., desJardins-Park, H., Norton, J., Longaker, M. T.
ELSEVIER SCIENCE INC.2020: S230–S231
- **Mechanisms of bone development and repair.** *Nature reviews. Molecular cell biology*
Salhotra, A., Shah, H. N., Levi, B., Longaker, M. T.
2020
- **Characterization of Diabetic and Non-Diabetic Foot Ulcers Using Single-Cell RNA-Sequencing.** *Micromachines*
Januszyk, M., Chen, K., Henn, D., Foster, D. S., Borrelli, M. R., Bonham, C. A., Sivaraj, D., Wagh, D., Longaker, M. T., Wan, D. C., Gurtner, G. C.
2020; 11 (9)
- **Articular cartilage regeneration by activated skeletal stem cells.** *Nature medicine*
Murphy, M. P., Koepke, L. S., Lopez, M. T., Tong, X., Ambrosi, T. H., Gulati, G. S., Marecic, O., Wang, Y., Ransom, R. C., Hoover, M. Y., Steining, H., Zhao, L., Walkiewicz, et al
2020
- **Fibroblast Heterogeneity in Wound Healing: Hurdles to Clinical Translation.** *Trends in molecular medicine*
Mascharak, S., desJardins-Park, H. E., Longaker, M. T.
2020
- **Rewriting the Future: Promises and Limits of Germline Gene Editing in Craniofacial Surgery.** *The Journal of craniofacial surgery*
Davitt, M., Mascharak, S., desJardins-Park, H., Chinta, M., Wan, D. C., Longaker, M. T.
2020
- **Prophylactic treatment with transdermal deferoxamine mitigates radiation-induced skin fibrosis.** *Scientific reports*
Shen, A. H., Borrelli, M. R., Adem, S., Deleon, N. M., Patel, R. A., Mascharak, S., Yen, S. J., Sun, B. Y., Taylor, W. L., Januszyk, M., Nguyen, D. H., Momeni, A., Gurtner, et al
2020; 10 (1): 12346
- **Inhibiting mechanotransduction signaling changes fibroblast heterogeneity and promotes tissue regeneration in healing wounds**
Chen, K., Kwon, S., Henn, D., Kuehlmann, B. A., Bonham, C. A., Padmanabhan, J., Noishiki, C., Barrera, J., Longaker, M. T., Januszyk, M., Gurtner, G. C.
WILEY.2020: S12–S13
- **Radiation-induced skin fibrosis is reversed by transdermal delivery of deferoxamine**
Borrelli, M. R., Adem, S., Diaz, N., Mascharak, S., Sen, A., Januszyk, M., Nguyen, D., Momeni, A., Gurtner, G. C., Longaker, M. T., Wan, D. C.
WILEY.2020: S51–S52
- **Reactive oxygen species and apoptotic proteins in irradiated murine skin decrease with deferoxamine treatment**
Shen, A. H., Deleon, N., Adem, S., Borrelli, M. R., Salhotra, A., Shah, H., Gurtner, G. C., Longaker, M. T., Wan, D. C.
WILEY.2020: S32–S33
- **Activation of skeletal stems cells in response to long bone distraction osteogenesis**
Salhotra, A., Shah, H. N., Lopez, M. T., Wan, D. C., Longaker, M. T.
WILEY.2020: S25–S26
- **Stretch marks are abundant in CD26-positive human dermal fibroblasts and exhibit increased profibrotic mechanosensitive signaling**
Borrelli, M. R., Griffin, M., Ngaage, L. M., Mascharak, S., Lewis, N., Januszyk, M., Wan, D. C., Longaker, M. T., Lorenz, H. P.
WILEY.2020: S32
- **A novel murine distraction device investigating long bone regeneration**
Shah, H. N., Salhotra, A., Lopez, M. T., Wan, D. C., Longaker, M. T.
WILEY.2020: S16
- **Radiation-induced fibrosis in porcine skin improves with transdermal deferoxamine treatment**
Adem, S., Borrelli, M. R., Deleon, N., Shen, A. H., Chen, K., Noishiki, C., Gurtner, G. C., Longaker, M. T., Wan, D. C.
WILEY.2020: S31–S32

- **Harnessing novel gene expression analyses to identify drivers of regenerative ear wound healing in MRL mice**
desJardins-Park, H. E., Mack, K. L., Davitt, M. F., Griffin, M., Fraser, H. B., Longaker, M. T.
WILEY.2020: S25
- **Doxycycline Reduces Scar Thickness and Improves Collagen Architecture** *ANNALS OF SURGERY*
Moore, A. L., desJardins-Park, H. E., Duoto, B. A., Mascharak, S., Murphy, M. P., Irizarry, D. M., Foster, D. S., Jones, R. E., Barnes, L. A., Marshall, C. D., Ransom, R. C., Wernig, G., Longaker, et al
2020; 272 (1): 183–93
- **Inhibiting mechanotransduction signaling changes fibroblast heterogeneity and promotes tissue regeneration in healing wounds**
Chen, K., Kwon, S., Henn, D., Kuehlmann, B. A., Bonham, C. A., Padmanabhan, J., Noishiki, C., Barrera, J., Longaker, M. T., Januszzyk, M., Gurtner, G. C.
WILEY.2020: S13–S14
- **Fibroblast Heterogeneity in and Its Implications for Plastic and Reconstructive Surgery: A Basic Science Review** *PLASTIC AND RECONSTRUCTIVE SURGERY-GLOBAL OPEN*
desJardins-Park, H. E., Chinta, M. S., Foster, D. S., Borrelli, M. R., Shen, A. H., Wan, D. C., Longaker, M. T.
2020; 8 (6)
- **Fibroblast Heterogeneity in and Its Implications for Plastic and Reconstructive Surgery: A Basic Science Review.** *Plastic and reconstructive surgery. Global open*
desJardins-Park, H. E., Chinta, M. S., Foster, D. S., Borrelli, M. R., Shen, A. H., Wan, D. C., Longaker, M. T.
2020; 8 (6): e2927
- **Spn links RNA-mediated endogenous retrovirus silencing and X chromosome inactivation.** *eLife*
Carter, A. C., Xu, J., Nakamoto, M. Y., Wei, Y., Zarnegar, B. J., Shi, Q., Broughton, J. P., Ransom, R. C., Salhotra, A., Nagaraja, S. D., Li, R., Dou, D. R., Yost, et al
2020; 9
- **Pro-Fibrotic CD26-Positive Fibroblasts Are Present in Greater Abundance in Breast Capsule Tissue of Irradiated Breasts** *AESTHETIC SURGERY JOURNAL*
Borrelli, M. R., Irizarry, D., Patel, R. A., Dung Nguyen, Momeni, A., Longaker, M. T., Wan, D. C.
2020; 40 (4): 369–79
- **Pancreatic Cancer Associated Fibroblasts (CAF): Under-Explored Target for Pancreatic Cancer Treatment.** *Cancers*
Norton, J. n., Foster, D. n., Chinta, M. n., Titan, A. n., Longaker, M. n.
2020; 12 (5)
- **Understanding the impact of fibroblast heterogeneity on skin fibrosis.** *Disease models & mechanisms*
Griffin, M. F., desJardins-Park, H. E., Mascharak, S. n., Borrelli, M. R., Longaker, M. T.
2020; 13 (6)
- **CD34+CD146+ adipose-derived stromal cells enhance engraftment of transplanted fat.** *Stem cells translational medicine*
Borrelli, M. R., Patel, R. A., Blackshear, C. n., Vistnes, S. n., Diaz Deleon, N. M., Adem, S. n., Shen, A. H., Sokol, J. n., Momeni, A. n., Nguyen, D. n., Longaker, M. T., Wan, D. C.
2020
- **"Tissues in a Dish": A Review of Organoids in Plastic Surgery.** *Plastic and reconstructive surgery. Global open*
Chinta, M. S., desJardins-Park, H. E., Wan, D. C., Longaker, M. T.
2020; 8 (4): e2787
- **Tuning Macrophage Phenotype to Mitigate Skeletal Muscle Fibrosis.** *Journal of immunology (Baltimore, Md. : 1950)*
Stepien, D. M., Hwang, C. n., Marini, S. n., Pagani, C. A., Sorkin, M. n., Visser, N. D., Huber, A. K., Edwards, N. J., Loder, S. J., Vasquez, K. n., Aguilar, C. A., Kumar, R. n., Mascharak, et al
2020
- **Macrophage Subpopulation Dynamics Shift following Intravenous Infusion of Mesenchymal Stromal Cells.** *Molecular therapy : the journal of the American Society of Gene Therapy*
Kosaric, N. n., Srifa, W. n., Bonham, C. A., Kiwanuka, H. n., Chen, K. n., Kuehlmann, B. A., Maan, Z. N., Noishiki, C. n., Porteus, M. H., Longaker, M. T., Gurtner, G. C.
2020

- **Elucidating the fundamental fibrotic processes driving abdominal adhesion formation.** *Nature communications*
Foster, D. S., Marshall, C. D., Gulati, G. S., Chinta, M. S., Nguyen, A. n., Salhotra, A. n., Jones, R. E., Burcham, A. n., Lerbs, T. n., Cui, L. n., King, M. E., Titan, A. L., Ransom, et al
2020; 11 (1): 4061
- **Evaluation of Outcomes Following Surgery for Locally Advanced Pancreatic Neuroendocrine Tumors.** *JAMA network open*
Titan, A. L., Norton, J. A., Fisher, A. T., Foster, D. S., Harris, E. J., Worhunsky, D. J., Worth, P. J., Dua, M. M., Visser, B. C., Poultides, G. A., Longaker, M. T., Jensen, R. T.
2020; 3 (11): e2024318
- **The antifibrotic adipose-derived stromal cell: Grafted fat enriched with CD74+ adipose-derived stromal cells reduces chronic radiation-induced skin fibrosis.** *Stem cells translational medicine*
Borrelli, M. R., Patel, R. A., Adem, S. n., Diaz Deleon, N. M., Shen, A. H., Sokol, J. n., Yen, S. n., Chang, E. Y., Nazerali, R. n., Nguyen, D. n., Momeni, A. n., Wang, K. C., Longaker, et al
2020
- **Immobilization after injury alters extracellular matrix and stem cell fate.** *The Journal of clinical investigation*
Huber, A. K., Patel, N. n., Pagani, C. A., Marini, S. n., Padmanabhan, K. n., Matera, D. L., Said, M. n., Hwang, C. n., Hsu, G. C., Poli, A. A., Strong, A. L., Visser, N. D., Greenstein, et al
2020
- **Mechanisms of bone development and repair** *Nature reviews. Molecular cell biology*
Shah, H. N., Salhotra, A., Levi, B., Longaker, M. T.
2020
- **Fat Grafting Rescues Radiation-Induced Joint Contracture.** *Stem cells (Dayton, Ohio)*
Borrelli, M. R., Diaz Deleon, N. M., Adem, S., Patel, R. A., Mascharak, S., Shen, A. H., Irizarry, D., Nguyen, D., Momeni, A., Longaker, M. T., Wan, D. C.
2019
- **A fine balance in tendon healing.** *Nature cell biology*
Titan, A. L., Longaker, M. T.
2019
- **Macrophage Transplantation Fails to Improve Repair of Critical-Sized Calvarial Defects.** *The Journal of craniofacial surgery*
Borrelli, M. R., Hu, M. S., Hong, W. X., Oliver, J. D., Duscher, D., Longaker, M. T., Lorenz, H. P.
2019
- **Much-Needed Clarification and Guidance on Cell-Based Therapies for Musculoskeletal Disorders - Secondary Publication.** *Journal of orthopaedic research : official publication of the Orthopaedic Research Society*
Murphy, M. P., Wan, D. C., Longaker, M. T.
2019
- **JUN Drives Pathologic Scarring by Activating Key Fibroproliferative Pathways in Fibroblast Subpopulations**
Borrelli, M. R., Garcia, J. T., Moore, A. L., Patel, R. A., Mascharak, S., Duoto, B., Cui, L., Wan, D. C., Wernig, G., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: E215–E216
- **Fibroblast Proliferation in Wound Healing Is Clonal and Focal Adhesion Kinase-Dependent**
Chinta, M., Foster, D., Nguyen, A. T., Salhotra, A., Ransom, R. C., Jones, R., Titan, A. L., Marshall, C., Mascharak, S., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S223
- **CD74+Adipose-Derived Stromal Cells Have Anti-Fibrotic Effects in Grafted Fat in the Irradiated and Non-Irradiated Setting**
Borrelli, M. R., Patel, R. A., Sokol, J., Dung Nguyen, Momeni, A., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2019: E214
- **Regenerative Skin Healing Through Targeted Modulation of Engrailed1-Negative Fibroblasts**
Mascharak, S., desJardins-Park, H. E., Moore, A. L., Borrelli, M. R., Chinta, M., Foster, D., Lorenz, H., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S228
- **CD26(+) Fibroblasts Increase in Abundance in Breast Capsule Tissue Surrounding Irradiated Breasts**
Borrelli, M. R., Patel, R. A., Dung Nguyen, Momeni, A., Longaker, M. T., Wan, D. C.

ELSEVIER SCIENCE INC.2019: S220

- **Intrinsic Chromatin State and Extrinsic Wound-Related Cues Can Coordinate to Activate Fibroblasts for Scarring**
desJardins-Park, H. E., Moore, A. L., Litzenburger, U., Mascharak, S., Chinta, M., Ransom, R. C., Hu, M. S., Lorenz, H. P., Chang, H. Y., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S223–S224
- **Outcomes of Fat Grafting in Irradiated Tissue Are Improved by Pre-Treatment with Transdermal Deferoxamine**
Borrelli, M. R., Patel, R. A., Sokol, J., Momeni, A., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2019: E216
- **CD146(+) Adipose-Derived Stromal Cells Have Proangiogenic Qualities and Enhance the Regenerative Potential of Grafted Fat**
Borrelli, M. R., Patel, R. A., Blackshear, C., Vistnes, S., Deleon, N., Nazerali, R., Momeni, A., Dung Nguyen, Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2019: S284
- **Cancer-Associated Fibroblasts Persist but Show Decreased Fibroblast Activation Protein Expression after Neoadjuvant Chemotherapy in Human Pancreatic Ductal Adenocarcinoma**
Foster, D. S., Nguyen, A. T., Chinta, M., Titan, A. L., Salhotra, A., Jones, R., Mascharak, S., Norton, J., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S257–S258
- **Tumors Co-Opt Fibroblast Wound Healing Capacity**
Foster, D. S., Mascharak, S., Nguyen, A. T., Chinta, M., Salhotra, A., Titan, A. L., Jones, R., da Silva, O., Norton, J. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S231–S232
- **Endogenous Breast Cancer Shows Clonal Proliferation of Cancer Associated Fibroblasts at Primary Tumor and Metastatic Sites**
Foster, D. S., Chinta, M., Nguyen, A. T., Salhotra, A., Ransom, R., Jones, R., Titan, A. L., Mascharak, S., Norton, J. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S262
- **Tumors Co-Opt Fibroblast Wound Healing Capacity**
Foster, D. S., Mascharak, S., Nguyen, A. T., Chinta, M., Salhotra, A., Titan, A. L., Jones, R., da Silva, O., Norton, J. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S231–S232
- **Endogenous Breast Cancer Shows Clonal Proliferation of Cancer Associated Fibroblasts at Primary Tumor and Metastatic Sites**
Foster, D. S., Chinta, M., Nguyen, A. T., Salhotra, A., Ransom, R., Jones, R., Titan, A. L., Mascharak, S., Norton, J. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S262
- **A Revised Perspective of Skeletal Stem Cell Biology.** *Frontiers in cell and developmental biology*
Ambrosi, T. H., Longaker, M. T., Chan, C. K.
2019; 7: 189
- **A Revised Perspective of Skeletal Stem Cell Biology** *FRONTIERS IN CELL AND DEVELOPMENTAL BIOLOGY*
Ambrosi, T. H., Longaker, M. T., Chan, C. K. F.
2019; 7
- **Coordinating Tissue Regeneration Through Transforming Growth Factor-beta Activated Kinase 1 Inactivation and Reactivation** *STEM CELLS*
Hsieh, H., Agarwal, S., Cholok, D. J., Loder, S. J., Kaneko, K., Huber, A., Chung, M. T., Ranganathan, K., Habbouche, J., Li, J., Butts, J., Reimer, J., Kaura, et al
2019; 37 (6): 766–78
- **TOPICAL FOCAL ADHESION KINASE INHIBITOR PROMOTES SKIN REGENERATION AND SCAR PREVENTION IN A PRECLINICAL PORCINE MODEL**
Kwon, S., Kuehlmann, B., Dohi, T., Trotsyuk, A. A., Hu, M. S., Inayathullah, M., Rajadas, J., Longaker, M. T., Gurtner, G. C.
WILEY.2019: A11–A12
- **Pro-Fibrotic CD26-Positive Fibroblasts are Present in Greater Abundance in Breast Capsule Tissue of Irradiated Breasts.** *Aesthetic surgery journal*
Borrelli, M. R., Irizzary, D., Patel, R. A., Nguyen, D., Momeni, A., Longaker, M. T., Wan, D. C.
2019
- **Fat Grafting into Younger Recipients Improves Volume Retention in an Animal Model** *PLASTIC AND RECONSTRUCTIVE SURGERY*

- Chung, N. N., Ransom, R. C., Blackshear, C. P., Irizarry, D. M., Yen, D., Momeni, A., Lee, G. K., Nguyen, D. H., Longaker, M. T., Wan, D. C. 2019; 143 (4): 1067–75
- **The Spectrum of Scarring in Craniofacial Wound Repair.** *Frontiers in physiology*
desJardins-Park, H. E., Mascharak, S., Chinta, M. S., Wan, D. C., Longaker, M. T. 2019; 10: 322
 - **The Spectrum of Scarring in Craniofacial Wound Repair** *FRONTIERS IN PHYSIOLOGY*
desJardins-Park, H. E., Mascharak, S., Chinta, M. S., Wan, D. C., Longaker, M. T. 2019; 10
 - **Small molecule inhibition of dipeptidyl peptidase-4 enhances bone marrow progenitor cell function and angiogenesis in diabetic wounds** *TRANSLATIONAL RESEARCH*
Whittam, A. J., Maan, Z. N., Duscher, D., Barrera, J. A., Hu, M. S., Fischer, L. H., Khong, S., Kwon, S., Wong, V. W., Walmsley, G. G., Giacco, F., Januszyk, M., Brownlee, et al 2019; 205: 51–63
 - **Wounds Inhibit Tumor Growth In Vivo.** *Annals of surgery*
Hu, M. S., Maan, Z. N., Leavitt, T., Hong, W. X., Rennert, R. C., Marshall, C. D., Borrelli, M. R., Zhu, T. N., Esquivel, M., Zimmermann, A., McArdle, A., Chung, M. T., Foster, et al 2019
 - **Coordinating Tissue Regeneration through TGF-beta Activated Kinase 1 (TAK1) In-activation and Re-activation.** *Stem cells (Dayton, Ohio)*
Sung Hsieh, H. H., Agarwal, S., Cholok, D. J., Loder, S. J., Kaneko, K., Huber, A., Chung, M. T., Ranganathan, K., Habbouche, J., Li, J., Butts, J., Reimer, J., Kaura, et al 2019
 - **Fat Chance: The Rejuvenation of Irradiated Skin** *PLASTIC AND RECONSTRUCTIVE SURGERY-GLOBAL OPEN*
Borrelli, M. R., Patel, R. A., Sokol, J., Dung Nguyen, Momeni, A., Longaker, M. T., Wan, D. C. 2019; 7 (2): e2092
 - **Wound healing and fibrosis: current stem cell therapies.** *Transfusion*
Jones, R. E., Foster, D. S., Hu, M. S., Longaker, M. T. 2019; 59 (S1): 884-892
 - **Fat Grafting into Younger Recipients Improves Volume Retention in an Animal Model.** *Plastic and reconstructive surgery*
Chung, N. N., Ransom, R. C., Blackshear, C. P., Irizarry, D. M., Yen, D., Momeni, A., Lee, G. K., Nguyen, D. H., Longaker, M. T., Wan, D. C. 2019
 - **Tissue Engineering and Regenerative Medicine in Craniofacial Reconstruction and Facial Aesthetics.** *The Journal of craniofacial surgery*
Borrelli, M. R., Hu, M. S., Longaker, M. T., Lorenz, H. P. 2019
 - **Induction of the Fetal Scarless Phenotype in Adult Wounds: Impossible?** *REGENERATIVE MEDICINE AND PLASTIC SURGERY: SKIN AND SOFT TISSUE, BONE, CARTILAGE, MUSCLE, TENDON AND NERVES*
Hu, M. S., Borrelli, M. R., Longaker, M. T., Lorenz, H.
edited by Duscher, D., Shiffman, M. A. 2019: 3-17
 - **In Vitro and In Vivo Osteogenic Differentiation of Human Adipose-Derived Stromal Cells** *BONE MORPHOGENETIC PROTEINS*
Marshall, C. D., Brett, E. A., Moore, A. L., Wan, D. C., Longaker, M. T.
edited by Rogers, M. B. 2019; 1891: 9-18
 - **Skeletal Stem Cell-Schwann Cell Circuitry in Mandibular Repair.** *Cell reports*
Jones, R. E., Salhotra, A. n., Robertson, K. S., Ransom, R. C., Foster, D. S., Shah, H. N., Quarto, N. n., Wan, D. C., Longaker, M. T. 2019; 28 (11): 2757–66.e5
 - **Radiation-Induced Skin Fibrosis: Pathogenesis, Current Treatment Options, and Emerging Therapeutics.** *Annals of plastic surgery*
Borrelli, M. R., Shen, A. H., Lee, G. K., Momeni, A. n., Longaker, M. T., Wan, D. C.

2019; 83 (4S Suppl 1): S59–S64

- **Pressure Injury.** *Annals of surgery*
Hajhosseini, B. n., Longaker, M. T., Gurtner, G. C.
2019
- **Discussion: Adipose-Derived Stem Cells and Ceiling Culture-Derived Preadipocytes Cultured from Subcutaneous Fat Tissue Differ in Their Epigenetic Characteristics and Osteogenic Potential.** *Plastic and reconstructive surgery*
Borrelli, M. R., Longaker, M. T., Wan, D. C.
2019; 144 (3): 656–57
- **Flexor Tendon: Development, Healing, Adhesion Formation, and Contributing Growth Factors.** *Plastic and reconstructive surgery*
Titan, A. L., Foster, D. S., Chang, J. n., Longaker, M. T.
2019; 144 (4): 639e–647e
- **A Clearing Technique to Enhance Endogenous Fluorophores in Skin and Soft Tissue.** *Scientific reports*
Foster, D. S., Nguyen, A. T., Chinta, M. n., Salhotra, A. n., Jones, R. E., Mascharak, S. n., Titan, A. L., Ransom, R. C., da Silva, O. L., Foley, E. n., Briger, E. n., Longaker, M. T.
2019; 9 (1): 15791
- **Much-Needed Clarification and Guidance on Cell-Based Therapies for Musculoskeletal Disorders.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*
Murphy, M. P., Wan, D. C., Longaker, M. T.
2019
- **In Vitro and In Vivo Osteogenic Differentiation of Human Adipose-Derived Stromal Cells.** *Methods in molecular biology (Clifton, N.J.)*
Marshall, C. D., Brett, E. A., Moore, A. L., Wan, D. C., Longaker, M. T.
2019; 1891: 9–18
- **Heterogeneity in old fibroblasts is linked to variability in reprogramming and wound healing.** *Nature*
Mahmoudi, S. n., Mancini, E. n., Xu, L. n., Moore, A. n., Jahanbani, F. n., Hebestreit, K. n., Srinivasan, R. n., Li, X. n., Devarajan, K. n., Prélôt, L. n., Ang, C. E., Shibuya, Y. n., Benayoun, et al
2019; 574 (7779): 553–58
- **Doxycycline Reduces Scar Thickness and Improves Collagen Architecture.** *Annals of surgery*
Moore, A. L., desJardins-Park, H. E., Duoto, B. A., Mascharak, S., Murphy, M. P., Irizarry, D. M., Foster, D. S., Jones, R. E., Barnes, L. A., Marshall, C. D., Ransom, R. C., Wernig, G., Longaker, et al
2018
- **Mechanoresponsive stem cells acquire neural crest fate in jaw regeneration** *NATURE*
Ransom, R. C., Carter, A. C., Salhotra, A., Leavitt, T., Marecic, O., Murphy, M. P., Lopez, M. L., Wei, Y., Marshall, C. D., Shen, E. Z., Jones, R., Sharir, A., Klein, et al
2018; 563 (7732): 514+
- **Small molecule inhibition of dipeptidyl peptidase-4 enhances bone marrow progenitor cell function and angiogenesis in diabetic wounds.** *Translational research : the journal of laboratory and clinical medicine*
Whittam, A. J., Maan, Z. N., Duscher, D., Barrera, J. A., Hu, M. S., Fischer, L. H., Khong, S., Kwon, S. H., Wong, V. W., Walmsley, G. G., Giacco, F., Januszzyk, M., Brownlee, et al
2018
- **DEL1 protects against chondrocyte apoptosis through integrin binding.** *The Journal of surgical research*
Wang, Z., Boyko, T., Tran, M. C., LaRussa, M., Bhatia, N., Rashidi, V., Longaker, M. T., Yang, G. P.
2018; 231: 1–9
- **DEL1 protects against chondrocyte apoptosis through integrin binding** *JOURNAL OF SURGICAL RESEARCH*
Wang, Z., Boyko, T., Tran, M. C., LaRussa, M., Bhatia, N., Rashidi, V., Longaker, M. T., Yang, G. P.
2018; 231: 1–9
- **Discussion: CRISPR Craft: DNA Editing the Reconstructive Ladder** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Hu, M. S., Longaker, M. T., Wan, D. C.
2018; 142 (5): 1365–66

- **Discussion: CRISPR Craft: DNA Editing the Reconstructive Ladder.** *Plastic and reconstructive surgery*
Hu, M. S., Longaker, M. T., Wan, D. C.
2018; 142 (5): 1365-1366
- **Mechanoresponsive stem cells acquire neural crest fate in jaw regeneration.** *Nature*
Ransom, R. C., Carter, A. C., Salhotra, A., Leavitt, T., Marecic, O., Murphy, M. P., Lopez, M. L., Wei, Y., Marshall, C. D., Shen, E. Z., Jones, R. E., Sharir, A., Klein, et al
2018
- **Author Correction: Genetic dissection of clonal lineage relationships with hydroxytamoxifen liposomes.** *Nature communications*
Ransom, R. C., Foster, D. S., Salhotra, A., Jones, R. E., Marshall, C. D., Leavitt, T., Murphy, M. P., Moore, A. L., Blackshear, C. P., Brett, E. A., Wan, D. C., Longaker, M. T.
2018; 9 (1): 4411
- **Genetic dissection of clonal lineage relationships with hydroxytamoxifen liposomes (vol 9, 2971, 2018)** *NATURE COMMUNICATIONS*
Ransom, R. C., Foster, D. S., Salhotra, A., Jones, R., Marshall, C. D., Leavitt, T., Murphy, M. P., Moore, A. L., Blackshear, C. P., Brett, E. A., Wan, D. C., Longaker, M. T.
2018; 9
- **Twist1-Haploinsufficiency Selectively Enhances the Osteoskeletal Capacity of Mesoderm-Derived Parietal Bone Through Downregulation of Fgf23.** *Frontiers in physiology*
Quarto, N., Shailendra, S., Meyer, N. P., Menon, S., Renda, A., Longaker, M. T.
2018; 9: 1426
- **Twist1-Haploinsufficiency Selectively Enhances the Osteoskeletal Capacity of Mesoderm-Derived Parietal Bone Through Downregulation of Fgf23** *FRONTIERS IN PHYSIOLOGY*
Quarto, N., Shailendra, S., Meyer, N. P., Menon, S., Renda, A., Longaker, M. T.
2018; 9
- **Management of Chronic Wounds-2018.** *JAMA*
Jones, R. E., Foster, D. S., Longaker, M. T.
2018; 320 (14): 1481-1482
- **Iron Chelation with Transdermal Deferoxamine Accelerates Healing of Murine Sickle Cell Ulcers.** *Advances in wound care*
Rodrigues, M., Bonham, C. A., Minniti, C. P., Gupta, K., Longaker, M. T., Gurtner, G. C.
2018; 7 (10): 323-332
- **Nerve-Dependent Mandibular Regeneration by Skeletal Stem Cells in Fracture Repair**
Jones, R., Ransom, R. C., Salhotra, A., Foster, D. S., Wan, D. C., Longaker, M. T.
ELSEVIER SCIENCE INC.2018: S197
- **Mouse Model with cJUN Over-Expression Eludes to Deep Dermal Fibroblast Expansion and Immune Cell Recruitment as the Biologic Mechanism of Hypertrophic Scarring**
Moore, A. L., Duoto, B. A., Des Jardins-Park, H. E., Mascharak, S., Wernig, G., Longaker, M. T.
ELSEVIER SCIENCE INC.2018: S208
- **Translational Approach Using Trimodal Manipulation of Resident Skeletal Stem Cells for Articular Cartilage Repair**
Murphy, M. P., Koepke, L. S., Lopez, M., Ransom, R. C., Brewer, R. E., Borrelli, M. R., Marecic, O., Chan, C. K. F., Longaker, M. T.
ELSEVIER SCIENCE INC.2018: S213–S214
- **Automated Quantification of Vessel Structure: A Novel Method for Analysis of Angiogenesis in Wound Healing**
Jardins-Park, H., Mascharak, S., Moore, A. L., Duoto, B. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2018: E196
- **Acta2, Tnc, and Col24a1 Expression Are Associated with Abdominal Adhesion Formation**
Marshall, C. D., Foster, D. S., Ransom, R. C., Manjunath, A., Gulati, G., Hu, M. S., Moore, A. L., Barnes, L. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2018: E128
- **Reduced Scar Thickness Achieved by Topical Doxycycline Is Mediated by Specific Skin Fibroblast Populations and Not Immune Cell Infiltrate**

- Moore, A. L., Murphy, M. P., Irizarry, D. M., Des Jardins-Park, H. E., Duoto, B. A., Mascharak, S., Foster, D. S., Jones, R., Wernig, G., Longaker, M. T.
ELSEVIER SCIENCE INC.2018: S210–S211
- **Method of Isolating and Transplanting the Hematopoietic Stem Cell with Its Microenvironment Which Improves Functional Hematopoietic Engraftment**
Borrelli, M. R., Lopez, M., Gulati, G., Murphy, M. P., Sinha, R., Longaker, M. T., Weissman, I. L., Newman, A. M., Chan, C. K., Sokol, J.
ELSEVIER SCIENCE INC.2018: E224
 - **Clonal Analysis of Local Fibroblasts in Wound Healing and Tumor Stroma**
Foster, D. S., Ransom, R. C., Nguyen, A. T., Salhotra, A., Jones, R. E., Hu, M. S., Norton, J. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2018: S236
 - **Method of Isolating and Transplanting the Hematopoietic Stem Cell with Its Microenvironment Which Improves Functional Hematopoietic Engraftment**
Borrelli, M. R., Lopez, M., Gulati, G., Murphy, M. P., Sinha, R., Longaker, M. T., Weissman, I. L., Newman, A. M., Chan, C. K., Sokol, J.
ELSEVIER SCIENCE INC.2018: E224
 - **Clonal Analysis of Local Fibroblasts in Wound Healing and Tumor Stroma**
Foster, D. S., Ransom, R. C., Nguyen, A. T., Salhotra, A., Jones, R. E., Hu, M. S., Norton, J. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2018: S236
 - **Identification of the Human Skeletal Stem Cell. *Cell***
Chan, C. K., Gulati, G. S., Sinha, R., Tompkins, J. V., Lopez, M., Carter, A. C., Ransom, R. C., Reinisch, A., Wearda, T., Murphy, M., Brewer, R. E., Koepke, L. S., Marecic, et al
2018; 175 (1): 43
 - **Identification of the Human Skeletal Stem Cell *CELL***
Chan, C. K. F., Gulati, G. S., Sinha, R., Tompkins, J., Lopez, M., Carter, A. C., Ransom, R. C., Reinisch, A., Wearda, T., Murphy, M., Brewer, R. E., Koepke, L. S., Marecic, et al
2018; 175 (1): 43+
 - **The evolving relationship of wound healing and tumor stroma. *JCI insight***
Foster, D. S., Jones, R. E., Ransom, R. C., Longaker, M. T., Norton, J. A.
2018; 3 (18)
 - **Utilizing Confocal Microscopy to Characterize Human and Mouse Adipose Tissue. *Tissue engineering. Part C, Methods***
Blackshear, C., Borrelli, M. R., Shen, E. Z., Ransom, R. C., Chung, N. N., Vistnes, S., Irizarry, D., Nazerali, R., Momeni, A., Longaker, M. T., Wan, D. C.
2018
 - **Pathway Analysis of Gene Expression in Murine Fetal and Adult Wounds. *Advances in wound care***
Hu, M. S., Hong, W. X., Januszzyk, M., Walmsley, G. G., Luan, A., Maan, Z. N., Moshrefi, S., Tevlin, R., Wan, D. C., Gurtner, G. C., Longaker, M. T., Lorenz, H. P.
2018; 7 (8): 262-275
 - **Wound Healing Research at the Hagey Laboratory for Pediatric Regenerative Medicine at Stanford University School of Medicine. *Advances in wound care***
Hu, M. S., Longaker, M. T.
2018; 7 (8): 257-261
 - **Fibroblasts and wound healing: an update. *Regenerative medicine***
des Jardins-Park, H. E., Foster, D. S., Longaker, M. T.
2018
 - **Genetic dissection of clonal lineage relationships with hydroxytamoxifen liposomes. *Nature communications***
Ransom, R. C., Foster, D. S., Salhotra, A., Jones, R. E., Marshall, C. D., Leavitt, T., Murphy, M. P., Moore, A. L., Blackshear, C. P., Wan, D. C., Longaker, M. T.
2018; 9 (1): 2971
 - **Genetic dissection of clonal lineage relationships with hydroxytamoxifen liposomes *NATURE COMMUNICATIONS***

- Ransom, R. C., Foster, D. S., Salhotra, A., Jones, R., Marshall, C. D., Leavitt, T., Murphy, M. P., Moore, A. L., Blackshear, C. P., Wan, D. C., Longaker, M. T.
2018; 9
- **Fibroblasts and wound healing: an update** *REGENERATIVE MEDICINE*
desJardins-Park, H. E., Foster, D. S., Longaker, M. T.
2018; 13 (5): 491–95
 - **Iron Chelation with Transdermal Deferoxamine Accelerates Healing of Murine Sickle Cell Ulcers** *ADVANCES IN WOUND CARE*
Rodrigues, M., Bonham, C. A., Minniti, C. P., Gupta, K., Longaker, M. T., Gurtner, G. C.
2018
 - **Isolation and functional assessment of mouse skeletal stem cell lineage** *NATURE PROTOCOLS*
Gulati, G. S., Murphy, M. P., Marecic, O., Lopez, M., Brewer, R. E., Koepke, L. S., Manjunath, A., Ransom, R. C., Salhotra, A., Weissman, I. L., Longaker, M. T., Chan, C. K. F.
2018; 13 (6): 1294–1309
 - **Wound Healing Research at the Hagey Laboratory for Pediatric Regenerative Medicine at Stanford University School of Medicine** *ADVANCES IN WOUND CARE*
Hu, M. S., Longaker, M. T.
2018: 1–5
 - **A Fibroblast Is Not a Fibroblast Is Not a Fibroblast** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Hu, M. S., Moore, A. L., Longaker, M. T.
2018; 138 (4): 729–30
 - **Pathway Analysis of Gene Expression in Murine Fetal and Adult Wounds** *ADVANCES IN WOUND CARE*
Hu, M. S., Hong, W., Januszyk, M., Walmsley, G. G., Luan, A., Maan, Z. N., Moshrefi, S., Tevlin, R., Wan, D. C., Gurtner, G. C., Longaker, M. T., Lorenz, H.
2018
 - **Three-Dimensional Ultrasound Versus Computerized Tomography in Fat Graft Volumetric Analysis** *ANNALS OF PLASTIC SURGERY*
Blackshear, C., Rector, M., Chung, N., Irizarry, D., Flacco, J., Brett, E., Momeni, A., Lee, G., Longaker, M. T., Wan, D. C.
2018; 80 (3): 293–96
 - **beta-Catenin-Dependent Wnt Signaling: A Pathway in Acute Cutaneous Wounding** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Carre, A. L., Hu, M. S., James, A. W., Kawai, K., Galvez, M. G., Longaker, M. T., Lorenz, H.
2018; 141 (3): 669–78
 - **Deferoxamine Preconditioning of Irradiated Tissue Improves Perfusion and Fat Graft Retention** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Flacco, J., Chung, N., Blackshear, C. P., Irizarry, D., Momeni, A., Lee, G. K., Dung Nguyen, Gurtner, G. C., Longaker, M. T., Wan, D. C.
2018; 141 (3): 655–65
 - **Embryonic skin development and repair.** *Organogenesis*
Hu, M. S., Borrelli, M. R., Hong, W. X., Malhotra, S., Cheung, A. T., Ransom, R. C., Rennert, R. C., Morrison, S. D., Lorenz, H. P., Longaker, M. T.
2018: 1–18
 - **Review of the Current Management of Pressure Ulcers** *ADVANCES IN WOUND CARE*
Boyko, T. V., Longaker, M. T., Yang, G. P.
2018; 7 (2): 57–67
 - **Cutaneous Scarring: Basic Science, Current Treatments, and Future Directions** *ADVANCES IN WOUND CARE*
Marshall, C. D., Hu, M. S., Leavitt, T., Barnes, L. A., Lorenz, H., Longaker, M. T.
2018; 7 (2): 29–45
 - **Mechanical Forces in Cutaneous Wound Healing: Emerging Therapies to Minimize Scar Formation** *ADVANCES IN WOUND CARE*
Barnes, L. A., Marshall, C. D., Leavitt, T., Hu, M. S., Moore, A. L., Gonzalez, J. G., Longaker, M. T., Gurtner, G. C.
2018; 7 (2): 47–56

- **Mesenchymal Stromal Cells and Cutaneous Wound Healing: A Comprehensive Review of the Background, Role, and Therapeutic Potential** *STEM CELLS INTERNATIONAL*
Hu, M. S., Borrelli, M. R., Lorenz, H., Longaker, M. T., Wan, D. C.
2018: 6901983
- **Embryonic skin development and repair** *ORGANOGENESIS*
Hu, M. S., Borrelli, M. R., Hong, W., Malhotra, S., Cheung, A. T. M., Ransom, R. C., Rennert, R. C., Morrison, S. D., Lorenz, H., Longaker, M. T.
2018; 14 (1): 46–63
- **Skin development and regeneration, and the control of fibrosis** *REGENERATIVE ENGINEERING AND DEVELOPMENTAL BIOLOGY: PRINCIPLES AND APPLICATIONS*
Hu, M. S., Lorenz, H., Longaker, M. T.
edited by Gardiner, D. M.
2018: 543–53
- **Management of Chronic Wounds—2018** *JAMA*
Jones, R., Foster, D. S., Longaker, M. T.
2018
- **Wound Healing and Fibrosis: Current Stem Cell Therapies** *Transfusion*
Jones, R., Foster, D. S., Hu, M., Longaker, M. T.
2018
- **The evolving relationship of wound healing and tumor stroma** *JCI Insight*
Foster, D. S., Jones, R., Ransom, R., Longaker, M. T., Norton, J. A.
2018
- **Scarless wound healing: Transitioning from fetal research to regenerative healing.** *Wiley interdisciplinary reviews. Developmental biology*
Moore, A. L., Marshall, C. D., Barnes, L. A., Murphy, M. P., Ransom, R. C., Longaker, M. T.
2018; 7 (2)
- **Pathway Analysis of Gene Expression of E14 Versus E18 Fetal Fibroblasts** *ADVANCES IN WOUND CARE*
Hu, M. S., Borrelli, M. R., Januszyk, M., Luan, A., Malhotra, S., Walmsley, G. G., Hong, W., Tevlin, R., Gurtner, G. C., Longaker, M. T., Lorenz, H. P.
2018; 7 (1): 1–10
- **An Improved Humanized Mouse Model for Excisional Wound Healing Using Double Transgenic Mice** *ADVANCES IN WOUND CARE*
Hu, M. S., Cheng, J., Borrelli, M. R., Leavitt, T., Walmsley, G. G., Zielins, E. R., Hong, W., Cheung, A. T. M., Duscher, D., Maan, Z. N., Irizarry, D. M., Stephan, B., Parsa, et al
2018; 7 (1): 11–17
- **Transdermal Deferoxamine Significantly Enhances Healing of Sickle Cell Ulcers**
Rodrigues, M., Bonham, C. A., Inayathullah, M., Rajadas, J., Yang, G. P., Caterina, M. P., Gupta, K., Longaker, M. T., Gurtner, G. C.
WILEY.2018: A11
- **Inhibition of IRE1 results in decreased scar formation.** *Wound repair and regeneration : official publication of the Wound Healing Society [and] the European Tissue Repair Society*
Boyko, T. V., Bam, R. n., Jiang, D. n., Wang, Z. n., Bhatia, N. n., Tran, M. C., Longaker, M. T., Koong, A. C., Yang, G. P.
2018
- **PHD-2 Suppression in Mesenchymal Stromal Cells Enhances Wound Healing** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Ko, S., Nauta, A. C., Morrison, S. D., Hu, M. S., Zimmermann, A. S., Chung, M. T., Glotzbach, J. P., Wong, V. W., Walmsley, G. G., Lorenz, H., Chan, D. A., Gurtner, G. C., Giaccia, et al
2018; 141 (1): 55E–67E
- **Prrx1 Labels the Fibrogenic Fibroblast in the Ventral Dermis**
Hu, M., Leavitt, T., Garcia, J., Ransom, R., Litzenburger, U., Walmsley, G., Marshall, C., Moore, A., Mascharak, S., Chan, C., Wan, D., Lorenz, P., Chang, et al
WILEY.2018: A4
- **Noncoding RNAs in Wound Healing: A New and Vast Frontier** *ADVANCES IN WOUND CARE*
Luan, A., Hu, M. S., Leavitt, T., Brett, E. A., Wang, K. C., Longaker, M. T., Wan, D. C.

2018; 7 (1): 19–27

- **Ultrasound-assisted liposuction provides a source for functional adipose-derived stromal cells** *CYTOTHERAPY*
Duscher, D., Maan, Z. N., Luan, A., Aitzetmueller, M. M., Brett, E. A., Atashroo, D., Whittam, A. J., Hu, M. S., Walmsley, G. G., Houschyar, K. S., Schilling, A. F., Machens, H., Gurtner, et al
2017; 19 (12): 1491–1500
- **Cell-Based Soft Tissue Reconstruction in a Hydrogel Scaffold** *ANNALS OF PLASTIC SURGERY*
Blackshear, C. P., Flacco, J. S., Vistnes, S. M., Chung, N. N., Irizarry, D., Brett, E. A., Yen, D. J., Momeni, A., Longaker, M. T., Wan, D. C.
2017; 79 (6): 618–22
- **A MUSE for Skin Regeneration** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Hu, M. S., Longaker, M. T.
2017; 137 (12): 2471–72
- **Calvarial Defects: Cell-Based Reconstructive Strategies in the Murine Model** *TISSUE ENGINEERING PART C-METHODS*
Murphy, M. P., Quarto, N., Longaker, M. T., Wan, D. C.
2017; 23 (12): 971–81
- **Epigenetic Analysis of Scar Forming Fibroblasts Reveals Key Differences in Genes Associated with Fibrosis**
Moore, A. L., Marshall, C. D., Litzemberger, U., Barnes, L., Ransom, R., Hu, M., Leavitt, T., Chang, H. Y., Longaker, M. T.
ELSEVIER SCIENCE INC.2017: S200–S201
- **Fat Graft Retention Decreases with Recipient Age**
Montenegro, C. F., Flacco, J., Chung, N. N., Irizarry, D. M., Brett, E. A., Blackshear, C. P., Nguyen, D., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2017: E144–E145
- **Shifting Skeletal Stem Cell Dynamics Underlie Skeletal Aging in Mice**
Marecic, O., McArdle, A., Seo, E., Tevlin, R., Gulati, G. S., Murphy, M. P., Lopez, M., Weissman, I. L., Chan, C. K., Longaker, M. T.
ELSEVIER SCIENCE INC.2017: S166
- **Cellular Mechanisms Underlying Regeneration in Mandibular Distraction Osteogenesis**
Ransom, R. C., Leavitt, T., Murphy, M. P., Marecic, O., Lopez, M., Marshall, C. D., Barnes, L. A., Wan, D. C., Chan, C. K., Longaker, M. T.
ELSEVIER SCIENCE INC.2017: E143–E144
- **Activation of the Mouse Resident Skeletal Stem Cell for Articular Cartilage Repair**
Murphy, M. P., Lopez, M., Ransom, R. C., Marecic, O., Gulati, G. S., Chan, C. K., Longaker, M. T.
ELSEVIER SCIENCE INC.2017: S160
- **Rescue of Del1 Knock Out Phenotype in Bone Fracture Healing in Mice**
Boyko, T. V., Marecic, O., Lopez, M., Seo, E., Tong, X., Chan, C., Longaker, M. T., Yang, G. P.
ELSEVIER SCIENCE INC.2017: S89–S90
- **Doxycycline Improves Wound Healing via Nonantibiotic Associated Mechanisms**
Moore, A. L., Murphy, M. P., Irizarry, D. M., Brett, E. A., Wernig, G., Longaker, M. T.
ELSEVIER SCIENCE INC.2017: S162–S163
- **Invited Commentary on: Role of Notch Signaling in the Physiological Patterning of Posterofrontal and Sagittal Cranial Sutures** *JOURNAL OF CRANIOFACIAL SURGERY*
Quarto, N., Longaker, M. T.
2017; 28 (6): 1626–27
- **Strategic Targeting of Multiple BMP Receptors Prevents Trauma-Induced Heterotopic Ossification** *MOLECULAR THERAPY*
Agarwal, S., Loder, S. J., Breuler, C., Li, J., Cholok, D., Brownley, C., Peterson, J., Hsieh, H. H., Drake, J., Ranganathan, K., Niknafs, Y. S., Xiao, W., Li, et al
2017; 25 (8): 1974–87
- **Isotretinoin and Timing of Procedural Interventions A Systematic Review With Consensus Recommendations** *JAMA DERMATOLOGY*
Spring, L. K., Krakowski, A. C., Alam, M., Bhatia, A., Brauer, J., Cohen, J., Del Rosso, J. Q., Diaz, L., Dover, J., Eichenfield, L. F., Gurtner, G. C., Hanke, C., Jahnke, et al
2017; 153 (8): 802–9

- **Discussion: Combining Smoothed Agonist and NEL-Like Protein-1 Enhances Bone Healing.** *Plastic and reconstructive surgery*
Ransom, R. C., Longaker, M. T.
2017; 139 (6): 1397-1398
- **Dynamic Rheology for the Prediction of Surgical Outcomes in Autologous Fat Grafting.** *Plastic and reconstructive surgery*
Luan, A., Zielins, E. R., Wearda, T., Atashroo, D. A., Blackshear, C. P., Raphel, J., Brett, E. A., Flacco, J., Alyono, M. C., Momeni, A., Heilshorn, S., Longaker, M. T., Wan, et al
2017
- **Protein-Nanoparticle Hydrogels That Self-assemble in Response to Peptide-Based Molecular Recognition.** *ACS biomaterials science & engineering*
Parisi-Amon, A., Lo, D. D., Montoro, D. T., Dewi, R. E., Longaker, M. T., Heilshorn, S. C.
2017; 3 (5): 750-756
- **Isolation of CD248-expressing stromal vascular fraction for targeted improvement of wound healing.** *Wound repair and regeneration*
Brett, E., Zielins, E. R., Chin, M., Januszyk, M., Blackshear, C. P., Findlay, M., Momeni, A., Gurtner, G. C., Longaker, M. T., Wan, D. C.
2017
- **Protein-Nanoparticle Hydrogels That Self-assemble in Response to Peptide-Based Molecular Recognition** *ACS BIOMATERIALS SCIENCE & ENGINEERING*
Parisi-Amon, A., Lo, D. D., Montoro, D. T., Dew, R. E., Longaker, M. T., Heilshorn, S. C.
2017; 3 (5): 750-756
- **A Review of Cell-Based Strategies for Soft Tissue Reconstruction.** *Tissue engineering. Part B, Reviews*
Brett, E., Chung, N., Leavitt, W. T., Momeni, A., Longaker, M. T., Wan, D. C.
2017
- **Purified Adipose-Derived Stromal Cells Provide Superior Fat Graft Retention Compared with Unenriched Stromal Vascular Fraction** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Zielins, E. R., Brett, E. A., Blackshear, C. P., Flacco, J., Ransom, R. C., Longaker, M. T., Wan, D. C.
2017; 139 (4): 911-14
- **Discussion: Regeneration of Vascularized Corticocancellous Bone and Diploic Space Using Muscle-Derived Stem Cells: A Translational Biologic Alternative for Healing Critical Bone Defects** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Murphy, M. P., Chan, C. K., Longaker, M. T.
2017; 139 (4): 906-907
- **Discussion: Towards Microsurgical Correction of Cleft Lip Ex Utero via Restoration of Craniofacial Developmental Programs.** *Plastic and reconstructive surgery*
Ransom, R. C., Lorenz, H. P., Longaker, M. T.
2017
- **Comparison of the Hydroxylase Inhibitor Dimethyloxalyglycine and the Iron Chelator Deferoxamine in Diabetic and Aged Wound Healing.** *Plastic and reconstructive surgery*
Duscher, D., Januszyk, M., Maan, Z. N., Whittam, A. J., Hu, M. S., Walmsley, G. G., Dong, Y., Khong, S. M., Longaker, M. T., Gurtner, G. C.
2017; 139 (3): 695e-706e
- **Minimizing Skin Scarring through Biomaterial Design** *JOURNAL OF FUNCTIONAL BIOMATERIALS*
Moore, A. L., Marshall, C. D., Longaker, M. T.
2017; 8 (1)
- **Laboratory Models for the Study of Normal and Pathologic Wound Healing.** *Plastic and reconstructive surgery*
Boyko, T. V., Longaker, M. T., Yang, G. P.
2017; 139 (3): 654-662
- **Fibroblasts become fat to reduce scarring.** *Science*
Chan, C. K., Longaker, M. T.
2017; 355 (6326): 693-694
- **Excess Dermal Tissue Remodeling In Vivo: Does It Settle?** *Plastic and reconstructive surgery*
Leavitt, T., Hu, M. S., Zielins, E. R., Barnes, L. A., Marshall, C. D., Wan, D. C., Lorenz, H. P., Gurtner, G. C., Longaker, M. T.

2017; 139 (2): 415e-424e

- **Rapid Isolation of BMPR-IB plus Adipose-Derived Stromal Cells for Use in a Calvarial Defect Healing Model** *JOVE-JOURNAL OF VISUALIZED EXPERIMENTS*
Marshall, C. D., Zielins, E. R., Brett, E. A., Blackshear, C. P., Hu, M. S., Leavitt, T., Barnes, L. A., Lorenz, H. P., Longaker, M. T., Wan, D. C.
2017
- **Rapid Isolation of BMPR-IB plus Adipose-Derived Stromal Cells for Use in a Calvarial Defect Healing Model** *JOVE-JOURNAL OF VISUALIZED EXPERIMENTS*
Marshall, C. D., Zielins, E. R., Brett, E. A., Blackshear, C. P., Hu, M. S., Leavitt, T., Barnes, L. A., Lorenz, H. P., Longaker, M. T., Wan, D. C.
2017
- **Sanativo Wound Healing Product Does Not Accelerate Reepithelialization in a Mouse Cutaneous Wound Healing Model.** *Plastic and reconstructive surgery*
Marshall, C. D., Hu, M. S., Leavitt, T., Barnes, L. A., Cheung, A. T., Malhotra, S., Lorenz, H. P., Delp, S. L., Quake, S. R., Longaker, M. T.
2017; 139 (2): 343-352
- **Detection of Stem Cell Transplant Rejection with Ferumoxylol MR Imaging: Correlation of MR Imaging Findings with Those at Intravital Microscopy.** *Radiology*
Daldrup-Link, H. E., Chan, C., Lenkov, O., Taghavigarmestani, S., Nazekati, T., Nejadnik, H., Chapelin, F., Khurana, A., Tong, X., Yang, F., Pisani, L., Longaker, M., Gambhir, et al
2017: 161139-?
- **Minimizing Skin Scarring through Biomaterial Design.** *Journal of functional biomaterials*
Moore, A. L., Marshall, C. D., Longaker, M. T.
2017; 8 (1)
- **Pharmacological rescue of diabetic skeletal stem cell niches.** *Science translational medicine*
Tevlin, R., Seo, E. Y., Marecic, O., McArdle, A., Tong, X., Zimdahl, B., Malkovskiy, A., Sinha, R., Gulati, G., Li, X., Wearda, T., Morganti, R., Lopez, et al
2017; 9 (372)
- **Pharmacological rescue of diabetic skeletal stem cell niches** *SCIENCE TRANSLATIONAL MEDICINE*
Tevlin, R., Seo, E., Marecic, O., McArdle, A., Tong, X., Zimdahl, B., Malkovskiy, A., Sinha, R., Gulati, G., Li, X., Wearda, T., Morganti, R., Lopez, et al
2017; 9 (372)
- **Hyaluronic acid synthesis is required for zebrafish tail fin regeneration.** *PloS one*
Ouyang, X., Panetta, N. J., Talbott, M. D., Payumo, A. Y., Halluin, C., Longaker, M. T., Chen, J. K.
2017; 12 (2)
- **The Role of Skeletal Stem Cells in the Reconstruction of Bone Defects.** *The Journal of craniofacial surgery*
Murphy, M. P., Irizarry, D. n., Lopez, M. n., Moore, A. L., Ransom, R. C., Longaker, M. T., Wan, D. C., Chan, C. K.
2017; 28 (5): 1136–41
- **Human Adipose-Derived Stromal Cell Isolation Methods and Use in Osteogenic and Adipogenic In Vivo Applications.** *Current protocols in stem cell biology*
Brett, E., Tevlin, R., McArdle, A., Seo, E. Y., Chan, C. K., Wan, D. C., Longaker, M. T.
2017; 43
- **Isolation of Live Fibroblasts by Fluorescence-Activated Cell Sorting** *FIBROSIS: METHODS AND PROTOCOLS*
Leavitt, T., Hu, M. S., Longaker, M. T.
edited by Rittie, L.
2017; 1627: 205–12
- **Delivery of monocyte lineage cells in a biomimetic scaffold enhances tissue repair.** *JCI insight*
Hu, M. S., Walmsley, G. G., Barnes, L. A., Weiskopf, K. n., Rennert, R. C., Duscher, D. n., Januszyk, M. n., Maan, Z. N., Hong, W. X., Cheung, A. T., Leavitt, T. n., Marshall, C. D., Ransom, et al
2017; 2 (19)
- **Magnetic Nanoparticle-Based Upregulation of B-Cell Lymphoma 2 Enhances Bone Regeneration.** *Stem cells translational medicine*

- Brett, E., Zielins, E. R., Luan, A., Ooi, C. C., Shailendra, S., Atashroo, D., Menon, S., Blackshear, C., Flacco, J., Quarto, N., Wang, S. X., Longaker, M. T., Wan, et al
2017; 6 (1): 151-160
- **Biomimetics of Bone Implants: The Regenerative Road.** *BioResearch open access*
Brett, E., Flacco, J., Blackshear, C., Longaker, M. T., Wan, D. C.
2017; 6 (1): 1-6
 - **Commentary on: Adipose Stem Cell Function Maintained with Age: An Intra-Subject Study of Long-Term Cryopreserved Cells.** *Aesthetic surgery journal*
Irizarry, D., Longaker, M. T., Wan, D. C.
2016
 - **Lectins bring benefits to bones** *ELIFE*
Chan, C. K. F., Ransom, R. C., Longaker, M. T.
2016; 5
 - **A Novel Method of Human Adipose-Derived Stem Cell Isolation with Resultant Increased Cell Yield** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Tevlin, R., McArdle, A., Brett, E., Chung, M. T., Paik, K., Seo, E. Y., Walmsley, G. G., Duldulao, C. R., Atashroo, D., Zielins, E., Vistnes, S., Chan, C. K., Wan, et al
2016; 138 (6): 983E-996E
 - **Commentary on: The Effects of Fat Harvesting and Preparation, Air Exposure, Obesity, and Stem Cell Enrichment on Adipocyte Viability Prior to Graft Transplantation.** *Aesthetic surgery journal*
Blackshear, C. P., Longaker, M. T., Wan, D. C.
2016; 36 (10): 1174-1175
 - **Dipeptidyl Peptidase-4, Wound Healing, Scarring, and Fibrosis.** *Plastic and reconstructive surgery*
Hu, M. S., Longaker, M. T.
2016; 138 (5): 1026-1031
 - **Stem Cells in Bone Regeneration** *STEM CELL REVIEWS AND REPORTS*
Walmsley, G. G., Ransom, R. C., Zielins, E. R., Leavitt, T., Flacco, J. S., Hu, M. S., Lee, A. S., Longaker, M. T., Wan, D. C.
2016; 12 (5): 524-529
 - **Intestinal Smooth Muscle Cell Migration May Contribute to Abdominal Adhesion Formation**
Marshall, C. D., Hu, M. S., Leavitt, T., Ransom, R. C., Barnes, L. A., Lorenz, H., Longaker, M. T.
ELSEVIER SCIENCE INC.2016: E106–E107
 - **Inhibition of Unfolded Protein Response Decreases Scar Formation**
Boyko, T. V., Jiang, D., Cao, H., Koong, A. C., Longaker, M. T., Yang, G. P.
ELSEVIER SCIENCE INC.2016: S98
 - **Scarless wound healing: finding the right cells and signals.** *Cell and tissue research*
Leavitt, T., Hu, M. S., Marshall, C. D., Barnes, L. A., Lorenz, H. P., Longaker, M. T.
2016; 365 (3): 483-493
 - **Mechanical Stimulation Increases Knee Meniscus Gene RNA-level Expression in Adipose-derived Stromal Cells** *PLASTIC AND RECONSTRUCTIVE SURGERY-GLOBAL OPEN*
Meier, E. M., Wu, B., Siddiqui, A., Tepper, D. G., Longaker, M. T., Lam, M. T.
2016; 4 (9): e864
 - **Magnetic Nanoparticle-Based Upregulation of B-Cell Lymphoma 2 Enhances Bone Regeneration.** *Stem cells translational medicine*
Brett, E., Zielins, E. R., Luan, A., Ooi, C. C., Shailendra, S., Atashroo, D., Menon, S., Blackshear, C., Flacco, J., Quarto, N., Wang, S. X., Longaker, M. T., Wan, et al
2016
 - **Scaffold-mediated BMP-2 minicircle DNA delivery accelerated bone repair in a mouse critical-size calvarial defect model** *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A*

- Keeney, M., Chung, M. T., Zielins, E. R., Paik, K. J., McArdle, A., Morrison, S. D., Ransom, R. C., Barbhuiya, N., Atashroo, D., Jacobson, G., Zare, R. N., Longaker, M. T., Wan, et al
2016; 104 (8): 2099-2107
- **Creation of Abdominal Adhesions in Mice** *JOVE-JOURNAL OF VISUALIZED EXPERIMENTS*
Marshall, C. D., Hu, M. S., Leavitt, T., Barnes, L. A., Cheung, A. T., Malhotra, S., Lorenz, H. P., Longaker, M. T.
2016
 - **Winner of the Young Investigator Award of the Society for Biomaterials at the 10th World Biomaterials Congress, May 17-22, 2016, Montreal QC, Canada: Microribbon-based hydrogels accelerate stem cell-based bone regeneration in a mouse critical-size cranial defect model** *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A*
Han, L., Conrad, B., Chung, M. T., Deveza, L., Jiang, X., Wang, A., Butte, M. J., Longaker, M. T., Wan, D., Yang, F.
2016; 104 (6): 1321-1331
 - **Expansion and Hepatic Differentiation of Adult Blood-Derived CD34(+) Progenitor Cells and Promotion of Liver Regeneration After Acute Injury** *STEM CELLS TRANSLATIONAL MEDICINE*
Hu, M., Li, S., Menon, S., Liu, B., Hu, M. S., Longaker, M. T., Lorenz, H. P.
2016; 5 (6): 723-732
 - **Suction assisted liposuction does not impair the regenerative potential of adipose derived stem cells** *JOURNAL OF TRANSLATIONAL MEDICINE*
Duscher, D., Luan, A., Rennert, R. C., Atashroo, D., Maan, Z. N., Brett, E. A., Whittam, A. J., Ho, N., Lin, M., Hu, M. S., Walmsley, G. G., Wenny, R., Schmidt, et al
2016; 14
 - **Small Molecule Inhibition of Transforming Growth Factor Beta Signaling Enables the Endogenous Regenerative Potential of the Mammalian Calvarium** *TISSUE ENGINEERING PART A*
Senarath-Yapa, K., Li, S., Walmsley, G. G., Zielins, E., Paik, K., Britto, J. A., Grigoriadis, A. E., Wan, D. C., Liu, K. J., Longaker, M. T., Quarto, N.
2016; 22 (9-10): 707-720
 - **Stem and progenitor cells: advancing bone tissue engineering.** *Drug delivery and translational research*
Tevlin, R., Walmsley, G. G., Marecic, O., Hu, M. S., Wan, D. C., Longaker, M. T.
2016; 6 (2): 159-173
 - **Discussion: In Vitro Validation of a Closed Device Enabling the Purification of the Fluid Portion of Liposuction Aspirates.** *Plastic and reconstructive surgery*
Zielins, E. R., Longaker, M. T., Wan, D. C.
2016; 137 (4): 1168-1170
 - **Autologous Fat Grafting: The Science Behind the Surgery.** *Aesthetic surgery journal*
Zielins, E. R., Brett, E. A., Longaker, M. T., Wan, D. C.
2016; 36 (4): 488-496
 - **Cell-Assisted Lipotransfer Improves Volume Retention in Irradiated Recipient Sites and Rescues Radiation-Induced Skin Changes** *STEM CELLS*
Luan, A., Duscher, D., Whittam, A. J., Paik, K. J., Zielins, E. R., Brett, E. A., Atashroo, D. A., Hu, M. S., Lee, G. K., Gurtner, G. C., Longaker, M. T., Wan, D. C.
2016; 34 (3): 668-673
 - **Cell-Assisted Lipotransfer Improves Volume Retention in Irradiated Recipient Sites and Rescues Radiation-Induced Skin Changes.** *Stem cells*
Luan, A., Duscher, D., Whittam, A. J., Paik, K. J., Zielins, E. R., Brett, E. A., Atashroo, D. A., Hu, M. S., Lee, G. K., Gurtner, G. C., Longaker, M. T., Wan, D. C.
2016; 34 (3): 668-673
 - **Enrichment of Adipose-Derived Stromal Cells for BMP1A Facilitates Enhanced Adipogenesis** *TISSUE ENGINEERING PART A*
Zielins, E. R., Paik, K., Ransom, R. C., Brett, E. A., Blackshear, C. P., Luan, A., Walmsley, G. G., Atashroo, D. A., Senarath-Yapa, K., Momeni, A., Rennert, R., Sorkin, M., Seo, et al
2016; 22 (3-4): 214-221
 - **Discussion: Transplantation of an LGR6(+) Epithelial Stem Cell-Enriched Scaffold for Repair of Full-Thickness Soft-Tissue Defects: The In Vitro Development of Polarized Hair-Bearing Skin** *PLASTIC AND RECONSTRUCTIVE SURGERY*

- Hu, M. S., Longaker, M. T., Lorenz, H.
2016; 137 (2): 508–9
- **Ultrasound-Assisted Liposuction Does Not Compromise the Regenerative Potential of Adipose-Derived Stem Cells.** *Stem cells translational medicine*
Duscher, D., Atashroo, D., Maan, Z. N., Luan, A., Brett, E. A., Barrera, J., Khong, S. M., Zielins, E. R., Whittam, A. J., Hu, M. S., Walmsley, G. G., Pollhammer, M. S., Schmidt, et al
2016; 5 (2): 248-257
 - **Murine Dermal Fibroblast Isolation by FACS.** *Journal of visualized experiments : JoVE*
Walmsley, G. G., Maan, Z. N., Hu, M. S., Atashroo, D. A., Whittam, A. J., Duscher, D., Tevlin, R., Marecic, O., Lorenz, H. P., Gurtner, G. C., Longaker, M. T.
2016
 - **Murine Dermal Fibroblast Isolation by FACS** *JOVE-JOURNAL OF VISUALIZED EXPERIMENTS*
Walmsley, G. G., Maan, Z. N., Hu, M. S., Atashroo, D. A., Whittam, A. J., Duscher, D., Tevlin, R., Marecic, O., Lorenz, H. P., Gurtner, G. C., Longaker, M. T.
2016
 - **Mesenchymal Stromal Cells as Cell-Based Therapeutics for Wound Healing** *STEM CELLS INTERNATIONAL*
Malhotra, S., Hu, M. S., Marshall, C. D., Leavitt, T., Cheung, A. T. M., Gonzalez, J. G., Kaur, H., Lorenz, H., Longaker, M. T.
2016; 2016: 4157934
 - **Stem cells and chronic wound healing: state of the art** *CHRONIC WOUND CARE MANAGEMENT AND RESEARCH*
Leavitt, T., Hu, M. S., Marshall, C. D., Barnes, L. A., Longaker, M. T., Lorenz, H.
2016; 3: 7–27
 - **Surveillance of Stem Cell Fate and Function: A System for Assessing Cell Survival and Collagen Expression In Situ.** *Tissue engineering. Part A*
Walmsley, G. G., Senarath-Yapa, K., Wearda, T. L., Menon, S., Hu, M. S., Duscher, D., Maan, Z. N., Tsai, J. M., Zielins, E. R., Weissman, I. L., Gurtner, G. C., Lorenz, H. P., Longaker, et al
2016; 22 (1-2): 31-40
 - **Getting nervous about regeneration.** *Stem cell investigation*
Montoro, D. T., Muhonen, E. G., Longaker, M. T.
2016; 3: 71
 - **Local and Circulating Endothelial Cells Undergo Endothelial to Mesenchymal Transition (EndMT) in Response to Musculoskeletal Injury.** *Scientific reports*
Agarwal, S., Loder, S., Cholok, D., Peterson, J., Li, J., Fireman, D., Breuler, C., Hsieh, H. S., Ranganathan, K., Hwang, C., Drake, J., Li, S., Chan, et al
2016; 6: 32514-?
 - **The role of stem cells in limb regeneration** *ORGANOGENESIS*
Zielins, E. R., Ransom, R. C., Leavitt, T. E., Longaker, M. T., Wan, D. C.
2016; 12 (1): 16-27
 - **Del1 Knockout Mice Developed More Severe Osteoarthritis Associated with Increased Susceptibility of Chondrocytes to Apoptosis.** *PloS one*
Wang, Z., Tran, M. C., Bhatia, N. J., Hsing, A. W., Chen, C., LaRussa, M. F., Fattakhov, E., Rashidi, V., Jang, K. Y., Choo, K. J., Nie, X., Mathy, J. A., Longaker, et al
2016; 11 (8)
 - **Short Hairpin RNA Silencing of PHD-2 Improves Neovascularization and Functional Outcomes in Diabetic Wounds and Ischemic Limbs.** *PloS one*
Paik, K. J., Maan, Z. N., Zielins, E. R., Duscher, D., Whittam, A. J., Morrison, S. D., Brett, E. A., Ransom, R. C., Hu, M. S., Wu, J. C., Gurtner, G. C., Longaker, M. T., Wan, et al
2016; 11 (3)
 - **An Overview of Direct Somatic Reprogramming: The Ins and Outs of iPSCs.** *International journal of molecular sciences*
Menon, S., Shailendra, S., Renda, A., Longaker, M., Quarto, N.

2016; 17 (1)

- **Mesenchymal Stromal Cells as Cell-Based Therapeutics for Wound Healing** *STEM CELLS INTERNATIONAL*
Malhotra, S., Hu, M. S., Marshall, C. D., Leavitt, T., Cheung, A. T., Gonzalez, J. G., Kaur, H., Lorenz, H. P., Longaker, M. T.
2016
- **Surveillance of Stem Cell Fate and Function: A System for Assessing Cell Survival and Collagen Expression In Situ** *TISSUE ENGINEERING PART A*
Walmsley, G. G., Senarath-Yapa, K., Wearda, T. L., Menon, S., Hu, M. S., Duscher, D., Maan, Z. N., Tsai, J. M., Zielins, E. R., Weissman, I. L., Gurtner, G. C., Lorenz, H. P., Longaker, et al
2016; 22 (1-2): 31-40
- **Reply: Studies in Fat Grafting: Part V. Cell-Assisted Lipotransfer to Enhance Fat Graft Retention Is Dose Dependent** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Zielins, E. R., Longaker, M. T., Wan, D. C.
2015; 136 (6): 850E–851E
- **Enhanced Activation of Canonical Wnt Signaling Confers Mesoderm-Derived Parietal Bone with Similar Osteogenic and Skeletal Healing Capacity to Neural Crest-Derived Frontal Bone** *PLOS ONE*
Li, S., Quarto, N., Senarath-Yapa, K., Grey, N., Bai, X., Longaker, M. T.
2015; 10 (10)
- **RNA Sequencing for Identification of Differentially Expressed Noncoding Transcripts during Adipogenic Differentiation of Adipose-Derived Stromal Cells.** *Plastic and reconstructive surgery*
Luan, A., Paik, K. J., Li, J., Zielins, E. R., Atashroo, D. A., Spencley, A., Momeni, A., Longaker, M. T., Wang, K. C., Wan, D. C.
2015; 136 (4): 752-763
- **Delivery of Macrophages in a Biomimetic Scaffold Accelerates Diabetic Wound Healing Through Enhanced Angiogenesis**
Walmsley, G. G., Hu, M. S., Duscher, D., Januszyk, M., Maan, Z. N., Senarath-Yapa, K., Tevlin, R., Zielins, E. R., Gurtner, G. C., Longaker, M. T.
ELSEVIER SCIENCE INC.2015: S113–S114
- **Impairment in Fracture Healing in a Mouse Model of Type 2 Diabetes Is Driven by Skeletal Stem Cell Niche Dysregulation**
Tevlin, R., Seo, E., Mc Ardle, A., Tong, X., Januszyk, M., Yang, F., Gurtner, G. C., Chan, C. K. F., Weissman, I. L., Longaker, M. T.
ELSEVIER SCIENCE INC.2015: S115
- **Microfluidic single cell transcriptional analysis reveals subpopulations of adipose derived stromal cells with enhanced angiogenic potential**
Zielins, E. R., Januszyk, M., Luan, A., Brett, E. A., Paik, K., Walmsley, G. G., Gurtner, G. C., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2015: E26
- **Melanoma Progression Depends on CXCL12 Expression by Host Endothelium**
Maan, Z. N., Hu, M. S., Whittam, A., Fischer, L. H., Duscher, D., Walmsley, G. G., Januszyk, M., Whitmore, A. J., Longaker, M. T., Gurtner, G. C.
ELSEVIER SCIENCE INC.2015: S116
- **Wounds outcompete tumors for neovascularization**
Hu, M. S., Maan, Z. N., Hong, W., Walmsley, G. G., Rennert, R. C., Atashroo, D., Gurtner, G. C., Giaccia, A. J., Lorenz, H., Longaker, M. T.
ELSEVIER SCIENCE INC.2015: E124
- **Adipose-Derived Stem Cells Improve Engraftment of Full-Thickness Skin Grafts by Increasing Angiogenesis**
Hu, M. S., Hong, W., Maan, Z. N., Hu, M., Zimmermann, A. S., Walmsley, G. G., Chung, M., Lorenz, H., Longaker, M. T.
ELSEVIER SCIENCE INC.2015: S112
- **Progenitor Cell Dysfunctions Underlie Some Diabetic Complications** *AMERICAN JOURNAL OF PATHOLOGY*
Rodrigues, M., Wong, V. W., Rennert, R. C., Davis, C. R., Longaker, M. T., Gurtner, G. C.
2015; 185 (10): 2607-2618
- **Skeletal Stem Cell Niche Aberrancies Underlie Impaired Fracture Healing in a Mouse Model of Type 2 Diabetes.** *Plastic and reconstructive surgery*
Tevlin, R., Young Seo, E., Marecic, O., Wearda, T., Mc Ardle, A., Januszyk, M., Gulati, G., Maan, Z., Hu, M. S., Walmsley, G. G., Gurtner, G. C., Chan, C. K., Weissman, et al
2015; 136 (4): 73-?

- **My Journey as a Surgeon-Scientist Ten Years after Receiving the Inaugural Jacobson Promising Investigator Award** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
Longaker, M. T.
2015; 221 (4): 880-882
- **Identification and characterization of an injury-induced skeletal progenitor** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Marecic, O., Tevlin, R., McArdle, A., Seo, E. Y., Wearda, T., Duldulao, C., Walmsley, G. G., Nguyen, A., Weissman, I. L., Chan, C. K., Longaker, M. T.
2015; 112 (32): 9920-9925
- **High-Throughput Screening of Surface Marker Expression on Undifferentiated and Differentiated Human Adipose-Derived Stromal Cells** *TISSUE ENGINEERING PART A*
Walmsley, G. G., Atashroo, D. A., Maan, Z. N., Hu, M. S., Zielins, E. R., Tsai, J. M., Duscher, D., Paik, K., Tevlin, R., Marecic, O., Wan, D. C., Gurtner, G. C., Longaker, et al
2015; 21 (15-16): 2281-2291
- **En1 fibroblasts and melanoma.** *Melanoma management*
Walmsley, G. G., Hu, M. S., Maan, Z. N., Rinkevich, Y., Weissman, I. L., Longaker, M. T.
2015; 2 (3): 191-192
- **What Makes a Plastic Surgery Residency Program Attractive? An Applicant's Perspective** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Atashroo, D. A., Luan, A., Vyas, K. S., Zielins, E. R., Maan, Z., Duscher, D., Walmsley, G. G., Lynch, M. P., Davenport, D. L., Wan, D. C., Longaker, M. T., Vasconez, H. C.
2015; 136 (1): 189-196
- **Nanotechnology in bone tissue engineering** *NANOMEDICINE-NANOTECHNOLOGY BIOLOGY AND MEDICINE*
Walmsley, G. G., McArdle, A., Tevlin, R., Momeni, A., Atashroo, D., Hu, M. S., Feroze, A. H., Wong, V. W., Lorenz, P. H., Longaker, M. T., Wan, D. C.
2015; 11 (5): 1253-1263
- **Studies in Fat Grafting: Part V. Cell-Assisted Lipotransfer to Enhance Fat Graft Retention Is Dose Dependent** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Paik, K. J., Zielins, E. R., Atashroo, D. A., Maan, Z. N., Duscher, D., Luan, A., Walmsley, G. G., Momeni, A., Vistnes, S., Gurtner, G. C., Longaker, M. T., Wan, D. C.
2015; 136 (1): 67-75
- **Emerging drugs for the treatment of wound healing** *EXPERT OPINION ON EMERGING DRUGS*
Zielins, E. R., Brett, E. A., Luan, A., Hu, M. S., Walmsley, G. G., Paik, K., Senarath-Yapa, K., Atashroo, D. A., Wearda, T., Lorenz, H. P., Wan, D. C., Longaker, M. T.
2015; 20 (2): 235-246
- **The Foreign Body Response: At the Interface of Surgery and Bioengineering** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Major, M. R., Wong, V. W., Nelson, E. R., Longaker, M. T., Gurtner, G. C.
2015; 135 (5): 1489-1498
- **Skin fibrosis. Identification and isolation of a dermal lineage with intrinsic fibrogenic potential.** *Science*
Rinkevich, Y., Walmsley, G. G., Hu, M. S., Maan, Z. N., Newman, A. M., Drukker, M., Januszzyk, M., Krampitz, G. W., Gurtner, G. C., Lorenz, H. P., Weissman, I. L., Longaker, M. T.
2015; 348 (6232)
- **Identification and isolation of a dermal lineage with intrinsic fibrogenic potential** *SCIENCE*
Rinkevich, Y., Walmsley, G. G., Hu, M. S., Maan, Z. N., Newman, A. M., Drukker, M., Januszzyk, M., Krampitz, G. W., Gurtner, G. C., Lorenz, H. P., Weissman, I. L., Longaker, M. T.
2015; 348 (6232): 302-?
- **Studies in Fat Grafting: Part IV. Adipose-Derived Stromal Cell Gene Expression in Cell-Assisted Lipotransfer** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Garza, R. M., Rennert, R. C., Paik, K. J., Atashroo, D., Chung, M. T., Duscher, D., Januszzyk, M., Gurtner, G. C., Longaker, M. T., Wan, D. C.
2015; 135 (4): 1045-1055
- **Therapeutic applications of human adipose-derived stromal cells for soft tissue reconstruction.** *Discovery medicine*
Zielins, E. R., Luan, A., Brett, E. A., Longaker, M. T., Wan, D. C.

2015; 19 (105): 245-253

- **Therapeutic Applications of Human Adipose-Derived Stromal Cells for Soft Tissue Reconstruction** *DISCOVERY MEDICINE*
Zielins, E. R., Luan, A., Brett, E. A., Longaker, M. T., Wan, D. C.
2015; 105: 245-253
- **Peripheral blood-derived mesenchymal stem cells: candidate cells responsible for healing critical-sized calvarial bone defects.** *Stem cells translational medicine*
Li, S., Huang, K., Wu, J., Hu, M. S., Sanyal, M., Hu, M., Longaker, M. T., Lorenz, H. P.
2015; 4 (4): 359-368
- **TWIST1 Silencing Enhances In Vitro and In Vivo Osteogenic Differentiation of Human Adipose-Derived Stem Cells by Triggering Activation of BMP-ERK/FGF Signaling and TAZ Upregulation.** *Stem cells*
Quarto, N., Senarath-Yapa, K., Renda, A., Longaker, M. T.
2015; 33 (3): 833-847
- **Live Fibroblast Harvest Reveals Surface Marker Shift In Vitro** *TISSUE ENGINEERING PART C-METHODS*
Walmsley, G. G., Rinkevich, Y., Hu, M. S., Montoro, D. T., Lo, D. D., McArdle, A., Maan, Z. N., Morrison, S. D., Duscher, D., Whittam, A. J., Wong, V. W., Weissman, I. L., Gurtner, et al
2015; 21 (3): 314-321
- **The role and regulation of osteoclasts in normal bone homeostasis and in response to injury.** *Plastic and reconstructive surgery*
McArdle, A., Marecic, O., Tevlin, R., Walmsley, G. G., Chan, C. K., Longaker, M. T., Wan, D. C.
2015; 135 (3): 808-816
- **Scarless wound healing: chasing the holy grail.** *Plastic and reconstructive surgery*
Walmsley, G. G., Maan, Z. N., Wong, V. W., Duscher, D., Hu, M. S., Zielins, E. R., Wearda, T., Muhonen, E., McArdle, A., Tevlin, R., Atashroo, D. A., Senarath-Yapa, K., Lorenz, et al
2015; 135 (3): 907-917
- **Exercise induces stromal cell-derived factor-1a-mediated release of endothelial progenitor cells with increased vasculogenic function.** *Plastic and reconstructive surgery*
Chang, E., Paterno, J., Duscher, D., Maan, Z. N., Chen, J. S., Januszyk, M., Rodrigues, M., Rennert, R. C., Bishop, S., Whitmore, A. J., Whittam, A. J., Longaker, M. T., Gurtner, et al
2015; 135 (2): 340e-50e
- **Reply: Studies in fat grafting: part I. Effects of injection technique on in vitro fat viability and in vivo volume retention; and studies in fat grafting: part II. Effects of injection mechanics on material properties of fat.** *Plastic and reconstructive surgery*
Wan, D. C., Gurtner, G. C., Longaker, M. T.
2015; 135 (2): 448e-9e
- **Identification and specification of the mouse skeletal stem cell.** *Cell*
Chan, C. K., Seo, E. Y., Chen, J. Y., Lo, D., McArdle, A., Sinha, R., Tevlin, R., Seita, J., Vincent-Tompkins, J., Wearda, T., Lu, W., Senarath-Yapa, K., Chung, et al
2015; 160 (1-2): 285-298
- **Epigenetic and in vivo comparison of diverse MSC sources reveals an endochondral signature for human hematopoietic niche formation.** *Blood*
Reinisch, A., Etchart, N., Thomas, D., Hofmann, N. A., Fruehwirth, M., Sinha, S., Chan, C. K., Senarath-Yapa, K., Seo, E., Wearda, T., Hartwig, U. F., Beham-Schmid, C., Trajanoski, et al
2015; 125 (2): 249-260
- **Isolation and Enrichment of Human Adipose-derived Stromal Cells for Enhanced Osteogenesis.** *Journal of visualized experiments : JoVE*
Zielins, E. R., Tevlin, R., Hu, M. S., Chung, M. T., McArdle, A., Paik, K. J., Atashroo, D., Duldulao, C. R., Luan, A., Senarath-Yapa, K., Walmsley, G. G., Wearda, T., Longaker, et al
2015
- **Differences in Foetal, Adult Skin and Mucosal Repair** *STEM CELL BIOLOGY AND TISSUE ENGINEERING IN DENTAL SCIENCES*
Lo, D. D., Hu, M. S., Zimmermann, A. S., Longaker, M. T., Lorenz, H.
edited by Vishwakarma, A., Sharpe, P., Shi, S., Ramalingam, M.
2015: 691-702

- **Stem Cell-Based Therapeutics to Improve Wound Healing.** *Plastic surgery international*
Hu, M. S., Leavitt, T., Malhotra, S., Duscher, D., Pollhammer, M. S., Walmsley, G. G., Maan, Z. N., Cheung, A. T., Schmidt, M., Huemer, G. M., Longaker, M. T., Lorenz, H. P.
2015; 2015: 383581-?
- **Assessment of viability of human fat injection into nude mice with micro-computed tomography.** *Journal of visualized experiments : JoVE*
Atashroo, D. A., Paik, K. J., Chung, M. T., McArdle, A., Senarath-Yapa, K., Zielins, E. R., Tevlin, R., Duldulao, C. R., Walmsley, G. G., Wearda, T., Marecic, O., Longaker, M. T., Wan, et al
2015
- **A mouse fetal skin model of scarless wound repair.** *Journal of visualized experiments : JoVE*
Walmsley, G. G., Hu, M. S., Hong, W. X., Maan, Z. N., Lorenz, H. P., Longaker, M. T.
2015
- **Impact of surgical innovation on tissue repair in the surgical patient.** *British journal of surgery*
Tevlin, R., Atashroo, D., Duscher, D., Mc Ardle, A., Gurtner, G. C., Wan, D. C., Longaker, M. T.
2015; 102 (2): e41-55
- **A mouse fetal skin model of scarless wound repair.** *Journal of visualized experiments : JoVE*
Walmsley, G. G., Hu, M. S., Hong, W. X., Maan, Z. N., Lorenz, H. P., Longaker, M. T.
2015: 52297-?
- **Isolation and enrichment of human adipose-derived stromal cells for enhanced osteogenesis.** *Journal of visualized experiments : JoVE*
Zielins, E. R., Tevlin, R., Hu, M. S., Chung, M. T., McArdle, A., Paik, K. J., Atashroo, D., Duldulao, C. R., Luan, A., Senarath-Yapa, K., Walmsley, G. G., Wearda, T., Longaker, et al
2015: 52181-?
- **Assessment of viability of human fat injection into nude mice with micro-computed tomography.** *Journal of visualized experiments : JoVE*
Atashroo, D. A., Paik, K. J., Chung, M. T., McArdle, A., Senarath-Yapa, K., Zielins, E. R., Tevlin, R., Duldulao, C. R., Walmsley, G. G., Wearda, T., Marecic, O., Longaker, M. T., Wan, et al
2015
- **Impact of surgical innovation on tissue repair in the surgical patient.** *British journal of surgery*
Tevlin, R., Atashroo, D., Duscher, D., Mc Ardle, A., Gurtner, G. C., Wan, D. C., Longaker, M. T.
2015; 102 (2): e41-55
- **Wnts produced by Osterix-expressing osteolineage cells regulate their proliferation and differentiation.** *Proceedings of the National Academy of Sciences of the United States of America*
Tan, S. H., Senarath-Yapa, K., Chung, M. T., Longaker, M. T., Wu, J. Y., Nusse, R.
2014; 111 (49): E5262-71
- **Wnts produced by Osterix-expressing osteolineage cells regulate their proliferation and differentiation** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Tan, S. H., Senarath-Yapa, K., Chung, M. T., Longaker, M. T., Wu, J. Y., Nusse, R.
2014; 111 (49): E5262-E5271
- **Biomaterials for Craniofacial Bone Engineering** *JOURNAL OF DENTAL RESEARCH*
Tevlin, R., McArdle, A., Atashroo, D., Walmsley, G. G., Senarath-Yapa, K., Zielins, E. R., Paik, K. J., Longaker, M. T., Wan, D. C.
2014; 93 (12): 1187-1195
- **Loss of keratinocyte focal adhesion kinase stimulates dermal proteolysis through upregulation of MMP9 in wound healing.** *Annals of surgery*
Wong, V. W., Garg, R. K., Sorkin, M., Rustad, K. C., Akaishi, S., Levi, K., Nelson, E. R., Tran, M., Rennert, R., Liu, W., Longaker, M. T., Dauskardt, R. H., Gurtner, et al
2014; 260 (6): 1138-1146
- **Loss of Keratinocyte Focal Adhesion Kinase Stimulates Dermal Proteolysis Through Upregulation of MMP9 in Wound Healing** *ANNALS OF SURGERY*
Wong, V. W., Garg, R. K., Sorkin, M., Rustad, K. C., Akaishi, S., Levi, K., Nelson, E. R., Tran, M., Rennert, R., Liu, W., Longaker, M. T., Dauskardt, R. H., Gurtner, et al
2014; 260 (6): 1138-1146

- **Positive Selection for Bone Morphogenetic Protein Receptor Type-IB Promotes Differentiation and Specification of Human Adipose-Derived Stromal Cells Toward an Osteogenic Lineage** *TISSUE ENGINEERING PART A*
McArdle, A., Chung, M. T., Paik, K. J., Duldulao, C., Chan, C., Rennert, R., Walmsley, G. G., Senarath-Yapa, K., Hu, M., Seo, E., Lee, M., Wan, D. C., Longaker, et al
2014; 20 (21-22): 3031-3040
- **Positive selection for bone morphogenetic protein receptor type-IB promotes differentiation and specification of human adipose-derived stromal cells toward an osteogenic lineage.** *Tissue engineering. Part A*
McArdle, A., Chung, M. T., Paik, K. J., Duldulao, C., Chan, C., Rennert, R., Walmsley, G. G., Senarath-Yapa, K., Hu, M., Seo, E., Lee, M., Wan, D. C., Longaker, et al
2014; 20 (21-22): 3031-3040
- **Reply: tension shielding with the embrace device: does it really improve scars?** *Plastic and reconstructive surgery*
Gurtner, G. C., Longaker, M. T.
2014; 134 (4): 664e-6e
- **Diabetes irreversibly depletes bone marrow-derived mesenchymal progenitor cell subpopulations.** *Diabetes*
Januszyk, M., Sorkin, M., Glotzbach, J. P., Vial, I. N., Maan, Z. N., Rennert, R. C., Duscher, D., Thangarajah, H., Longaker, M. T., Butte, A. J., Gurtner, G. C.
2014; 63 (9): 3047-3056
- **Reduced Regenerative Capacity of Aged Adipose Derived Stem Cells is Caused by Alterations of Cell Subpopulation Dynamics**
Duscher, D., Rennert, R. C., Januszyk, M., Maan, Z. N., Whittam, A. J., Hu, M. S., Walmsley, G. G., Atashroo, D., Longaker, M. T., Gurtner, G. C.
ELSEVIER SCIENCE INC.2014: S136
- **Diminished Recruitment of Resident Skeletal Progenitor Cells in Diabetic Fracture Healing**
Tevlin, R., Seo, E., McArdle, A., Marecic, O., Wearda, T., Senarath-Yapa, K., Zielins, E. R., Chan, C. K., Weissman, I. L., Longaker, M. T.
ELSEVIER SCIENCE INC.2014: S82
- **Heterochronic Parabiosis Rejuvenates Aged Bones**
McArdle, A., Tevlin, R., Marecic, O., Wearda, T., Senarath-Yapa, K., Walmsley, G. G., Snyder, M. P., Weissman, I. L., Chan, C. K., Longaker, M. T.
ELSEVIER SCIENCE INC.2014: S82-S83
- **Response of Skeletal Progenitor Cells to Fracture Injury in a Mouse Model**
Marecic, O., McArdle, A., Seo, E., Tevlin, R., Duldulao, C., Wearda, T., Chan, C., Weissman, I. L., Longaker, M. T.
ELSEVIER SCIENCE INC.2014: S86
- **The Optimal Fat Graft: Evaluating the Biomechanical Effects of Diameter, Length, and Flow Rate during Fat Placement**
Atashroo, D., Wearda, T., Raphael, J., Paik, K., Zielins, E. R., Walmsley, G. G., Tevlin, R., Wan, D. C., Heilshorn, S., Longaker, M. T.
ELSEVIER SCIENCE INC.2014: S90
- **Capillary force seeding of hydrogels for adipose-derived stem cell delivery in wounds.** *Stem cells translational medicine*
Garg, R. K., Rennert, R. C., Duscher, D., Sorkin, M., Kosaraju, R., Auerbach, L. J., Lennon, J., Chung, M. T., Paik, K., Nimpf, J., Rajadas, J., Longaker, M. T., Gurtner, et al
2014; 3 (9): 1079-1089
- **Noncontact, low-frequency ultrasound therapy enhances neovascularization and wound healing in diabetic mice.** *Plastic and reconstructive surgery*
Maan, Z. N., Januszyk, M., Rennert, R. C., Duscher, D., Rodrigues, M., Fujiwara, T., Ho, N., Whitmore, A., Hu, M. S., Longaker, M. T., Gurtner, G. C.
2014; 134 (3): 402e-11e
- **A Randomized Controlled Trial of the embrace Advanced Scar Therapy Device to Reduce Incisional Scar Formation.** *Plastic and reconstructive surgery*
Longaker, M. T., Rohrich, R. J., Greenberg, L., Furnas, H., Wald, R., Bansal, V., Seify, H., Tran, A., Weston, J., Korman, J. M., Chan, R., Kaufman, D., Dev, et al
2014; 134 (3): 536-546
- **The role of stem cells in aesthetic surgery: fact or fiction?** *Plastic and reconstructive surgery*
McArdle, A., Senarath-Yapa, K., Walmsley, G. G., Hu, M., Atashroo, D. A., Tevlin, R., Zielins, E., Gurtner, G. C., Wan, D. C., Longaker, M. T.
2014; 134 (2): 193-200

- **Studies in Fat Grafting: Part III. Fat Grafting Irradiated Tissue-Improved Skin Quality and Decreased Fat Graft Retention.** *Plastic and reconstructive surgery*
Garza, R. M., Paik, K. J., Chung, M. T., Duscher, D., Gurtner, G. C., Longaker, M. T., Wan, D. C.
2014; 134 (2): 249-257
- **Clonal analysis reveals nerve-dependent and independent roles on mammalian hind limb tissue maintenance and regeneration** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Rinkevich, Y., Montoro, D. T., Muhonen, E., Walmsley, G. G., Lo, D., Hasegawa, M., Januszyk, M., Connolly, A. J., Weissman, I. L., Longaker, M. T.
2014; 111 (27): 9846-9851
- **Clonal analysis reveals nerve-dependent and independent roles on mammalian hind limb tissue maintenance and regeneration.** *Proceedings of the National Academy of Sciences of the United States of America*
Rinkevich, Y., Montoro, D. T., Muhonen, E., Walmsley, G. G., Lo, D., Hasegawa, M., Januszyk, M., Connolly, A. J., Weissman, I. L., Longaker, M. T.
2014; 111 (27): 9846-9851
- **Studies in Fat Grafting: Part II. Effects of Injection Mechanics on Material Properties of Fat** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Atashroo, D., Raphael, J., Chung, M. T., Paik, K. J., Parisi-Amon, A., McArdle, A., Senarath-Yapa, K., Zielins, E. R., Tevlin, R., Duldulao, C., Walmsley, G. G., Hu, M. S., Momeni, et al
2014; 134 (1): 39-46
- **Studies in fat grafting: Part I. Effects of injection technique on in vitro fat viability and in vivo volume retention.** *Plastic and reconstructive surgery*
Chung, M. T., Paik, K. J., Atashroo, D. A., Hyun, J. S., McArdle, A., Senarath-Yapa, K., Zielins, E. R., Tevlin, R., Duldulao, C., Hu, M. S., Walmsley, G. G., Parisi-Amon, A., Momeni, et al
2014; 134 (1): 29-38
- **Studies in fat grafting: Part II. Effects of injection mechanics on material properties of fat.** *Plastic and reconstructive surgery*
Atashroo, D., Raphael, J., Chung, M. T., Paik, K. J., Parisi-Amon, A., McArdle, A., Senarath-Yapa, K., Zielins, E. R., Tevlin, R., Duldulao, C., Walmsley, G. G., Hu, M. S., Momeni, et al
2014; 134 (1): 39-46
- **Tissue engineering and regenerative repair in wound healing.** *Annals of biomedical engineering*
Hu, M. S., Maan, Z. N., Wu, J., Rennert, R. C., Hong, W. X., Lai, T. S., Cheung, A. T., Walmsley, G. G., Chung, M. T., McArdle, A., Longaker, M. T., Lorenz, H. P.
2014; 42 (7): 1494-1507
- **Gene expression in fetal murine keratinocytes and fibroblasts** *JOURNAL OF SURGICAL RESEARCH*
Hu, M. S., Januszyk, M., Hong, W. X., Walmsley, G. G., Zielins, E. R., Atashroo, D. A., Maan, Z. N., McArdle, A., Takamishi, D. M., Gurtner, G. C., Longaker, M. T., Lorenz, H. P.
2014; 190 (1): 344-357
- **Studies in Fat Grafting: Part I. Effects of Injection Technique on In Vitro Fat Viability and In Vivo Volume Retention** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Chung, M. T., Paik, K. J., Atashroo, D. A., Hyun, J. S., McArdle, A., Senarath-Yapa, K., Zielins, E. R., Tevlin, R., Duldulao, C., Hu, M. S., Walmsley, G. G., Parisi-Amon, A., Momeni, et al
2014; 134 (1): 29-38
- **Mechanotransduction and fibrosis** *JOURNAL OF BIOMECHANICS*
Duscher, D., Maan, Z. N., Wong, V. W., Rennert, R. C., Januszyk, M., Rodrigues, M., Hu, M., Whitmore, A. J., Whittam, A. J., Longaker, M. T., Gurtner, G. C.
2014; 47 (9): 1997-2005
- **Fat or fiction: origins matter.** *Cell metabolism*
Wan, D. C., Longaker, M. T.
2014; 19 (6): 900-901
- **Adipose-Derived Stem Cells: A Review of Signaling Networks Governing Cell Fate and Regenerative Potential in the Context of Craniofacial and Long Bone Skeletal Repair** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
Senarath-Yapa, K., McArdle, A., Renda, A., Longaker, M. T., Quarto, N.
2014; 15 (6): 9314-9330

- **Moisturizing different racial skin types.** *The Journal of clinical and aesthetic dermatology*
Wan, D. C., Wong, V. W., Longaker, M. T., Yang, G. P., Wei, F.
2014; 7 (6): 25-32
- **Adipose-derived stem cells: a review of signaling networks governing cell fate and regenerative potential in the context of craniofacial and long bone skeletal repair.** *International journal of molecular sciences*
Senarath-Yapa, K., McArdle, A., Renda, A., Longaker, M. T., Quarto, N.
2014; 15 (6): 9314-30
- **In Vivo clonal analysis reveals lineage-restricted progenitor characteristics in Mammalian kidney development, maintenance, and regeneration.** *Cell reports*
Rinkevich, Y., Montoro, D. T., Contreras-Trujillo, H., Harari-Steinberg, O., Newman, A. M., Tsai, J. M., Lim, X., Van-Amerongen, R., Bowman, A., Januszzyk, M., Pleniceanu, O., Nusse, R., Longaker, et al
2014; 7 (4): 1270-1283
- **Tracking the elusive fibrocyte: identification and characterization of collagen-producing hematopoietic lineage cells during murine wound healing.** *Stem cells*
Suga, H., Rennert, R. C., Rodrigues, M., Sorkin, M., Glotzbach, J. P., Januszzyk, M., Fujiwara, T., Longaker, M. T., Gurtner, G. C.
2014; 32 (5): 1347-1360
- **The Role of Hypoxia-Inducible Factor in Wound Healing** *ADVANCES IN WOUND CARE*
Hong, W., Hu, M. S., Esquivel, M., Liang, G. Y., Rennert, R. C., McArdle, A., Paik, K. J., Duscher, D., Gurtner, G. C., Lorenz, H., Longaker, M. T.
2014; 3 (5): 390-99
- **The Role of Hypoxia-Inducible Factor in Wound Healing.** *Advances in wound care*
Hong, W. X., Hu, M. S., Esquivel, M., Liang, G. Y., Rennert, R. C., McArdle, A., Paik, K. J., Duscher, D., Gurtner, G. C., Lorenz, H. P., Longaker, M. T.
2014; 3 (5): 390-399
- **Fat Transfer in 2014: What We Do Not Know** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Longaker, M. T., Aston, S. J., Baker, D. C., Rohrich, R. J.
2014; 133 (5): 1305-7
- **Mechanical offloading of incisional wounds is associated with transcriptional downregulation of inflammatory pathways in a large animal model** *ORGANOGENESIS*
Januszzyk, M., Wong, V. W., Bhatt, K. A., Vial, I. N., Paterno, J., Longaker, M. T., Gurtner, G. C.
2014; 10 (2): 186-193
- **LOW DOSE RADIATION FROM CARDIAC COMPUTED TOMOGRAPHY IS ASSOCIATED WITH DNA DAMAGE AND CELLULAR DEATH**
Hong, W., Lee, W., Liang, G., Chan, C., Sanchez-Freire, V., Hu, S., Longaker, M. T., Wu, J., Nguyen, P.
ELSEVIER SCIENCE INC.2014: A1047
- **The Role of Stem Cells During Scarless Skin Wound Healing.** *Advances in wound care*
Hu, M. S., Rennert, R. C., McArdle, A., Chung, M. T., Walmsley, G. G., Longaker, M. T., Lorenz, H. P.
2014; 3 (4): 304-314
- **The Role of Stem Cells During Scarless Skin Wound Healing** *ADVANCES IN WOUND CARE*
Hu, M., Rennert, R. C., McArdle, A., Chung, M. T., Walmsley, G. G., Longaker, M. T., Lorenz, H.
2014; 3 (4): 304-14
- **Mechanotransduction and fibrosis.** *Journal of biomechanics*
Duscher, D., Maan, Z. N., Wong, V. W., Rennert, R. C., Januszzyk, M., Rodrigues, M., Hu, M., Whitmore, A. J., Whittam, A. J., Longaker, M. T., Gurtner, G. C.
2014
- **Induced pluripotent stem cells in regenerative medicine and disease modeling.** *Current stem cell research & therapy*
Walmsley, G. G., Hyun, J., McArdle, A., Senarath-Yapa, K., Hu, M. S., Chung, M. T., Wong, V. W., Longaker, M. T., Wan, D. C.
2014; 9 (2): 73-81
- **Abstract 8: SDF-1 Regulates Adipose Niche Homeostasis and Adipose Derived Stromal Cell Function.** *Plastic and reconstructive surgery*
Maan, Z. N., Rennert, R. C., Duscher, D., Januszzyk, M., Paik, K., Chung, M. T., Paik, K., Fujiwara, T., Rodrigues, M., Ho, N., Baker, H., Perez, M., Hu, et al

2014; 133 (3): 15-16

- **Abstract 10: Global and Endothelial Cell Specific Deletion of SDF-1 Results in Delayed Wound Healing.** *Plastic and reconstructive surgery*
Maan, Z. N., Ho, N., Rennert, R. C., Duscher, D., Sorkin, M., Rodrigues, M., Chen, J., Vial, I. N., Januszyk, M., Findlay, M., Hu, M., Walmsley, G., Longaker, et al
2014; 133 (3): 20-?
- **Abstract 135: improved engraftment of autologous skin grafts in diabetic mice with adipose-derived stem cells.** *Plastic and reconstructive surgery*
Hu, M., Hong, W. X., Senarath-Yapa, K., Zimmermann, A., Chung, M., Esquivel, M., McArdle, A., Walmsley, G., Maan, Z., Garza, R., Lorenz, H. P., Longaker, M.
2014; 133 (3): 151-?
- **Abstract 33: Stress Offloading through Mechanomodulation is Associated with Down-Regulation of Inflammatory Pathways in a Large Animal Model.** *Plastic and reconstructive surgery*
Januszyk, M., Wong, V. W., Bhatt, K., Vial, I. N., Dauskardt, R., Longaker, M. T., Gurtner, G. C.
2014; 133 (3): 44-?
- **Abstract 161: identification of cell-intrinsic mechanisms and differentially regulated genetic pathways responsible for the age-related functional decline in aged skeletal stem cells.** *Plastic and reconstructive surgery*
McArdle, A., Chan, C., Seita, J., Senarath-Yapa, K., Hu, M., Walmsley, G. G., Zielins, E., Atashroo, D., Tevlin, R., Weissman, I., Longaker, M. T.
2014; 133 (3): 178-?
- **Abstract 140: identification, characterization, and prospective isolation of a fibroblast lineage contributing to dermal development, cutaneous scarring, radiation fibrosis, and cancer stroma.** *Plastic and reconstructive surgery*
Walmsley, G. G., Rinkevich, Y., Hu, M. S., McArdle, A., Maan, Z. N., Lorenz, H. P., Weissman, I. L., Longaker, M. T.
2014; 133 (3): 157-?
- **Abstract 165: Enhanced Adipose-Derived Stromal Cell Osteogenesis through Surface Marker Enrichment and BMP Modulation using Magnet-assisted Transfection.** *Plastic and reconstructive surgery*
Chung, M. T., Morrison, S. D., Paik, K. J., McArdle, A., Walmsley, G., Senarath-Yapa, K., Hu, M. S., Tevlin, R., Zielins, E., Atashroo, D., Hong, W. X., Duldulao, C., Wearda, et al
2014; 133 (3): 181-182
- **Abstract 54: TGF Beta and BMP Signaling Pathways Influence Regenerative Capacity of Calvarial Bones via Cross-Talk and Modulation of Apoptosis: The Potential Therapeutic Role of Small Molecule Inhibitors of TGF Beta Signaling.** *Plastic and reconstructive surgery*
Senarath-Yapa, K., Meyer, N., Li, S., Longaker, M. T., Quarto, N.
2014; 133 (3): 65-66
- **Abstract 151: short hairpin RNA interference therapy for diabetic murine wound closure and hindlimb ischemia.** *Plastic and reconstructive surgery*
Paik, K. J., Rennert, R., Chung, M. T., Sorkin, M., Duscher, D., Atashroo, D., Chen, H., Morrison, S. D., Zimmermann, A., Nauta, A., Ko, S., Tevlin, R., Zielins, et al
2014; 133 (3): 167-168
- **Abstract 158: Identification of BMP-Responsive Long Noncoding RNAs in Pluripotent Cells.** *Plastic and reconstructive surgery*
Paik, K. J., Qu, K., Hsueh, B., Torre, E. A., Flynn, R. A., Chung, M. T., Spencley, A., Wang, K. C., Wu, J. C., Longaker, M. T., Chang, H. Y., Wan, D. C.
2014; 133 (3): 174-?
- **Gene expression in fetal murine keratinocytes and fibroblasts.** *The Journal of surgical research*
Hu, M. S., Januszyk, M., Hong, W. X., Walmsley, G. G., Zielins, E. R., Atashroo, D. A., Maan, Z. N., McArdle, A., Takahashi, D. M., Gurtner, G. C., Longaker, M. T., Lorenz, H. P.
2014
- **Paracrine Mechanism of Angiogenesis in Adipose-Derived Stem Cell Transplantation** *ANNALS OF PLASTIC SURGERY*
Suga, H., Glotzbach, J. P., Sorkin, M., Longaker, M. T., Gurtner, G. C.
2014; 72 (2): 234-241
- **The embrace Device Significantly Decreases Scarring following Scar Revision Surgery in a Randomized Controlled Trial.** *Plastic and reconstructive surgery*
Lim, A. F., Weintraub, J., Kaplan, E. N., Januszyk, M., Cowley, C., McLaughlin, P., Beasley, B., Gurtner, G. C., Longaker, M. T.
2014; 133 (2): 398-405

- **Concurrent Generation of Functional Smooth Muscle and Endothelial Cells via a Vascular Progenitor.** *Stem cells translational medicine*
Marchand, M., Anderson, E. K., Phadnis, S. M., Longaker, M. T., Cooke, J. P., Chen, B., Reijo Pera, R. A.
2014; 3 (1): 91-97
- **Transplanted terminally differentiated induced pluripotent stem cells are accepted by immune mechanisms similar to self-tolerance.** *Nature communications*
de Almeida, P. E., Meyer, E. H., Kooreman, N. G., Diecke, S., Dey, D., Sanchez-Freire, V., Hu, S., Ebert, A., Odegaard, J., Mordwinkin, N. M., Brouwer, T. P., Lo, D., Montoro, et al
2014; 5: 3903-?
- **Wound healing: an update.** *Regenerative medicine*
Zielins, E. R., Atashroo, D. A., Maan, Z. N., Duscher, D., Walmsley, G. G., Hu, M., Senarath-Yapa, K., McArdle, A., Tevlin, R., Wearda, T., Paik, K. J., Duldulao, C., Hong, et al
2014; 9 (6): 817-830
- **Skeletal Tissue Engineering** *PRINCIPLES OF TISSUE ENGINEERING, 4TH EDITION*
Montoro, D. T., Wan, D. C., Longaker, M. T.
edited by Lanza, R., Langer, R., Vacanti, J.
2014: 1289–1302
- **Epidermal or dermal specific knockout of PHD-2 enhances wound healing and minimizes ischemic injury.** *PLoS one*
Zimmermann, A. S., Morrison, S. D., Hu, M. S., Li, S., Nauta, A., Sorkin, M., Meyer, N. P., Walmsley, G. G., Maan, Z. N., Chan, D. A., Gurtner, G. C., Giaccia, A. J., Longaker, et al
2014; 9 (4)
- **Osteoclast derivation from mouse bone marrow.** *Journal of visualized experiments : JoVE*
Tevlin, R., McArdle, A., Chan, C. K., Pluvinage, J., Walmsley, G. G., Wearda, T., Marecic, O., Hu, M. S., Paik, K. J., Senarath-Yapa, K., Atashroo, D. A., Zielins, E. R., Wan, et al
2014
- **Osteoclast derivation from mouse bone marrow.** *Journal of visualized experiments : JoVE*
Tevlin, R., McArdle, A., Chan, C. K., Pluvinage, J., Walmsley, G. G., Wearda, T., Marecic, O., Hu, M. S., Paik, K. J., Senarath-Yapa, K., Atashroo, D. A., Zielins, E. R., Wan, et al
2014
- **Wound healing: an update** *REGENERATIVE MEDICINE*
Zielins, E. R., Atashroo, D. A., Maan, Z. N., Duscher, D., Walmsley, G. G., Marecic, O., Hu, M., Senarath-Yapa, K., McArdle, A., Tevlin, R., Wearda, T., Paik, K. J., Duldulao, et al
2014; 9 (6): 817-830
- **Epidermal or Dermal Specific Knockout of PHD-2 Enhances Wound Healing and Minimizes Ischemic Injury.** *PLoS one*
Zimmermann, A. S., Morrison, S. D., Hu, M. S., Li, S., Nauta, A., Sorkin, M., Meyer, N. P., Walmsley, G. G., Maan, Z. N., Chan, D. A., Gurtner, G. C., Giaccia, A. J., Longaker, et al
2014; 9 (4)
- **Transplanted terminally differentiated induced pluripotent stem cells are accepted by immune mechanisms similar to self-tolerance.** *Nature communications*
de Almeida, P. E., Meyer, E. H., Kooreman, N. G., Diecke, S., Dey, D., Sanchez-Freire, V., Hu, S., Ebert, A., Odegaard, J., Mordwinkin, N. M., Brouwer, T. P., Lo, D., Montoro, et al
2014; 5: 3903-?
- **Biological therapies for the treatment of cutaneous wounds: Phase III and launched therapies** *EXPERT OPINION ON BIOLOGICAL THERAPY*
Rennert, R. C., Rodrigues, M., Wong, V. W., Duscher, D., Hu, M., Maan, Z., Sorkin, M., Gurtner, G. C., Longaker, M. T.
2013; 13 (11): 1523-1541
- **Biological therapies for the treatment of cutaneous wounds: phase III and launched therapies.** *Expert opinion on biological therapy*
Rennert, R. C., Rodrigues, M., Wong, V. W., Duscher, D., Hu, M., Maan, Z., Sorkin, M., Gurtner, G. C., Longaker, M. T.
2013; 13 (11): 1523-1541
- **From Germ Theory to Germ Therapy: Skin Microbiota, Chronic Wounds, and Probiotics** *PLASTIC AND RECONSTRUCTIVE SURGERY*

- Wong, V. W., Martindale, R. G., Longaker, M. T., Gurtner, G. C.
2013; 132 (5): 854E-861E
- **Isolation of human adipose-derived stromal cells using laser-assisted liposuction and their therapeutic potential in regenerative medicine.** *Stem cells translational medicine*
Chung, M. T., Zimmermann, A. S., Paik, K. J., Morrison, S. D., Hyun, J. S., Lo, D. D., McArdle, A., Montoro, D. T., Walmsley, G. G., Senarath-Yapa, K., Sorkin, M., Rennert, R., Chen, et al
2013; 2 (10): 808-817
 - **Enhancing stem cell survival in vivo for tissue repair** *BIOTECHNOLOGY ADVANCES*
Hyun, J. S., Tran, M. C., Wong, V. W., Chung, M. T., Lo, D. D., Montoro, D. T., Wan, D. C., Longaker, M. T.
2013; 31 (5): 736-743
 - **Cell surface marker profiling of human adipose derived stem cells using single cell transcriptional analysis identifies heterogeneous subpopulations**
Sorkin, M., Rennert, R. C., Januszyk, M., Glotzbach, J. P., Chung, M. T., Longaker, M. T., Gurtner, G. C.
ELSEVIER SCIENCE INC.2013: S96–S97
 - **Molecular analysis and differentiation capacity of adipose-derived stem cells from lymphedema tissue.** *Plastic and reconstructive surgery*
Levi, B., Glotzbach, J. P., Sorkin, M., Hyun, J., Januszyk, M., Wan, D. C., Li, S., Nelson, E. R., Longaker, M. T., Gurtner, G. C.
2013; 132 (3): 580-589
 - **Wound healing: a paradigm for regeneration.** *Mayo Clinic proceedings. Mayo Clinic*
Wong, V. W., Gurtner, G. C., Longaker, M. T.
2013; 88 (9): 1022-1031
 - **Enhancing in vivo survival of adipose-derived stromal cells through bcl-2 overexpression using a minicircle vector.** *Stem cells translational medicine*
Hyun, J., Grova, M., Nejadnik, H., Lo, D., Morrison, S., Montoro, D., Chung, M., Zimmermann, A., Walmsley, G. G., Lee, M., Daldrup-Link, H., Wan, D. C., Longaker, et al
2013; 2 (9): 690-702
 - **Molecular analysis and differentiation capacity of adipose-derived stem cells from lymphedema tissue.** *Plastic and reconstructive surgery*
Levi, B., Glotzbach, J. P., Sorkin, M., Hyun, J., Januszyk, M., Wan, D. C., Li, S., Nelson, E. R., Longaker, M. T., Gurtner, G. C.
2013; 132 (3): 580-589
 - **Clonal precursor of bone, cartilage, and hematopoietic niche stromal cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Chan, C. K., Lindau, P., Jiang, W., Chen, J. Y., Zhang, L. F., Chen, C., Seita, J., Sahoo, D., Kim, J., Lee, A., Park, S., Nag, D., Gong, et al
2013; 110 (31): 12643-12648
 - **Wnt3a reestablishes osteogenic capacity to bone grafts from aged animals.** *journal of bone and joint surgery. American volume*
Leucht, P., Jiang, J., Cheng, D., Liu, B., Dhamdhere, G., Fang, M. Y., Monica, S. D., Urena, J. J., Cole, W., Smith, L. R., Castillo, A. B., Longaker, M. T., Helms, et al
2013; 95 (14): 1278-1288
 - **Wnt3a Reestablishes Osteogenic Capacity to Bone Grafts from Aged Animals** *JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME*
Leucht, P., Jiang, J., Cheng, D., Liu, B., Dhamdhere, G., Fang, M. Y., Monica, S. D., Urena, J. J., Cole, W., Smith, L. R., Castillo, A. B., Longaker, M. T., Helms, et al
2013; 95A (14): 1278-1288
 - **A Mechanomodulatory Device to Minimize Incisional Scar Formation.** *Advances in wound care*
Wong, V. W., Beasley, B., Zepeda, J., Dauskardt, R. H., Yock, P. G., Longaker, M. T., Gurtner, G. C.
2013; 2 (4): 185-194
 - **A Mechanomodulatory Device to Minimize Incisional Scar Formation** *ADVANCES IN WOUND CARE*
Wong, V. W., Beasley, B., Zepeda, J., Dauskardt, R. H., Yock, P. G., Longaker, M. T., Gurtner, G. C.
2013; 2 (4): 185–94
 - **Paracrine Mechanism of Angiogenesis in Adipose-Derived Stem Cell Transplantation.** *Annals of plastic surgery*

Suga, H., Glotzbach, J. P., Sorkin, M., Longaker, M. T., Gurtner, G. C.
2013

- **Brg1 governs a positive feedback circuit in the hair follicle for tissue regeneration and repair.** *Developmental cell*
Xiong, Y., Li, W., Shang, C., Chen, R. M., Han, P., Yang, J., Stankunas, K., Wu, B., Pan, M., Zhou, B., Longaker, M. T., Chang, C.
2013; 25 (2): 169-181
- **CD90 (Thy-1)-Positive Selection Enhances Osteogenic Capacity of Human Adipose-Derived Stromal Cells** *TISSUE ENGINEERING PART A*
Chung, M. T., Liu, C., Hyun, J. S., Lo, D. D., Montoro, D. T., Hasegawa, M., Li, S., Sorkin, M., Rennert, R., Keeney, M., Yang, F., Quarto, N., Longaker, et al
2013; 19 (7-8): 989-997
- **Integration of Multiple Signaling Regulates through Apoptosis the Differential Osteogenic Potential of Neural Crest-Derived and Mesoderm-Derived Osteoblasts** *PLOS ONE*
Li, S., Meyer, N. P., Quarto, N., Longaker, M. T.
2013; 8 (3)
- **Micro-Computed Tomography Evaluation of Human Fat Grafts in Nude Mice** *TISSUE ENGINEERING PART C-METHODS*
Chung, M. T., Hyun, J. S., Lo, D. D., Montoro, D. T., Hasegawa, M., Levi, B., Januszyk, M., Longaker, M. T., Wan, D. C.
2013; 19 (3): 227-232
- **Commentary on the differential healing capacity of calvarial bone.** *journal of craniofacial surgery*
Lo, D. D., McArdle, A., Senarath-Yapa, K., Longaker, M. T.
2013; 24 (2): 344-345
- **Effective Delivery of Stem Cells Using an Extracellular Matrix Patch Results in Increased Cell Survival and Proliferation and Reduced Scarring in Skin Wound Healing** *TISSUE ENGINEERING PART A*
Lam, M. T., Nauta, A., Meyer, N. P., Wu, J. C., Longaker, M. T.
2013; 19 (5-6): 738-747
- **Commentary on the differential healing capacity of calvarial bone.** *journal of craniofacial surgery*
Lo, D. D., McArdle, A., Senarath-Yapa, K., Longaker, M. T.
2013; 24 (2): 344-345
- **Effective Delivery of Stem Cells Using an Extracellular Matrix Patch Results in Increased Cell Survival and Proliferation and Reduced Scarring in Skin Wound Healing** *TISSUE ENGINEERING PART A*
Lam, M. T., Nauta, A., Meyer, N. P., Wu, J. C., Longaker, M. T.
2013; 19 (5-6): 738-747
- **Adipose-derived Stromal Cells Overexpressing Vascular Endothelial Growth Factor Accelerate Mouse Excisional Wound Healing** *MOLECULAR THERAPY*
Nauta, A., Seidel, C., Deveza, L., Montoro, D., Grova, M., Ko, S. H., Hyun, J., Gurtner, G. C., Longaker, M. T., Yang, F.
2013; 21 (2): 445-455
- **Discussion: A report of the ASPS Task Force on regenerative medicine: opportunities for plastic surgery.** *Plastic and reconstructive surgery*
McArdle, A., Lo, D. D., Hyun, J. S., Senarath-Yapa, K., Chung, M. T., Wan, D. C., Longaker, M. T.
2013; 131 (2): 400-403
- **The Seed and the Soil Optimizing Stem Cells and Their Environment for Tissue Regeneration** *ANNALS OF PLASTIC SURGERY*
Hyun, J. S., Montoro, D. T., Lo, D. D., Flynn, R. A., Wong, V., Chung, M. T., Longaker, M. T., Wan, D. C.
2013; 70 (2): 235-239
- **Abnormal Calcium Handling Properties Underlie Familial Hypertrophic Cardiomyopathy Pathology in Patient-Specific Induced Pluripotent Stem Cells** *CELL STEM CELL*
Lan, F., Lee, A. S., Liang, P., Sanchez-Freire, V., Nguyen, P. K., Wang, L., Han, L., Yen, M., Wang, Y., Sun, N., Abilez, O. J., Hu, S., Ebert, et al
2013; 12 (1): 101-113
- **Evidence that mast cells are not required for healing of splinted cutaneous excisional wounds in mice.** *PLoS one*
Nauta, A. C., Grova, M., Montoro, D. T., Zimmermann, A., Tsai, M., Gurtner, G. C., Galli, S. J., Longaker, M. T.
2013; 8 (3)

- **STEM CELL-BASED BIOENGINEERING OF CRANIOFACIAL BONE** *STEM CELLS IN CRANIOFACIAL DEVELOPMENT AND REGENERATION*
Lo, D. D., Montoro, D. T., Grova, M., Hyun, J. S., Chung, M. T., Wan, D. C., Longaker, M. T.
edited by Huang, G. T., Thesleff
2013: 379–94
- **Murine models of human wound healing.** *Methods in molecular biology (Clifton, N.J.)*
Chen, J. S., Longaker, M. T., Gurtner, G. C.
2013; 1037: 265-274
- **Adult stem cells in small animal wound healing models.** *Methods in molecular biology (Clifton, N.J.)*
Nauta, A. C., Gurtner, G. C., Longaker, M. T.
2013; 1037: 81-98
- **Absence of endochondral ossification and craniosynostosis in posterior frontal cranial sutures of axin2(-/-) mice.** *PloS one*
Behr, B., Longaker, M. T., Quarto, N.
2013; 8 (8)
- **In vivo directed differentiation of pluripotent stem cells for skeletal regeneration** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Levi, B., Hyun, J. S., Montoro, D. T., Lo, D. D., Chan, C. K., Hu, S., Sun, N., Lee, M., Grova, M., Connolly, A. J., Wu, J. C., Gurtner, G. C., Weissman, et al
2012; 109 (50): 20379-20384
- **Femtosecond plasma mediated laser ablation has advantages over mechanical osteotomy of cranial bone** *LASERS IN SURGERY AND MEDICINE*
Lo, D. D., Mackanos, M. A., Chung, M. T., Hyun, J. S., Montoro, D. T., Grova, M., Liu, C., Wang, J., Palanker, D., Connolly, A. J., Longaker, M. T., Contag, C. H., Wan, et al
2012; 44 (10): 805-814
- **Exogenous Activation of BMP-2 Signaling Overcomes TGF beta-Mediated Inhibition of Osteogenesis in Marfan Embryonic Stem Cells and Marfan Patient-Specific Induced Pluripotent Stem Cells** *STEM CELLS*
Quarto, N., Li, S., Renda, A., Longaker, M. T.
2012; 30 (12): 2709-2719
- **Introduction: Wound repair** *SEMINARS IN CELL & DEVELOPMENTAL BIOLOGY*
Longaker, M. T.
2012; 23 (9): 945-945
- **Soft tissue mechanotransduction in wound healing and fibrosis** *SEMINARS IN CELL & DEVELOPMENTAL BIOLOGY*
Wong, V. W., Longaker, M. T., Gurtner, G. C.
2012; 23 (9): 981-986
- **Comparison of several attachment methods for human iPS, embryonic and adipose-derived stem cells for tissue engineering** *JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE*
Lam, M. T., Longaker, M. T.
2012; 6: s80-s86
- **Microfluidic Single Cell Analysis Shows Porcine Induced Pluripotent Stem Cell-Derived Endothelial Cells Improve Myocardial Function by Paracrine Activation**
Gu, M., Nguyen, P., Hu, S., Plews, J. R., Lee, A. S., Huber, B. C., Lee, W., Gong, Y., Almeida, P. E., Connolly, A., Robbins, R. C., Longaker, M. T., Wu, et al
LIPPINCOTT WILLIAMS & WILKINS.2012
- **Models of cranial suture biology.** *journal of craniofacial surgery*
Grova, M., Lo, D. D., Montoro, D., Hyun, J. S., Chung, M. T., Wan, D. C., Longaker, M. T.
2012; 23 (7): 1954-1958
- **Models of Cranial Suture Biology** *JOURNAL OF CRANIOFACIAL SURGERY*
Grova, M., Lo, D. D., Montoro, D., Hyun, J. S., Chung, M. T., Wan, D. C., Longaker, M. T.
2012; 23: 1954-1958

- **Pierre Robin Sequence and Treacher Collins Hypoplastic Mandible Comparison Using Three-Dimensional Morphometric Analysis** *JOURNAL OF CRANIOFACIAL SURGERY*
Chung, M. T., Levi, B., Hyun, J. S., Lo, D. D., Montoro, D. T., Lisiecki, J., Bradley, J. P., Buchman, S. R., Longaker, M. T., Wan, D. C.
2012; 23: 1959-1963
- **Pierre Robin sequence and Treacher Collins hypoplastic mandible comparison using three-dimensional morphometric analysis.** *journal of craniofacial surgery*
Chung, M. T., Levi, B., Hyun, J. S., Lo, D. D., Montoro, D. T., Lisiecki, J., Bradley, J. P., Buchman, S. R., Longaker, M. T., Wan, D. C.
2012; 23 (7): 1959-1963
- **Craniosynostosis: Molecular pathways and future pharmacologic therapy.** *Organogenesis*
Senarath-Yapa, K., Chung, M. T., McArdle, A., Wong, V. W., Quarto, N., Longaker, M. T., Wan, D. C.
2012; 8 (4)
- **Repair of a Critical-sized Calvarial Defect Model Using Adipose-derived Stromal Cells Harvested from Lipoaspirate** *JOVE-JOURNAL OF VISUALIZED EXPERIMENTS*
Lo, D. D., Hyun, J. S., Chung, M. T., Montoro, D. T., Zimmermann, A., Grova, M. M., Lee, M., Wan, D. C., Longaker, M. T.
2012
- **Craniosynostosis Molecular pathways and future pharmacologic therapy** *ORGANOGENESIS*
Senarath-Yapa, K., Chung, M. T., McArdle, A., Wong, V. W., Quarto, N., Longaker, M. T., Wan, D. C.
2012; 8 (4): 103-113
- **Regenerative Surgery: Tissue Engineering in General Surgical Practice** *WORLD JOURNAL OF SURGERY*
Wong, V. W., Wan, D. C., Gurtner, G. C., Longaker, M. T.
2012; 36 (10): 2288-2299
- **Microfluidic Single-Cell Analysis Shows That Porcine Induced Pluripotent Stem Cell-Derived Endothelial Cells Improve Myocardial Function by Paracrine Activation** *CIRCULATION RESEARCH*
Gu, M., Nguyen, P. K., Lee, A. S., Xu, D., Hu, S., Plews, J. R., Han, L., Huber, B. C., Lee, W. H., Gong, Y., de Almeida, P. E., Lyons, J., Ikeno, et al
2012; 111 (7): 882-893
- **Scarless fetal skin wound healing update** *BIRTH DEFECTS RESEARCH PART C-EMBRYO TODAY-REVIEWS*
Lo, D. D., Zimmermann, A. S., Nauta, A., Longaker, M. T., Lorenz, H. P.
2012; 96 (3): 237-247
- **Fetal Mouse Skin Heals Scarlessly in a Chick Chorioallantoic Membrane Model System** *ANNALS OF PLASTIC SURGERY*
Carre, A. L., Larson, B. J., Knowles, J. A., Kawai, K., Longaker, M. T., Lorenz, H. P.
2012; 69 (1): 85-90
- **Large animal induced pluripotent stem cells as pre-clinical models for studying human disease** *JOURNAL OF CELLULAR AND MOLECULAR MEDICINE*
Plews, J. R., Gu, M., Longaker, M. T., Wu, J. C.
2012; 16 (6): 1196-1202
- **Craniofacial Reconstruction With Induced Pluripotent Stem Cells** *JOURNAL OF CRANIOFACIAL SURGERY*
Wan, D. C., Wong, V. W., Longaker, M. T.
2012; 23 (3): 623-626
- **Rethinking the Blastema** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Hyun, J. S., Chung, M. T., Wong, V. W., Montoro, D., Longaker, M. T., Wan, D. C.
2012; 129 (5): 1097-1103
- **A Comparative Analysis of the Osteogenic Effects of BMP-2, FGF-2, and VEGFA in a Calvarial Defect Model** *TISSUE ENGINEERING PART A*
Behr, B., Sorkin, M., Lehnhardt, M., Renda, A., Longaker, M. T., Quarto, N.
2012; 18 (9-10): 1079-1086
- **Patient-Specific Induced Pluripotent Stem Cells as a Model for Familial Dilated Cardiomyopathy** *SCIENCE TRANSLATIONAL MEDICINE*
Sun, N., Yazawa, M., Liu, J., Han, L., Sanchez-Freire, V., Abilez, O. J., Navarrete, E. G., Hu, S., Wang, L., Lee, A., Pavlovic, A., Lin, S., Chen, et al
2012; 4 (130)

- **Training the Contemporary Surgeon-Scientist** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Wan, D. C., Wang, K. C., Longaker, M. T.
2012; 129 (4): 1023-1025
- **Delivery Strategies for Stem Cell-Based Therapy** *JOURNAL OF HEALTHCARE ENGINEERING*
Glotzbach, J. P., Wong, V. W., Levi, B., Longaker, M. T., Gurtner, G. C.
2012; 3 (1): 1-20
- **The angiogenic factor Dell prevents apoptosis of endothelial cells through integrin binding** *SURGERY*
Wang, Z., Kundu, R. K., Longaker, M. T., Quertermous, T., Yang, G. P.
2012; 151 (2): 296-305
- **Skeletogenic phenotype of human Marfan embryonic stem cells faithfully phenocopied by patient-specific induced-pluripotent stem cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Quarto, N., Leonard, B., Li, S., Marchand, M., Anderson, E., Behr, B., Francke, U., Reijo-Pera, R., Chiao, E., Longaker, M. T.
2012; 109 (1): 215-220
- **Enhancement of Human Adipose-Derived Stromal Cell Angiogenesis through Knockdown of a BMP-2 Inhibitor** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Levi, B., Nelson, E. R., Hyun, J. S., Glotzbach, J. P., Li, S., Nauta, A., Montoro, D. T., Lee, M., Commons, G. C., Hu, S., Wu, J. C., Gurtner, G. C., Longaker, et al
2012; 129 (1): 53-66
- **Focal adhesion kinase links mechanical force to skin fibrosis via inflammatory signaling** *NATURE MEDICINE*
Wong, V. W., Rustad, K. C., Akaishi, S., Sorkin, M., Glotzbach, J. P., Januszzyk, M., Nelson, E. R., Levi, K., Paterno, J., Vial, I. N., Kuang, A. A., Longaker, M. T., Gurtner, et al
2012; 18 (1): 148-152
- **Stem cell niches for skin regeneration.** *International journal of biomaterials*
Wong, V. W., Levi, B., Rajadas, J., Longaker, M. T., Gurtner, G. C.
2012; 2012: 926059-?
- **Enhancement of mesenchymal stem cell angiogenic capacity and stemness by a biomimetic hydrogel scaffold** *BIOMATERIALS*
Rustad, K. C., Wong, V. W., Sorkin, M., Glotzbach, J. P., Major, M. R., Rajadas, J., Longaker, M. T., Gurtner, G. C.
2012; 33 (1): 80-90
- **Focal adhesion kinase links mechanical force to skin fibrosis via inflammatory signaling.** *Nature medicine*
Wong, V. W., Rustad, K. C., Akaishi, S., Sorkin, M., Glotzbach, J. P., Januszzyk, M., Nelson, E. R., Levi, K., Paterno, J., Vial, I. N., Kuang, A. A., Longaker, M. T., Gurtner, et al
2012; 18 (1): 148-152
- **Craniofacial Surgery: Innovation, Design, and Strategy** *JOURNAL OF CRANIOFACIAL SURGERY*
Warren, S. M., Longaker, M. T.
2012; 23 (1): 7-7
- **Cranial Suture Biology: From Pathways to Patient Care** *JOURNAL OF CRANIOFACIAL SURGERY*
Levi, B., Wan, D. C., Wong, V. W., Nelson, E., Hyun, J., Longaker, M. T.
2012; 23 (1): 13-19
- **Repair of a critical-sized calvarial defect model using adipose-derived stromal cells harvested from lipoaspirate.** *Journal of visualized experiments : JoVE*
Lo, D. D., Hyun, J. S., Chung, M. T., Montoro, D. T., Zimmermann, A., Grova, M. M., Lee, M., Wan, D. C., Longaker, M. T.
2012
- **Stem Cells: Update and Impact on Craniofacial Surgery** *JOURNAL OF CRANIOFACIAL SURGERY*
Levi, B., Glotzbach, J. P., Wong, V. W., Nelson, E. R., Hyun, J., Wan, D. C., Gurtner, G. C., Longaker, M. T.
2012; 23 (1): 319-322
- **Nonintegrating Knockdown and Customized Scaffold Design Enhances Human Adipose-Derived Stem Cells in Skeletal Repair** *STEM CELLS*

- Levi, B., Hyun, J. S., Nelson, E. R., Li, S., Montoro, D. T., Wan, D. C., Jia, F. J., Glotzbach, J. C., James, A. W., Lee, M., Huang, M., Quarto, N., Gurtner, et al
2011; 29 (12): 2018-2029
- **Mechanical force prolongs acute inflammation via T-cell-dependent pathways during scar formation** *FASEB JOURNAL*
Wong, V. W., Paterno, J., Sorkin, M., Glotzbach, J. P., Levi, K., Januszyk, M., Rustad, K. C., Longaker, M. T., Gurtner, G. C.
2011; 25 (12): 4498-4510
 - **Antimycotic Ciclopirox Olamine in the Diabetic Environment Promotes Angiogenesis and Enhances Wound Healing** *PLOS ONE*
Ko, S. H., Nauta, A., Morrison, S. D., Zhou, H., Zimmermann, A., Gurtner, G. C., Ding, S., Longaker, M. T.
2011; 6 (11)
 - **CD105 Protein Depletion Enhances Human Adipose-derived Stromal Cell Osteogenesis through Reduction of Transforming Growth Factor beta 1 (TGF-beta 1) Signaling** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Levi, B., Wan, D. C., Glotzbach, J. P., Hyun, J., Januszyk, M., Montoro, D., Sorkin, M., James, A. W., Nelson, E. R., Li, S., Quarto, N., Lee, M., Gurtner, et al
2011; 286 (45): 39497-39509
 - **Pullulan Hydrogels Improve Mesenchymal Stem Cell Delivery into High-Oxidative-Stress Wounds** *MACROMOLECULAR BIOSCIENCE*
Wong, V. W., Rustad, K. C., Glotzbach, J. P., Sorkin, M., Inayathullah, M., Major, M. R., Longaker, M. T., Rajadas, J., Gurtner, G. C.
2011; 11 (11): 1458-1466
 - **Calcium-Based Nanoparticles Accelerate Skin Wound Healing** *PLOS ONE*
Kawai, K., Larson, B. J., Ishise, H., Carre, A. L., Nishimoto, S., Longaker, M., Lorenz, H. P.
2011; 6 (11)
 - **Pushing Back: Wound Mechanotransduction in Repair and Regeneration** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Wong, V. W., Akaishi, S., Longaker, M. T., Gurtner, G. C.
2011; 131 (11): 2186-2196
 - **Role of GSK-3 beta in the Osteogenic Differentiation of Palatal Mesenchyme** *PLOS ONE*
Nelson, E. R., Levi, B., Sorkin, M., James, A. W., Liu, K. J., Quarto, N., Longaker, M. T.
2011; 6 (10)
 - **Indian Hedgehog Positively Regulates Calvarial Ossification and Modulates Bone Morphogenetic Protein Signaling** *GENESIS*
Lenton, K., James, A. W., Manu, A., Brugmann, S. A., Birker, D., Nelson, E. R., Leucht, P., Helms, J. A., Longaker, M. T.
2011; 49 (10): 784-796
 - **Palatogenesis Engineering, pathways and pathologies** *ORGANOGENESIS*
Levi, B., Brugman, S., Wong, V. W., Grova, M., Longaker, M. T., Wan, D. C.
2011; 7 (4): 242-254
 - **Preclinical Derivation and Imaging of Autologously Transplanted Canine Induced Pluripotent Stem Cells** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Lee, A. S., Xu, D., Plews, J. R., Nguyen, P. K., Nag, D., Lyons, J. K., Han, L., Hu, S., Lan, F., Liu, J., Huang, M., Narsinh, K. H., Long, et al
2011; 286 (37): 32697-32704
 - **Wound healing and regenerative strategies** *ORAL DISEASES*
Nauta, A., Gurtner, G. C., Longaker, M. T.
2011; 17 (6): 541-549
 - **Recommendations on clinical proof of efficacy for potential scar prevention and reduction therapies** *WOUND REPAIR AND REGENERATION*
Bush, J. A., McGrouther, D. A., Young, V. L., Herndon, D. N., Longaker, M. T., Mustoe, T. A., Ferguson, M. W.
2011; 19: S32-S37
 - **Commentary on Role of Apoptosis in Retinoic Acid-Induced Cleft Palate** *JOURNAL OF CRANIOFACIAL SURGERY*
Nelson, E. R., Levi, B., Longaker, M. T.
2011; 22 (5): 1572-1573
 - **Vascular anastomosis using controlled phase transitions in poloxamer gels** *NATURE MEDICINE*

- Chang, E. I., Galvez, M. G., Glotzbach, J. P., Hamou, C. D., El-Ftesi, S., Rappleye, C. T., Sommer, K., Rajadas, J., Abilez, O. J., Fuller, G. G., Longaker, M. T., Gurtner, G. C.
2011; 17 (9): 1147-U160
- **Germ-layer and lineage-restricted stem/progenitors regenerate the mouse digit tip** *NATURE*
Rinkevich, Y., Lindau, P., Ueno, H., Longaker, M. T., Weissman, I. L.
2011; 476 (7361): 409-U53
 - **Differences in Osteogenic Differentiation of Adipose-Derived Stromal Cells from Murine, Canine, and Human Sources In Vitro and In Vivo** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Levi, B., Nelson, E. R., Brown, K., James, A. W., Xu, D., Dunlevie, R., Wu, J. C., Lee, M., Wu, B., Commons, G. W., Vistnes, D., Longaker, M. T.
2011; 128 (2): 373-386
 - **Improving Cutaneous Scar Formation by Controlling the Mechanical Environment Large Animal and Phase I Studies** *ANNALS OF SURGERY*
Gurtner, G. C., Dauskardt, R. H., Wong, V. W., Bhatt, K. A., Wu, K., Vial, I. N., Padois, K., Korman, J. M., Longaker, M. T.
2011; 254 (2): 217-225
 - **Dura Mater Stimulates Human Adipose-Derived Stromal Cells to Undergo Bone Formation in Mouse Calvarial Defects** *STEM CELLS*
Levi, B., Nelson, E. R., Li, S., James, A. W., Hyun, J. S., Montoro, D. T., Lee, M., Glotzbach, J. P., Commons, G. W., Longaker, M. T.
2011; 29 (8): 1241-1255
 - **Fgf-18 Is Required for Osteogenesis But Not Angiogenesis During Long Bone Repair** *TISSUE ENGINEERING PART A*
Behr, B., Sorkin, M., Manu, A., Lehnhardt, M., Longaker, M. T., Quarto, N.
2011; 17 (15-16): 2061-2069
 - **An Information Theoretic, Microfluidic-Based Single Cell Analysis Permits Identification of Subpopulations among Putatively Homogeneous Stem Cells** *PLOS ONE*
Glotzbach, J. P., Januszzyk, M., Vial, I. N., Wong, V. W., Gelbard, A., Kalisky, T., Thangarajah, H., Longaker, M. T., Quake, S. R., Chu, G., Gurtner, G. C.
2011; 6 (6)
 - **Unfolded Protein Response Regulation in Keloid Cells** *JOURNAL OF SURGICAL RESEARCH*
Butler, P. D., Wang, Z., Ly, D. P., Longaker, M. T., Koong, A. C., Yang, G. P.
2011; 167 (1): 151-157
 - **Integrating Cultural Competency and Humility Training into Clinical Clerkships: Surgery as a Model** *JOURNAL OF SURGICAL EDUCATION*
Butler, P. D., Swift, M., Kothari, S., Nazeeri-Simmons, I., Friel, C. M., Longaker, M. T., Britt, L. D.
2011; 68 (3): 222-230
 - **Engineered epidermal growth factor mutants with faster binding on-rates correlate with enhanced receptor activation** *FEBS LETTERS*
Lahti, J. L., Lui, B. H., Beck, S. E., Lee, S. S., Ly, D. P., Longaker, M. T., Yang, G. P., Cochran, J. R.
2011; 585 (8): 1135-1139
 - **Concise Review: Adipose-Derived Stromal Cells for Skeletal Regenerative Medicine** *STEM CELLS*
Levi, B., Longaker, M. T.
2011; 29 (4): 576-582
 - **Chemical Control of FGF-2 Release for Promoting Calvarial Healing with Adipose Stem Cells** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Kwan, M. D., Sellmyer, M. A., Quarto, N., Ho, A. M., Wandless, T. J., Longaker, M. T.
2011; 286 (13): 11307-11313
 - **Research Training in Plastic Surgery** *JOURNAL OF CRANIOFACIAL SURGERY*
Levi, B., Longaker, M. T.
2011; 22 (2): 383-384
 - **Studies in Adipose-Derived Stromal Cells: Migration and Participation in Repair of Cranial Injury after Systemic Injection** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Levi, B., James, A. W., Nelson, E. R., Hu, S., Sun, N., Peng, M., Wu, J., Longaker, M. T.
2011; 127 (3): 1130-1140

- **Osteogenic Differentiation of Adipose-Derived Stromal Cells in Mouse and Human: In Vitro and In Vivo Methods** *JOURNAL OF CRANIOFACIAL SURGERY*
Levi, B., Longaker, M. T.
2011; 22 (2): 388-391
- **Role of Indian Hedgehog Signaling in Palatal Osteogenesis** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Levi, B., James, A. W., Nelson, E. R., Bruggmann, S. A., Sorkin, M., Manu, A., Longaker, M. T.
2011; 127 (3): 1182-1190
- **Acute Skeletal Injury Is Necessary for Human Adipose-Derived Stromal Cell-Mediated Calvarial Regeneration** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Levi, B., James, A. W., Nelson, E. R., Peng, M., Wan, D. C., Commons, G. W., Lee, M., Wu, B., Longaker, M. T.
2011; 127 (3): 1118-1129
- **In brief: Regenerative medicine. Current problems in surgery**
Glotzbach, J. P., Wong, V. W., Gurtner, G. C., Longaker, M. T.
2011; 48 (3): 142-146
- **Deleterious Effects of Freezing on Osteogenic Differentiation of Human Adipose-Derived Stromal Cells In Vitro and In Vivo** *STEM CELLS AND DEVELOPMENT*
James, A. W., Levi, B., Nelson, E. R., Peng, M., Commons, G. W., Lee, M., Wu, B., Longaker, M. T.
2011; 20 (3): 427-439
- **Regenerative Medicine** *CURRENT PROBLEMS IN SURGERY*
Glotzbach, J. P., Wong, V. W., Gurtner, G. C., Longaker, M. T.
2011; 48 (3): 148-212
- **Engineered Pullulan-Collagen Composite Dermal Hydrogels Improve Early Cutaneous Wound Healing** *TISSUE ENGINEERING PART A*
Wong, V. W., Rustad, K. C., Galvez, M. G., Neofytou, E., Glotzbach, J. P., Januszzyk, M., Major, M. R., Sorkin, M., Longaker, M. T., Rajadas, J., Gurtner, G. C.
2011; 17 (5-6): 631-644
- **Elastic Properties of Induced Pluripotent Stem Cells** *TISSUE ENGINEERING PART A*
Hammerick, K. E., Huang, Z., Sun, N., Lam, M. T., Prinz, F. B., Wu, J. C., Commons, G. W., Longaker, M. T.
2011; 17 (3-4): 495-502
- **Human Adipose-Derived Stromal Cells Stimulate Autogenous Skeletal Repair via Paracrine Hedgehog Signaling with Calvarial Osteoblasts** *STEM CELLS AND DEVELOPMENT*
Levi, B., James, A. W., Nelson, E. R., Li, S., Peng, M., Commons, G. W., Lee, M., Wu, B., Longaker, M. T.
2011; 20 (2): 243-257
- **Locally Applied Vascular Endothelial Growth Factor A Increases the Osteogenic Healing Capacity of Human Adipose-Derived Stem Cells by Promoting Osteogenic and Endothelial Differentiation** *STEM CELLS*
Behr, B., Tang, C., Germann, G., Longaker, M. T., Quarto, N.
2011; 29 (2): 286-296
- **Differential Expression of Sclerostin in Adult and Juvenile Mouse Calvariae** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Kwan, M. D., Quarto, N., Gupta, D. M., Slater, B. J., Wan, D. C., Longaker, M. T.
2011; 127 (2): 595-602
- **Generation of adult human induced pluripotent stem cells using nonviral minicircle DNA vectors** *NATURE PROTOCOLS*
Narsinh, K. H., Jia, F., Robbins, R. C., Kay, M. A., Longaker, M. T., Wu, J. C.
2011; 6 (1): 78-88
- **John Locke's Monetary Argument: An Analysis with Methodological and Historical Implications** *RHETORIC SOCIETY QUARTERLY*
Longaker, M. G.
2011; 41 (2): 125-144
- **Craniosynostosis of coronal suture in Twist1(+/-) mice occurs through endochondral ossification recapitulating the physiological closure of posterior frontal suture** *FRONTIERS IN PHYSIOLOGY*
Behr, B., Longaker, M. T., Quarto, N.

2011; 2

- **Salvage of the Crucified Chin** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Wan, D. C., Longaker, M. T., Allam, K. A., Perry, A., Kawamoto, H. K.
2011; 127 (1): 352-354
- **Osteogenic differentiation of human multipotent mesenchymal stromal cells.** *Methods in molecular biology (Clifton, N.J.)*
Gupta, D. M., Panetta, N. J., Longaker, M. T.
2011; 698: 201-214
- **Craniosynostosis of coronal suture in twist1 mice occurs through endochondral ossification recapitulating the physiological closure of posterior frontal suture.** *Frontiers in physiology*
Behr, B., Longaker, M. T., Quarto, N.
2011; 2: 37-?
- **The Role of Stem Cells in Cutaneous Wound Healing: What Do We Really Know?** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Ko, S. H., Nauta, A., Wong, V., Glotzbach, J., Gurtner, G. C., Longaker, M. T.
2011; 127 (1): 10S-20S
- **Surgical Approaches to Create Murine Models of Human Wound Healing** *JOURNAL OF BIOMEDICINE AND BIOTECHNOLOGY*
Wong, V., Sorkin, M., Glotzbach, J. P., Longaker, M. T., Gurtner, G. C.
2011
- **Diathermy or Surgical Scalpel for Abdominal Skin Incisions What Is the Impact On Clinical Practice?** *ANNALS OF SURGERY*
Longaker, M. T., Gurtner, G. C.
2011; 253 (1): 14-15
- **Deformational Plagiocephaly: A Look Into the Future** *JOURNAL OF CRANIOFACIAL SURGERY*
Levi, B., Wan, D. C., Longaker, M. T., Habal, M. B.
2011; 22 (1): 3-5
- **Meta Analysis of the Effectiveness of Surgical Scalpel or Diathermy in Making Abdominal Skin Incisions.** *Annals of surgery*
Longaker, M. T., Gurtner, G. C.
2010
- **Basic Science Review on Adipose Tissue for Clinicians** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Brown, S. A., Levi, B., Lequex, C., Wong, V. W., Mojallal, A., Longaker, M. T.
2010; 126 (6): 1936-1946
- **Activation of FGF Signaling Mediates Proliferative and Osteogenic Differences between Neural Crest Derived Frontal and Mesoderm Parietal Derived Bone** *PLOS ONE*
Li, S., Quarto, N., Longaker, M. T.
2010; 5 (11)
- **The basic science of vascular biology: implications for the practicing surgeon.** *Plastic and reconstructive surgery*
Glotzbach, J. P., Levi, B., Wong, V. W., Longaker, M. T., Gurtner, G. C.
2010; 126 (5): 1528-1538
- **The Basic Science of Vascular Biology: Implications for the Practicing Surgeon** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Glotzbach, J. P., Levi, B., Wong, V. W., Longaker, M. T., Gurtner, G. C.
2010; 126 (5): 1527-1537
- **Scarless Fetal Wound Healing: A Basic Science Review** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Larson, B. J., Longaker, M. T., Lorenz, H. P.
2010; 126 (4): 1172-1180
- **The Diverse Surgeons Initiative: An Effective Method for Increasing the Number of Under-represented Minorities in Academic Surgery** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
Butler, P. D., Britt, L. D., Green, M. L., Longaker, M. T., Geis, W. P., Franklin, M. E., Ruhalter, A., Fullum, T. M.
2010; 211 (4): 561-566

- **Opposite Spectrum of Activity of Canonical Wnt Signaling in the Osteogenic Context of Undifferentiated and Differentiated Mesenchymal Cells: Implications for Tissue Engineering** *TISSUE ENGINEERING PART A*
Quarto, N., Behr, B., Longaker, M. T.
2010; 16 (10): 3185-3197
- **Stem Cells** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Behr, B., Ko, S. H., Wong, V. W., Gurtner, G. C., Longaker, M. T.
2010; 126 (4): 1163-1171
- **Depot-Specific Variation in the Osteogenic and Adipogenic Potential of Human Adipose-Derived Stromal Cells** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Levi, B., James, A. W., Glotzbach, J. P., Wan, D. C., Commons, G. W., Longaker, M. T.
2010; 126 (3): 822-834
- **Mechanical modulation of inflammation and skin fibrosis through CD4+T cell signaling**
Wong, V. W., Glotzbach, J. P., Paterno, J., Rustad, K. C., Sorkin, M., Major, M. R., Vial, I. N., Longaker, M. T., Gurtner, G. C.
ELSEVIER SCIENCE INC.2010: S77
- **Discussion: Hes1 is required for the development of craniofacial structures derived from ectomesenchymal neural crest cells.** *journal of craniofacial surgery*
Levi, B., Brugmann, S., Longaker, M. T.
2010; 21 (5): 1450-1451
- **Tissue Engineering in Plastic Surgery: A Review** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Wong, V. W., Rustad, K. C., Longaker, M. T., Gurtner, G. C.
2010; 126 (3): 858-868
- **Paracrine Interaction between Adipose-Derived Stromal Cells and Cranial Suture-Derived Mesenchymal Cells** *PLASTIC AND RECONSTRUCTIVE SURGERY*
James, A. W., Levi, B., Commons, G. W., Glotzbach, J., Longaker, M. T.
2010; 126 (3): 806-821
- **Hes1 Is Required for the Development of Craniofacial Structures Derived From Ectomesenchymal Neural Crest Cells**
DISCUSSION *JOURNAL OF CRANIOFACIAL SURGERY*
Levi, B., Brugmann, S., Longaker, M. T.
2010; 21 (5): 1450-1451
- **So You Want to Be an Innovator?** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Rohrich, R. J., Rosen, J., Longaker, M. T.
2010; 126 (3): 1107-1109
- **Differential activation of canonical Wnt signaling determines cranial sutures fate: A novel mechanism for sagittal suture craniosynostosis** *DEVELOPMENTAL BIOLOGY*
Behr, B., Longaker, M. T., Quarto, N.
2010; 344 (2): 922-940
- **Divergent Modulation of Adipose-Derived Stromal Cell Differentiation by TGF-beta 1 Based on Species of Derivation** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Levi, B., James, A. W., Xu, Y., Commons, G. W., Longaker, M. T.
2010; 126 (2): 412-425
- **Different endogenous threshold levels of Fibroblast Growth Factor-ligands determine the healing potential of frontal and parietal bones** *BONE*
Behr, B., Panetta, N. J., Longaker, M. T., Quarto, N.
2010; 47 (2): 281-294
- **Sonic Hedgehog Influences the Balance of Osteogenesis and Adipogenesis in Mouse Adipose-Derived Stromal Cells** *TISSUE ENGINEERING PART A*
James, A. W., Leucht, P., Levi, B., Carre, A. L., Xu, Y., Helms, J. A., Longaker, M. T.
2010; 16 (8): 2605-2616

- **Origin Matters: Differences in Embryonic Tissue Origin and Wnt Signaling Determine the Osteogenic Potential and Healing Capacity of Frontal and Parietal Calvarial Bones** *JOURNAL OF BONE AND MINERAL RESEARCH*
Quarto, N., Wan, D. C., Kwan, M. D., Panetta, N. J., Li, S., Longaker, M. T.
2010; 25 (7): 1680-1694
- **Human melanoma-initiating cells express neural crest nerve growth factor receptor CD271** *NATURE*
Boiko, A. D., Razorenova, O. V., van de Rijn, M., Swetter, S. M., Johnson, D. L., Ly, D. P., Butler, P. D., Yang, G. P., Joshua, B., Kaplan, M. J., Longaker, M. T., Weissman, I. L.
2010; 466 (7302): 133-U155
- **Regulation of Human Adipose-Derived Stromal Cell Osteogenic Differentiation by Insulin-Like Growth Factor-1 and Platelet-Derived Growth Factor-alpha** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Levi, B., James, A. W., Wan, D. C., Glotzbach, J. P., Commons, G. W., Longaker, M. T.
2010; 126 (1): 41-52
- **Strategies for organ level tissue engineering** *ORGANOGENESIS*
Rustad, K. C., Sorkin, M., Levi, B., Longaker, M. T., Gurtner, G. C.
2010; 6 (3): 151-157
- **Elucidating Mechanisms of Osteogenesis in Human Adipose-Derived Stromal Cells via Microarray Analysis** *JOURNAL OF CRANIOFACIAL SURGERY*
Lee, J., Gupta, D., Panetta, N. J., Levi, B., James, A. W., Wan, D., Commons, G. W., Longaker, M. T.
2010; 21 (4): 1136-1141
- **Fgf-9 is required for angiogenesis and osteogenesis in long bone repair** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Behr, B., Leucht, P., Longaker, M. T., Quarto, N.
2010; 107 (26): 11853-11858
- **Connective Tissue Growth Factor in Regulation of RhoA Mediated Cytoskeletal Tension Associated Osteogenesis of Mouse Adipose-Derived Stromal Cells** *PLOS ONE*
Xu, Y., Wagner, D. R., Bekerman, E., Chiou, M., James, A. W., Carter, D., Longaker, M. T.
2010; 5 (6)
- **In vitro effects of direct current electric fields on adipose-derived stromal cells** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Hammerick, K. E., Longaker, M. T., Prinz, F. B.
2010; 397 (1): 12-17
- **Human Adipose Derived Stromal Cells Heal Critical Size Mouse Calvarial Defects** *PLOS ONE*
Levi, B., James, A. W., Nelson, E. R., Vistnes, D., Wu, B., Lee, M., Gupta, A., Longaker, M. T.
2010; 5 (6)
- **Bone Regeneration and Repair** *CURRENT STEM CELL RESEARCH & THERAPY*
Panetta, N. J., Gupta, D. M., Longaker, M. T.
2010; 5 (2): 122-128
- **Retinoic Acid Enhances Osteogenesis in Cranial Suture-Derived Mesenchymal Cells: Potential Mechanisms of Retinoid-Induced Craniosynostosis** *PLASTIC AND RECONSTRUCTIVE SURGERY*
James, A. W., Levi, B., Xu, Y., Carre, A. L., Longaker, M. T.
2010; 125 (5): 1352-1361
- **Highlights of the proceedings from the 13th International Congress of the International Society of Craniofacial Surgery: ISCSF 2009.** *journal of craniofacial surgery*
Bradley, J. P., Warren, S., Longaker, M. T.
2010; 21 (3): 944-946
- **The SNaP System: Biomechanical and Animal Model Testing of a Novel Ultraportable Negative-Pressure Wound Therapy System** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Fong, K. D., Hu, D., Eichstadt, S., Gupta, D. M., Pinto, M., Gurtner, G. C., Longaker, M. T., Lorenz, H. P.
2010; 125 (5): 1362-1371

- **Commentary. *Aesthetic surgery journal***
Levi, B., Ko, S. H., Longaker, M. T.
2010; 30 (3): 387-389
- **Cyclophilin C-Associated Protein/Mac-2 Binding Protein Colocalizes With Calnexin and Regulates the Expression of Tissue Transglutaminase *JOURNAL OF CELLULAR PHYSIOLOGY***
Kong, W., Lin, B. W., Li, S., Longaker, M. T., Lorenz, H. P.
2010; 223 (1): 151-157
- **A nonviral minicircle vector for deriving human iPS cells *NATURE METHODS***
Jia, F., Wilson, K. D., Sun, N., Gupta, D. M., Huang, M., Li, Z., Panetta, N. J., Chen, Z. Y., Robbins, R. C., Kay, M. A., Longaker, M. T., Wu, J. C.
2010; 7 (3): 197-U46
- **Pulsed Direct Current Electric Fields Enhance Osteogenesis in Adipose-Derived Stromal Cells *TISSUE ENGINEERING PART A***
Hammerick, K. E., James, A. W., Huang, Z., Prinz, F. B., Longaker, M. T.
2010; 16 (3): 917-931
- **Human iPS cell-based therapy Considerations before clinical applications *CELL CYCLE***
Sun, N., Longaker, M. T., Wu, J. C.
2010; 9 (5): 880-885
- **Human Adipose-Derived Stromal Cells Respond to and Elaborate Bone Morphogenetic Protein-2 during In Vitro Osteogenic Differentiation *PLASTIC AND RECONSTRUCTIVE SURGERY***
Panetta, N. J., Gupta, D. M., Lee, J. K., Wan, D. C., Commons, G. W., Longaker, M. T.
2010; 125 (2): 483-493
- **Addressing the paucity of underrepresented minorities in academic surgery: can the "Rooney Rule" be applied to academic surgery? *AMERICAN JOURNAL OF SURGERY***
Butler, P. D., Longaker, M. T., Britt, L. D.
2010; 199 (2): 255-262
- **Regenerative medicine: a surgeon's perspective *40th Annual Meeting of the American-Pediatric-Surgical-Association***
Longaker, M. T.
W B SAUNDERS CO-ELSEVIER INC.2010: 11-18
- **From Idea to Bedside: The Process of Surgical Invention and Innovation *KEY TOPICS IN SURGICAL RESEARCH AND METHODOLOGY***
Wall, J., Gurtner, G. C., Longaker, M. T.
edited by Athanasiou, T., Debas, H., Darzi, A.
2010: 647-56
- **A Review of the Therapeutic Potential of Adipose-Derived Stem Cells *ADVANCES IN WOUND CARE, VOL 1***
Macleod, L. C., James, A. W., Carre, A. L., Longaker, M. T., Lorenz, H. P.
edited by Sen, C. K.
2010; 1: 495-501
- **Interaction of Wingless Protein (Wnt), Transforming Growth Factor-beta 1, and Hyaluronan Production in Fetal and Postnatal Fibroblasts *PLASTIC AND RECONSTRUCTIVE SURGERY***
Carre, A. L., James, A. W., Macleod, L., Kong, W., Kawai, K., Longaker, M. T., Lorenz, H. P.
2010; 125 (1): 74-88
- **Unique Modulation of Cadherin Expression Pattern during Posterior Frontal Cranial Suture Development and Closure *CELLS TISSUES ORGANS***
Sahar, D. E., Behr, B., Fong, K. D., Longaker, M. T., Quarto, N.
2010; 191 (5): 401-413
- **Inhibition of Histone Deacetylase Activity in Reduced Oxygen Environment Enhances the Osteogenesis of Mouse Adipose-Derived Stromal Cells *TISSUE ENGINEERING PART A***
Xu, Y., Hammerick, K. E., James, A. W., Carre, A. L., Leucht, P., Giaccia, A. J., Longaker, M. T.
2009; 15 (12): 3697-3707

- **Craniofacial surgery, from past pioneers to future promise.** *Journal of maxillofacial and oral surgery*
Wan, D. C., Kwan, M. D., Kumar, A., Bradley, J. P., Longaker, M. T.
2009; 8 (4): 348-356
- **TGF-beta 1 RNA Interference in Mouse Primary Dura Cell Culture: Downstream Effects on TGF Receptors, FGF-2, and FGF-R1 mRNA Levels** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Ko, S. H., Behr, B., Longaker, M. T.
2009; 124 (5): 1474-1476
- **Human skin wounds: A major and snowballing threat to public health and the economy** *WOUND REPAIR AND REGENERATION*
Sen, C. K., Gordillo, G. M., Roy, S., Kirsner, R., Lambert, L., Hunt, T. K., Gottrup, F., Gurtner, G. C., Longaker, M. T.
2009; 17 (6): 763-771
- **Discussion. TGF-beta1 RNA interference in mouse primary dura cell culture: downstream effects on TGF receptors, FGF-2, and FGF-R1 mRNA levels.** *Plastic and reconstructive surgery*
Ko, S. H., Behr, B., Longaker, M. T.
2009; 124 (5): 1474-1476
- **From Bedside to Bench and Back Again: Technology Innovation in Plastic Surgery** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Gurtner, G. C., Rohrich, R. J., Longaker, M. T.
2009; 124 (4): 1355-1356
- **Estrogen/Estrogen Receptor Alpha Signaling in Mouse Posterofrontal Cranial Suture Fusion** *PLOS ONE*
James, A. W., Theologis, A. A., Brugmann, S. A., Xu, Y., Carre, A. L., Leucht, P., Hamilton, K., Korach, K. S., Longaker, M. T.
2009; 4 (9)
- **Feeder-free derivation of induced pluripotent stem cells from adult human adipose stem cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Sun, N., Panetta, N. J., Gupta, D. M., Wilson, K. D., Lee, A., Jia, F., Hu, S., Cherry, A. M., Robbins, R. C., Longaker, M. T., Wu, J. C.
2009; 106 (37): 15720-15725
- **Bone Tissue Engineering Scaffolds of Today and Tomorrow** *DISCUSSION JOURNAL OF CRANIOFACIAL SURGERY*
Panetta, N. J., Gupta, D. M., Longaker, M. T.
2009; 20 (5): 1531-1532
- **Application of FGF-2 mimics bone healing potential of frontal bones in parietal calvarial defects by recruitment of dura mater cells**
Behr, B., Panetta, N. J., Longaker, M. T., Quarto, N.
ELSEVIER SCIENCE INC.2009: S75
- **Tissue Harvest by Means of Suction-Assisted or Third-Generation Ultrasound-Assisted Lipoaspiration Has No Effect on Osteogenic Potential of Human Adipose-Derived Stromal Cells** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Panetta, N. J., Gupta, D. M., Kwan, M. D., Wan, D. C., Commons, G. W., Longaker, M. T.
2009; 124 (1): 65-73
- **The Use of Polymer Scaffolds in Skeletal Tissue Engineering Applications** *JOURNAL OF CRANIOFACIAL SURGERY*
Gupta, D. M., Panetta, N. J., Longaker, M. T.
2009; 20 (3): 860-861
- **Pfeiffer Syndrome Twins: Despite Improved Correction in One Twin, Growth Disturbance Results in Similar Need for Subsequent Monobloc Advancement** *JOURNAL OF CRANIOFACIAL SURGERY*
Kohan, E., Longaker, M. T., Nguyen, J., Kawamoto, H., Wexler, A., Cahan, L., Katchikian, H. V., Bradley, J. P.
2009; 20 (3): 811-815
- **Ethnic Diversity Remains Scarce in Academic Plastic and Reconstructive Surgery** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Butler, P. D., Britt, L. D., Longaker, M. T.
2009; 123 (5): 1618-1627
- **Untitled** *AESTHETIC SURGERY JOURNAL*
Gupta, D. M., Panetta, N. J., Longaker, M. T.
2009; 29 (2): 147-149

- **Craniofacial Autologous Fat Transfer** *JOURNAL OF CRANIOFACIAL SURGERY*
Wan, D. C., Lim, A. T., Longaker, M. T.
2009; 20 (2): 273-274
- **Perspectives in Cell-Based Skeletal Tissue** *JOURNAL OF CRANIOFACIAL SURGERY*
Panetta, N. J., Gupta, D. M., Longaker, M. T.
2009; 20 (2): 347-348
- **Cell Permeant Peptide Analogues of the Small Heat Shock Protein, HSP20, Reduce TGF-beta 1-Induced CTGF Expression in Keloid Fibroblasts** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Lopes, L. B., Furnish, E. J., Komalavilas, P., Flynn, C. R., Ashby, P., Hansen, A., Ly, D. P., Yang, G. P., Longaker, M. T., Panitch, A., Brophy, C. M.
2009; 129 (3): 590-598
- **Mesenchymal cells for skeletal tissue engineering** *PANMINERVA MEDICA*
Panetta, N. J., Gupta, D. M., Quarto, N., Longaker, M. T.
2009; 51 (1): 25-41
- **Aging and Diabetes Impair the Neovascular Potential of Adipose-Derived Stromal Cells** *PLASTIC AND RECONSTRUCTIVE SURGERY*
El-Ftesi, S., Chang, E. I., Longaker, M. T., Gurtner, G. C.
2009; 123 (2): 475-485
- **The Role of Regional Posterior Frontal Dura Mater in the Overlying Suture Morphology** *53rd Annual Meeting of the Plastic-Surgery-Research-Council*
Slater, B. J., Kwan, M. D., Gupta, D. M., Lee, J. K., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2009: 463-69
- **Cranial Osteogenesis and Suture Morphology in Xenopus laevis: A Unique Model System for Studying Craniofacial Development** *PLOS ONE*
Slater, B. J., Liu, K. J., Kwan, M. D., Quarto, N., Longaker, M. T.
2009; 4 (1)
- **Ex vivo Model of Cranial Suture Morphogenesis and Fate** *CELLS TISSUES ORGANS*
Slater, B. J., Lenton, K. A., James, A., Longaker, M. T.
2009; 190 (6): 336-346
- **Chemical rescue of cleft palate and midline defects in conditional gsk-3beta mice** *13th International Congress of the International-Society-of-Craniofacial-Surgery / Paris Distraction Symposium*
Liu, K. J., Arron, J. R., Stankunas, K., Crabtree, G. R., Longaker, M. T.
MEDIMOND S R L.2009: 7-9
- **Genomic analysis of osteogenic differentiation of adipose-derived stromal cells** *13th International Congress of the International-Society-of-Craniofacial-Surgery / Paris Distraction Symposium*
Lee, J. K., Gupta, D. M., Panetta, N. J., Longaker, M. T.
MEDIMOND S R L.2009: 91-93
- **Rapid and efficient feeder-free generation of human adipose stromal cell-derived induced pluripotent stem cells** *13th International Congress of the International-Society-of-Craniofacial-Surgery / Paris Distraction Symposium*
Panetta, N. J., Gupta, D. M., Sun, N., Wilson, K. D., Lee, A., Jia, F., Robbins, R. C., Longaker, M. T., Wu, J. C.
MEDIMOND S R L.2009: 159-161
- **Human adipose-derived stromal cells elaborate and respond to bone morphogenetic protein-2 (bmp-2) during in vitro osteogenic differentiation** *13th International Congress of the International-Society-of-Craniofacial-Surgery / Paris Distraction Symposium*
Gupta, D. M., Panetta, N. J., Wan, D. C., Commons, G. W., Longaker, M. T.
MEDIMOND S R L.2009: 79-81
- **Tissue-harvest procedure has no effect on adipose-derived stromal cell-mediated bone tissue engineering in vitro** *13th International Congress of the International-Society-of-Craniofacial-Surgery / Paris Distraction Symposium*
Panetta, N. J., Gupta, D. M., Kwan, M. D., Wan, D. C., Commons, G. W., Longaker, M. T.
MEDIMOND S R L.2009: 163-165

- **Tissue Turnover in the *Xenopus laevis* Skull During Metamorphosis** *13th International Congress of the International-Society-of-Craniofacial-Surgery / Paris Distraction Symposium*
Slater, B., Liu, K., Kwan, M., Quarto, N., Longaker, M.
MEDIMOND S R L.2009: 5–6
- **Taz is a transcriptional modulator of human adipose-derived stromal cell differentiation towards the osteogenic lineage** *13th International Congress of the International-Society-of-Craniofacial-Surgery / Paris Distraction Symposium*
Gupta, D. M., Panetta, N. J., Vial, I. N., Lee, J. K., Wan, D. C., Gurtner, G. C., Longaker, M. T.
MEDIMOND S R L.2009: 87–89
- **Human adipose-derived stromal cells (hASCs) augment healing of critical-sized calvarial defects** *13th International Congress of the International-Society-of-Craniofacial-Surgery / Paris Distraction Symposium*
Panetta, N. J., Gupta, D. M., Lee, J. K., Gupta, A., Levi, B., Commons, G. W., Longaker, M. T.
MEDIMOND S R L.2009: 175–177
- **Regional differences in neural crest and paraxial mesoderm-derived in vivo calvarial bone healing exist and persist with age** *13th International Congress of the International-Society-of-Craniofacial-Surgery / Paris Distraction Symposium*
Panetta, N. J., Gupta, D. M., Quarto, N., Behr, B., Li, S., Kwan, M. D., Longaker, M. T.
MEDIMOND S R L.2009: 167–169
- **Cadherin-11 expression is upregulated in human adipose-derived stromal cells (hasc) over the course of osteogenic differentiation** *13th International Congress of the International-Society-of-Craniofacial-Surgery / Paris Distraction Symposium*
Gupta, D. M., Panetta, N. J., Gupta, A., Lee, J. K., Commons, G. W., Longaker, M. T.
MEDIMOND S R L.2009: 95–97
- **Connective tissue growth factor (CTGF/CCN2) and Connexin-43 (Cx43) expression are upregulated in human adipose-derived stromal cells (hASCs) over the course of osteogenic differentiation** *13th International Congress of the International-Society-of-Craniofacial-Surgery / Paris Distraction Symposium*
Panetta, N. J., Gupta, D. M., Gupta, A., Lee, J. K., Commons, G. W., Longaker, M. T.
MEDIMOND S R L.2009: 171–173
- **Differential FGF Ligands and FGF Receptors Expression Pattern in Frontal and Parietal Calvarial Bones** *CELLS TISSUES ORGANS*
Quarto, N., Behr, B., Li, S., Longaker, M. T.
2009; 190 (3): 158-169
- **Topical Lineage-Negative Progenitor-Cell Therapy for Diabetic Wounds (Invited Discussion)** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Gurtner, G. C., Longaker, M. T.
2009; 123 (1): 421-423
- **Re: Chen et al. Expression of Inducible Nitric Oxide Synthase and Vascular Endothelial Growth Factor in Ameloblastoma.** *J Craniofac Surg* **2009;20;171-175 DISCUSSION** *JOURNAL OF CRANIOFACIAL SURGERY*
Slater, B. J., Kwan, M. D., Longaker, M. T.
2009; 20 (1): 176-177
- **FETAL SKIN WOUND HEALING** *ADVANCES IN CLINICAL CHEMISTRY VOL 48*
Buchanan, E. P., Longaker, M. T., Lorenz, H. P.
2009; 48: 137-161
- **5-Fluorouracil Treatment of Problematic Scars Discussion** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Yang, G. P., Longaker, M. T.
2009; 123 (1): 149-151
- **IFATS Collection: Adipose Stromal Cells Adopt a Proangiogenic Phenotype Under the Influence of Hypoxia** *STEM CELLS*
Thangarajah, H., Vial, I. N., Chang, E., El-Ftesi, S., Januszzyk, M., Chang, E. I., Paterno, J., Neofytou, E., Longaker, M. T., Gurtner, G. C.
2009; 27 (1): 266-274
- **Differential Effects of TGF-beta 1 and TGF-beta 3 on Chondrogenesis in Posterofrontal Cranial Suture-Derived Mesenchymal Cells In Vitro** *PLASTIC AND RECONSTRUCTIVE SURGERY*
James, A. W., Xu, Y., Lee, J. K., Wang, R., Longaker, M. T.
2009; 123 (1): 31-43

- **Where Do We Find the Best Evidence? Discussion** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Butler, P. D., Longaker, M. T.
2008; 122 (6): 1950-1951
- **Gene expression analysis of Dupuytren's disease: the role of TGF-beta2.** *The Journal of hand surgery, European volume*
Zhang, A. Y., Fong, K. D., Pham, H., Nacamuli, R. P., Longaker, M. T., Chang, J.
2008; 33 (6): 783-790
- **Transforming Growth Factor-beta 1 Stimulates Chondrogenic Differentiation of Posterofrontal Suture-Derived Mesenchymal Cells In Vitro** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Xu, Y., James, A. W., Longaker, M. T.
2008; 122 (6): 1649-1659
- **GENE EXPRESSION ANALYSIS OF DUPUYTREN'S DISEASE: THE ROLE OF TGF-beta 2** *JOURNAL OF HAND SURGERY-EUROPEAN VOLUME*
Zhang, A. Y., Fong, K. D., Pham, H., Nacamuli, R. P., Longaker, M. T., Chang, J.
2008; 33E (6): 783-790
- **Differential expression of specific FGF ligands and receptor isoforms during osteogenic differentiation of mouse Adipose-derived Stem Cells (mASCs) recapitulates the in vivo osteogenic pattern** *GENE*
Quarto, N., Longaker, M. T.
2008; 424 (1-2): 130-140
- **Plastic Surgery and the Society of University Surgeons: An Expanding Relationship** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Longaker, M. T.
2008; 122 (5): 1581-1582
- **Major Deficit in the Number of Underrepresented Minority Academic Surgeons Persists** *ANNALS OF SURGERY*
Butler, P. D., Longaker, M. T., Britt, L. D.
2008; 248 (5): 704-711
- **Optimization of flexor tendon tissue engineering with a cyclic strain bioreactor.** *journal of hand surgery*
Riboh, J., Chong, A. K., Pham, H., Longaker, M., Jacobs, C., Chang, J.
2008; 33 (8): 1388-1396
- **Optimization of Flexor Tendon Tissue Engineering With a Cyclic Strain Bioreactor** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Riboh, J., Chong, A. K., Pham, H., Longaker, M., Jacobs, C., Chang, J.
2008; 33A (8): 1388-1396
- **Global age-dependent differences in gene expression in response to calvarial injury** *JOURNAL OF CRANIOFACIAL SURGERY*
Wan, D. C., Kwan, M. D., Gupta, D. M., Wang, Z., Slater, B. J., Panetta, N. J., Morrell, N. T., Longaker, M. T.
2008; 19 (5): 1292-1301
- **Tissue turnover in the *Xenopus laevis* skull during metamorphosis**
Slater, B. J., Liu, K. J., Kwan, M. D., Quarto, N., Longaker, M. T.
ELSEVIER SCIENCE INC.2008: S65
- **Tunable control of FGF-2 secretion for skeletal tissue engineering**
Kwan, M. D., Sellmyer, M. A., Quarto, N., Wandless, T. J., Longaker, M. T.
ELSEVIER SCIENCE INC.2008: S63-S64
- **Zebrafish maintain regenerative capacity with age** *94th Annual Clinical Congress of the American-College-of-Surgeons/63rd Annual Sessions of the Owen H Wangensteen Forum on Fundamental Surgical Problems*
Panetta, N. J., Ouyang, S., Quarto, N., Chen, J. K., Longaker, M. T.
ELSEVIER SCIENCE INC.2008: S65-S65
- **Presidential address: leadership, teamwork, and SUS brand extension** *SURGERY*
Longaker, M. T.
2008; 144 (2): 109-118

- **Hepatic injury and the kinetics of bone marrow-derived hepatocyte transgene expression** *JOURNAL OF PEDIATRIC SURGERY*
Perryman, S. V., Jenkins, D. D., Streetz, K. L., Longaker, M. T., Sylvester, K. G.
2008; 43 (8): 1511-1519
- **Fluid shear stress magnitude, duration, and total applied load regulate gene expression and nitric oxide production in primary calvarial osteoblast cultures** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Gonzalez, O., Fong, K. D., Trindade, M. C., Warren, S. M., Longaker, M. T., Smith, R. L.
2008; 122 (2): 419-428
- **Microarray analysis of the role of regional dura mater in cranial suture fate** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Kwan, M. D., Wan, D. C., Wang, Z., Gupta, D. M., Slater, B. J., Longaker, M. T.
2008; 122 (2): 389-399
- **Regenerative medicine: The next frontier** *TRANSPLANTATION*
Kwan, M. D., Longaker, M. T.
2008; 86 (2): 206-207
- **Proliferation, osteogenic differentiation, and FGF-2 modulation of posterofrontal/sagittal suture-derived mesenchymal cells in vitro** *PLASTIC AND RECONSTRUCTIVE SURGERY*
James, A. W., Xu, Y., Wang, R., Longaker, M. T.
2008; 122 (1): 53-63
- **Mesenchymal cells for skeletal tissue engineering** *EXPERT OPINION ON BIOLOGICAL THERAPY*
Slater, B. J., Kwan, M. D., Gupta, D. M., Panetta, N. J., Longaker, M.
2008; 8 (7): 885-893
- **Dissecting the influence of regional dura mater on cranial suture biology** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Slater, B. J., Kwan, M. D., Gupta, D. M., Amasha, R. R., Wan, D. C., Longaker, M. T.
2008; 122 (1): 77-84
- **Advances in science and technology: Impact on craniofacial surgery** *JOURNAL OF CRANIOFACIAL SURGERY*
Kwan, M. D., Longaker, M. T.
2008; 19 (4): 1136-1139
- **Molecular mechanisms of FGF-2 inhibitory activity in the osteogenic context of mouse adipose-derived stem cells (mASCs)** *BONE*
Quarto, N., Wan, D. C., Longaker, M. T.
2008; 42 (6): 1040-1052
- **Wound repair and regeneration** *NATURE*
Gurtner, G. C., Werner, S., Barrandon, Y., Longaker, M. T.
2008; 453 (7193): 314-321
- **Tissue engineering in cleft palate and other congenital malformations** *PEDIATRIC RESEARCH*
Panetta, N. J., Gupta, D. M., Slater, B. J., Kwan, M. D., Liu, K. J., Longaker, M. T.
2008; 63 (5): 545-551
- **Nitric oxide stimulates proliferation and differentiation of fetal calvarial osteoblasts and dural cells** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Gupta, D. M., Li, S., Kwan, M. D., Longaker, M. T.
2008; 121 (5): 1567-69
- **Identification of differentially regulated genes in fetal wounds during regenerative repair** *WOUND REPAIR AND REGENERATION*
Colwell, A. S., Longaker, M. T., Lorenz, H. P.
2008; 16 (3): 450-459
- **Increased rate of hair regrowth in mice with constitutive overexpression of Del 1** *JOURNAL OF SURGICAL RESEARCH*
Hsu, G. P., Mathy, J. A., Wang, Z., Xia, W., Sakamoto, G., Kundu, R., Longaker, M. T., Quertermous, T., Yang, G. P.
2008; 146 (1): 73-80
- **Hydrostatic pressure enhances chondrogenic differentiation of human bone marrow stromal cells in osteochondrogenic medium** *ANNALS OF BIOMEDICAL ENGINEERING*

- Wagner, D. R., Lindsey, D. P., Li, K. W., Tummala, P., Chandran, S. E., Smith, R. L., Longaker, M. T., Carter, D. R., Beaupre, G. S.
2008; 36 (5): 813-820
- **Silva et al: Repair of cranial bone defects with calcium phosphate ceramic implant or autogenous bone graft.** *journal of craniofacial surgery*
Amasha, R. R., Kwan, M. D., Longaker, M. T.
2008; 19 (3): 675-677
 - **Blood-derived small Dot cells reduce scar in wound healing** *EXPERIMENTAL CELL RESEARCH*
Kong, W., Li, S., Longaker, M. T., Lorenz, H. P.
2008; 314 (7): 1529-1539
 - **Cell-based therapies for skeletal regenerative medicine** *HUMAN MOLECULAR GENETICS*
Kwan, M. D., Slater, B. J., Wan, D. C., Longaker, M. T.
2008; 17: R93-R98
 - **Current progress in keloid research and treatment** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
Butler, P. D., Longaker, M. T., Yang, G. P.
2008; 206 (4): 731-741
 - **Cranial Sutures: A Brief Review** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Slater, B. J., Lenton, K. A., Kwan, M. D., Gupta, D. M., Wan, D. C., Longaker, M. T.
2008; 121 (4): 170E-178E
 - **Effects of mechanical strain on swine wounds - Correlation with human hypertrophic scars**
Bhatt, K. A., Vial, I. N., Kelantan, M., Wu, K., Park, Y., Paterno, J., Thangarajah, H., Dauskardt, R., Longaker, M. T., Gurtner, G. C.
WILEY-BLACKWELL PUBLISHING, INC.2008: A44-A44
 - **Replicating ligand domains of fetal matrix to promote tissue regeneration**
Bhatt, K. A., Rajadas, J., Thangarajah, H., VIAL, N., Chang, E., Kelantan, M., Longaker, M. T., Gurtner, G. C.
WILEY-BLACKWELL PUBLISHING, INC.2008: A38-A38
 - **Use of organotypic coculture to study keloid biology** *17th Annual Meeting of the Society-for-Black-Academic-Surgeons*
Butler, P. D., Ly, D. P., Longaker, M. T., Yang, G. P.
EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2008: 144-48
 - **Periosteal biaxial residual strains correlate with bone specific growth rates in chick embryos** *COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING*
Chen, J. C., Zhao, B., Longaker, M. T., Helms, J. A., Carter, D. R.
2008; 11 (5): 453-461
 - **Formation of in vitro murine cleft palate by abrogation of fibroblast growth factor signaling** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Crisera, C., Teng, E., Wasson, K. L., Heller, J., Gabbay, J. S., Sedrak, M. F., Bradley, J. P., Longaker, M. T.
2008; 121 (1): 218-224
 - **Confocal laser scanning microscopic analysis of collagen scaffolding patterns in cranial sutures** *JOURNAL OF CRANIOFACIAL SURGERY*
Warren, S. M., Walder, B., Dec, W., Longaker, M. T., Ting, K.
2008; 19 (1): 198-203
 - **Applications of an athymic nude mouse model of nonhealing critical-sized calvarial defects** *JOURNAL OF CRANIOFACIAL SURGERY*
Gupta, D. M., Kwan, M. D., Slater, B. J., Wan, D. C., Longaker, M. T.
2008; 19 (1): 192-197
 - **Current treatment of craniosynostosis and future therapeutic directions.** *Frontiers of oral biology*
Wan, D. C., Kwan, M. D., Lorenz, H. P., Longaker, M. T.
2008; 12: 209-230
 - **Dura mater-derived FGF-2 mediates mitogenic signaling in calvarial osteoblasts** *AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY*
Li, S., Quarto, N., Longaker, M. T.
2007; 293 (6): C1834-C1842

- **Revitalizing the training of clinical scientists in surgery** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Wan, D. C., Longaker, M. T.
2007; 120 (7): 2073–75
- **In vitro expansion of adipose-derived adult stromal cells in hypoxia enhances early chondrogenesis** *TISSUE ENGINEERING*
Xu, Y., Malladi, P., Chiou, M., Bekerman, E., Giaccia, A. J., Longaker, M. T.
2007; 13 (12): 2981-2993
- **Molecular and cellular characterization of mouse calvarial osteoblasts derived from neural crest and paraxial mesoderm** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Xu, Y., Malladi, P., Zhou, D., Longaker, M. T.
2007; 120 (7): 1783-1795
- **Increased CCN2 transcription in keloid fibroblasts requires cooperativity between AP-1 and SMAD binding sites** *ANNALS OF SURGERY*
Xia, W., Kong, W., Wang, Z., Phan, T., Lim, I. J., Longaker, M. T., Yang, G. P.
2007; 246 (5): 886-895
- **Gupta et al: TGF Alpha has a low protein expression in nonsyndromic clefts - Discussion** *JOURNAL OF CRANIOFACIAL SURGERY*
Longaker, M. T., Gupta, D. M., Liu, K. J.
2007; 18 (6): 1281–83
- **Mechanical load initiates hypertrophic scar formation through decreased cellular apoptosis** *FASEB JOURNAL*
Aarabi, S., Bhatt, K. A., Shi, Y., Paterno, J., Chang, E. I., Loh, S. A., Holmes, J. W., Longaker, M. T., Yee, H., Gurtner, G. C.
2007; 21 (12): 3250-3261
- **Noggin suppression enhances in vitro osteogenesis and accelerates in vivo bone formation** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Wan, D. C., Pomerantz, J. H., Brunet, L. J., Kim, J., Chou, Y., Wu, B. M., Harland, R., Blau, H. M., Longaker, M. T.
2007; 282 (36): 26450-26459
- **Hypertrophic scar formation following burns and trauma: New approaches to treatment** *PLOS MEDICINE*
Aarabi, S., Longaker, M. T., Gurtner, G. C.
2007; 4 (9): 1464-1470
- **Regulation of the unfolded protein response in keloid fibroblasts**
Butler, P. D., Wang, Z., Koong, A., Longaker, M. T., Yang, G. P.
ELSEVIER SCIENCE INC.2007: S56–S57
- **Ex vivo model of cranial suture fate**
Slater, B. J., Lenton, K., Longaker, M. T.
ELSEVIER SCIENCE INC.2007: S59–S60
- **Inhibition of an extracellular matrix protein increases survival in orthotopic nude mouse models**
Ham, C. M., Erler, J. T., Giaccia, A. J., Longaker, M. T., Yang, G. P.
ELSEVIER SCIENCE INC.2007: S95
- **Use of organotypic skin culture to study keloid biology** *93rd Annual Clinical Congress of the American-College-of-Surgeons*
Butler, P. D., Ly, D., Wang, Z., Longaker, M. T., Yang, G. P.
ELSEVIER SCIENCE INC.2007: S57–S57
- **Differential expression of sclerostin in the calvaria of young and adult mice** *93rd Annual Clinical Congress of the American-College-of-Surgeons*
Kwan, M. D., Slater, B., Deepak, G., Wan, D., Longaker, M. T.
ELSEVIER SCIENCE INC.2007: S59–S59
- **Del1 protects chondrocytes from apoptosis** *93rd Annual Clinical Congress of the American-College-of-Surgeons*
Wang, Z., Nie, X., Longaker, M. T., Yang, G. P.
ELSEVIER SCIENCE INC.2007: S45–S45
- **Geometric morphometric analysis of craniofacial deformity in the noggin mutant** *93rd Annual Clinical Congress of the American-College-of-Surgeons*

- Gupta, D. M., Young, N. M., Wan, D. C., Brunet, L. J., Harland, R. M., Helms, J. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2007: S60–S60
- **Thermoreversible poloxamers and applications for vascular biology** *93rd Annual Clinical Congress of the American-College-of-Surgeons*
Chang, E. I., Hamou, C. D., Galvez, M. G., Longaker, M. T., Gurtner, G. C.
ELSEVIER SCIENCE INC.2007: S108–S108
 - **Live imaging of Smad2/3 signaling in mouse skin wound healing** *WOUND REPAIR AND REGENERATION*
Chong, A. K., Satterwhite, T., Pham, H. M., Costa, M. A., Luo, J., Longaker, M. T., Wyss-Coray, T., Chang, J.
2007; 15 (5): 762-766
 - **In vitro analysis of transforming growth factor-beta 1 inhibition in novel Transgenic SBE-luciferase mice** *ANNALS OF PLASTIC SURGERY*
Satterwhite, T. S., Chong, A. K., Luo, J., Pham, H., Costa, M., Longaker, M. T., Wyss-Coray, T., Chang, J.
2007; 59 (2): 207-213
 - **Early fetal healing as a model for adult organ regeneration** *TISSUE ENGINEERING*
Yannas, I. V., Kwan, M. D., Longaker, M. T.
2007; 13 (8): 1789-1798
 - **Analysis of the material properties of early chondrogenic differentiated adipose-derived stromal cells (ASC) using an in vitro three-dimensional micromass culture system** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Xu, Y., Balooch, G., Chiou, M., Bekerman, E., Ritchie, R. O., Longaker, M. T.
2007; 359 (2): 311-316
 - **Refining retinoic acid stimulation for osteogenic differentiation of murine adipose-derived adult stromal cells** *TISSUE ENGINEERING*
Wan, D. C., Siedhoff, M. T., Kwan, M. D., Nacamuli, R. P., Wu, B. M., Longaker, M. T.
2007; 13 (7): 1623-1631
 - **Accelerated bone repair after plasma laser corticotomies** *ANNALS OF SURGERY*
Leucht, P., Lam, K., Kim, J., Mackanos, M. A., Simanovskii, D. M., Longaker, M. T., Contag, C. H., Schwettman, H. A., Helms, J. A.
2007; 246 (1): 140-150
 - **Hypoxia inducible factor-1 alpha deficiency affects chondrogenesis of adipose-derived adult stromal cells** *TISSUE ENGINEERING*
Malladi, P., Xu, Y., Chiou, M., Giaccia, A. J., Longaker, M. T.
2007; 13 (6): 1159-1171
 - **Hif-1 alpha regulates differentiation of limb bud mesenchyme and joint development** *JOURNAL OF CELL BIOLOGY*
Provot, S., Zinyk, D., Gunes, Y., Kathri, R., Le, Q., Kronenberg, H. M., Johnson, R. S., Longaker, M. T., Giaccia, A. J., Schipani, E.
2007; 177 (3): 451-464
 - **Proposition 71 and CIRM - assessing the return on investment** *NATURE BIOTECHNOLOGY*
Longaker, M. T., Baker, L. C., Greely, H. T.
2007; 25 (5): 513-521
 - **Keratinocytes modulate fetal and postnatal fibroblast transforming growth factor-beta and Smad expression in co-culture** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Colwell, A. S., Yun, R., Krummel, T. M., Longaker, M. T., Lorenz, H. P.
2007; 119 (5): 1440-1445
 - **Engineering epidermal growth factor mutant proteins for wound healing** *Experimental Biology 2007 Annual Meeting*
Beck, S. E., Ly, D., Lee, S., Longaker, M., Yang, G., Cochran, J.
FEDERATION AMER SOC EXP BIOL.2007: A251–A251
 - **Anti-TGF-beta 2 antibody therapy inhibits postoperative resynostosis in craniosynostotic rabbits** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Kwan, M. D., Wan, D. C., Longaker, M. T.
2007; 119 (4): 1213–15
 - **Chemical rescue of cleft palate and midline defects in conditional GSK-3 beta mice** *NATURE*
Liu, K. J., Arron, J. R., Stankunas, K., Crabtree, G. R., Longaker, M. T.
2007; 446 (7131): 79-82

- **Cyclic mechanical strain increases production of regulators of bone healing in cultured murine osteoblasts** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
Singh, S. P., Chang, E. I., Gossain, A. K., Mehara, B. J., Galiano, R. D., Jensen, J., Longaker, M. T., Gurtner, G. C., Saadeh, P. B.
2007; 204 (3): 426-434
- **Transforming growth factor-beta, smad, and collagen expression patterns in fetal and adult keratinocytes** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Colwell, A. S., Faudoa, R., Krummel, T. M., Longaker, M. T., Lorenz, H. P.
2007; 119 (3): 852-857
- **Re: Differential effects of FGFR2 mutation in ophthalmologic findings in Apert syndrome. Discussion** *JOURNAL OF CRANIOFACIAL SURGERY*
Kwan, M. D., Wan, D. C., Lorenz, H. P., Longaker, M. T.
2007; 18 (2): 459-460
- **Isolation and characterization of posterofrontal/sagittal suture mesenchymal cells in vitro** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Xu, Y., Malladi, P., Chiou, M., Longaker, M. T.
2007; 119 (3): 819-829
- **Microvascular reconstruction of the pediatric mandible** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Warren, S. M., Borud, L. J., Brecht, L. E., Longaker, M. T., Siebert, J. W.
2007; 119 (2): 649-661
- **Progress and potential for regenerative medicine** *ANNUAL REVIEW OF MEDICINE*
Gurtner, G. C., Callaghan, M. J., Longaker, M. T.
2007; 58: 299-312
- **Skeletal-Tissue Engineering** *PRINCIPLES OF TISSUE ENGINEERING, 3RD EDITION*
Kwan, M. D., Wan, D. C., Longaker, M. T.
edited by Lanza, R., Langer, R., Vacanti, J.
2007: 935-44
- **Histological evaluation of the temporomandibular joint after bilateral vertical ramus mandibular distraction in a canine model - Discussion** *JOURNAL OF CRANIOFACIAL SURGERY*
Kwan, M. D., Wan, D. C., Longaker, M. T.
2007; 18 (1): 163-64
- **Dynamic spring mediated cranioplasty in an experimental model with resorbable foot plates - Discussion** *JOURNAL OF CRANIOFACIAL SURGERY*
Kwan, M. D., Wan, D. C., Longaker, M. T.
2007; 18 (1): 60-61
- **Reconstruction of mandibular defects using autografts combined with demineralized bone matrix and cancellous allograft - Discussion** *JOURNAL OF CRANIOFACIAL SURGERY*
Kwan, M. D., Wan, D. C., Longaker, M. T.
2007; 18 (1): 101-2
- **Adipose tissue engineering from human adult stem cells: Clinical implications in plastic and reconstructive surgery** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Wan, D. C., Longaker, M. T.
2007; 119 (1): 84-85
- **Upregulation of neurodevelopmental genes during scarless healing** *12th Biennial Meeting of the International-Society-Craniofacial-Surgery*
Antony, A. K., Kong, W. Y., Longaker, M. T., Lorenz, H. P.
MEDIMOND S R L.2007: 25-27
- **Influence of the fetal keratinocyte in scarless repair** *12th Biennial Meeting of the International-Society-Craniofacial-Surgery*
Antony, A. K., Kong, W., Longaker, M. T., Lorenz, H. P.
MEDIMOND S R L.2007: 33-36

- **Retinoic acid induces differential expression of MMP-1 and 9 in fetal and adult fibroblasts** *12th Biennial Meeting of the International-Society-Craniofacial-Surgery*
Antony, A. K., Bari, S., Kong, W., Longaker, M. T., Lorenz, H. P.
MEDIMOND S R L.2007: 29–31
- **Wnt signaling pathway critical for fetal wound healing** *12th Biennial Meeting of the International-Society-Craniofacial-Surgery*
Knowles, J. A., Hantash, B. M., Longaker, M. T., Lorenz, H. P.
MEDIMOND S R L.2007: 69–72
- **Applications of an Athymic nude mouse model of nonhealing critical-sized calvarial defects** *12th Biennial Meeting of the International-Society-Craniofacial-Surgery*
Gupta, D. M., Kwan, M. D., Slater, B. J., Wan, D. C., Longaker, M. T.
MEDIMOND S R L.2007: 53–55
- **Noggin suppression enhances in vivo bone formation** *12th Biennial Meeting of the International-Society-Craniofacial-Surgery*
Wan, D. C., Pomerantz, J. H., Brunet, L. J., Kim, J., Chou, Y., Kwan, M. D., Slater, B. J., Gupta, D. M., Wu, B. M., Harland, R. M., Blau, H. M., Longaker, M. T.
MEDIMOND S R L.2007: 49–52
- **Gene expression differences between the dura mater of fusing and patent sutures in the mouse model** *12th Biennial Meeting of the International-Society-Craniofacial-Surgery*
Kwan, M. D., Wan, D. C., Wang, Z., Gupta, D. M., Slater, B. J., Beck, D., Longaker, M. T.
MEDIMOND S R L.2007: 21–24
- **Microarray analysis of differential gene expression between juvenile and adult calvarial defects** *12th Biennial Meeting of the International-Society-Craniofacial-Surgery*
Wan, D. C., Kwan, M. D., Wang, Z., Slater, B. J., Gupta, D. M., Longaker, M. T.
MEDIMOND S R L.2007: 61–63
- **Geometric morphometric analysis identifies craniofacial deformity in the noggin mutant** *12th Biennial Meeting of the International-Society-Craniofacial-Surgery*
Gupta, D. M., Young, N. M., Wan, D. C., Kwan, M. D., Slater, B. J., Brunet, L. J., Harland, R. M., Helms, J. A., Longaker, M. T.
MEDIMOND S R L.2007: 13–15
- **Osteogenic differentiation of mouse adipose-derived stromal cells requires retinoic acid and bone morphogenetic protein type IB signaling** *12th Biennial Meeting of the International-Society-Craniofacial-Surgery*
Wan, D. C., Shi, Y. Y., Nacamull, R. P., Quarto, N., Kwan, M. D., Gupta, D. M., Slater, B. J., LYONS, K. M., Longaker, M. T.
MEDIMOND S R L.2007: 45–47
- **Refining retinoic acid stimulation of murine adipose-derived stromal cells accelerates in vivo bone formation** *12th Biennial Meeting of the International-Society-Craniofacial-Surgery*
Wan, D. C., Siedhoff, M. T., Kwan, M. D., Nacamuli, R. P., Slater, B. J., Gupta, D. M., Wu, B. M., Longaker, M. T.
MEDIMOND S R L.2007: 57–59
- **Differential expression of sclerostin between juvenile and adult mice** *12th Biennial Meeting of the International-Society-Craniofacial-Surgery*
Kwan, M. D., Gupta, D. M., Slater, B. J., Wan, D. C., Quarto, N., Longaker, M. T.
MEDIMOND S R L.2007: 17–19
- **Rotation of cranial sutures to determine the role of regional dura mater on cranial suture fate** *12th Biennial Meeting of the International-Society-Craniofacial-Surgery*
Slater, B. J., Kwan, M. D., Gupta, D. M., Amasha, R. R., Wan, D. C., Longaker, M. T.
MEDIMOND S R L.2007: 65–67
- **Cyclophilin C-associated protein is up-regulated during wound healing** *JOURNAL OF CELLULAR PHYSIOLOGY*
Kong, W., Li, S., Longaker, M. T., Lorenz, H. P.
2007; 210 (1): 153-160
- **Epithelial-mesenchymal transition occurs after epidermal development in mouse skin** *EXPERIMENTAL CELL RESEARCH*
Kong, W., Li, S., Liu, C., Bari, A. S., Longaker, M. T., Lorenz, H. P.
2006; 312 (19): 3959-3968

- **Mannose-6-phosphate, an inhibitor of transforming growth factor-beta, improves range of motion after flexor tendon repair.** *journal of bone and joint surgery. American volume*
Bates, S. J., Morrow, E., Zhang, A. Y., Pham, H., Longaker, M. T., Chang, J.
2006; 88 (11): 2465-2472
- **Mannose-6-phosphate, an inhibitor of transforming growth factor-beta, improves range of motion after flexor tendon repair** *JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME*
Bates, S. J., Morrow, E., Zhang, A. Y., Pham, H., Longaker, M. T., Chang, J.
2006; 88A (11): 2465-2472
- **Craniofacial tissue engineering by stem cells** *JOURNAL OF DENTAL RESEARCH*
Mao, J. J., Giannobile, W. V., Helms, J. A., Hollister, S. J., Krebsbach, P. H., Longaker, M. T., Shi, S.
2006; 85 (11): 966-979
- **Innovation in surgery - A historical perspective** *ANNALS OF SURGERY*
Riskin, D. J., T Longaker, M., Gertner, M., Krummel, T. M.
2006; 244 (5): 686-693
- **The ethics of innovation in pediatric surgery.** *Seminars in pediatric surgery*
Riskin, D. J., Longaker, M. T., Krummel, T. M.
2006; 15 (4): 319-323
- **Early-gestation fetal scarless wounds have less lysyl oxidase expression** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Colwell, A. S., Krummel, T. M., Longaker, M. T., Lorenz, H. P.
2006; 118 (5): 1125-1129
- **Tissue engineering of injectable muscle: Three-dimensional myoblast-fibrin injection in the syngeneic rat animal model - Discussion** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Kwan, M. D., Wan, D. C., Longaker, M. T.
2006; 118 (5): 1122-24
- **Differential gene expression between juvenile and adult dura mater: A window into what genes play a role in the regeneration of membranous bone** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Wan, D. C., Aalami, O. O., Wang, Z., Nacamuli, R. P., Lorget, F., Derynck, R., Longaker, M. T.
2006; 118 (4): 851-861
- **Novel techniques in hernia repair.** *Current surgery*
Antony, A. K., Herrera, F. A., Easter, D. W., Longaker, M. T., Lorenz, H. P.
2006; 63 (5): 306-309
- **Hypoxia induced pre-reperfusion response is critical for ischemic acute tubular necrosis**
Nie, X., Wang, Z., Rodriguez, E., Chi, A., Longaker, M., Yang, G.
ELSEVIER SCIENCE INC.2006: S25
- **Retinoic acid induces differential expression of MMP-1&9 in fetal and adult fibroblasts**
Antony, A. K., Bari, S., Longaker, M., Lorenz, H.
ELSEVIER SCIENCE INC.2006: S37
- **Upregulation of WNT-4 expression in keloid fibroblasts after TGF-B1&-B3 stimulation**
Antony, A. K., Colwell, A., Longaker, M. T., Lorenz, H.
ELSEVIER SCIENCE INC.2006: S57
- **BMP antagonism via noggin in adult dura mater** *61st Annual Session of the Surgical Forum 2006 Clinical Congress*
Kwan, M. D., Wan, D., Longaker, M.
ELSEVIER SCIENCE INC.2006: S55-S55
- **Cellular response of keloid-derived keratinocytes to physical stress** *61st Annual Session of the Surgical Forum 2006 Clinical Congress*
Wang, Z., Phan, T., Lim, I., Longaker, M., Yang, G.
ELSEVIER SCIENCE INC.2006: S54-S55

- **Fluorescence-activated cell sorting with CD105 identifies osteoprogenitors within mouse and human-derived AMCs** *61st Annual Session of the Surgical Forum 2006 Clinical Congress*
Wan, D. C., Kwan, M., Nacamuli, R., Tataria, M., Longaker, M.
ELSEVIER SCIENCE INC.2006: S42-S42
- **Differential transcriptional responses of keloid and normal keratinocytes to serum stimulation** *JOURNAL OF SURGICAL RESEARCH*
Xia, W., Phan, T., Lim, I. J., Longaker, M. T., Yang, G. P.
2006; 135 (1): 156-163
- **Osteogenic differentiation of mouse adipose-derived adult stromal cells requires retinoic acid and bone morphogenetic protein receptor type IB signaling** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Wan, D. C., Shi, Y., Nacamuli, R. P., Quarto, N., Lyons, K. M., Longaker, M. T.
2006; 103 (33): 12335-12340
- **Functions of vitamin D, retinoic acid, and dexamethasone in mouse adipose-derived mesenchymal cells** *TISSUE ENGINEERING*
Malladi, P., Xu, Y., Yang, G. P., Longaker, M. T.
2006; 12 (7): 2031-2040
- **Ultrasound in the diagnosis of craniosynostosis - Discussion** *JOURNAL OF CRANIOFACIAL SURGERY*
Kwan, M. D., Wan, D. C., Longaker, M. T.
2006; 17 (4): 626-28
- **Tissue engineering cartilage with aged articular chondrocytes in vivo** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Malladi, P., Xu, Y., Longaker, M. T.
2006; 118 (1): 50-53
- **Connective tissue growth factor-specific monoclonal antibody therapy inhibits pancreatic tumor growth and metastasis** *CANCER RESEARCH*
Dornhoefer, N., Spong, S., Bennewith, K., Salim, A., Klaus, S., Kambham, N., Wong, C., Kaper, F., Sutphin, P., Nacalumi, R., Hoeckel, M., Le, Q., Longaker, et al
2006; 66 (11): 5816-5827
- **Wnt-4 expression is increased in fibroblasts after TGF-beta 1 stimulation and during fetal and postnatal wound repair** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Colwell, A. S., Krummel, T. M., Longaker, M. T., Lorenz, H. P.
2006; 117 (7): 2297-2301
- **FGF-2 inhibits osteogenesis in mouse adipose tissue-derived stromal cells and sustains their proliferative and osteogenic potential state** *TISSUE ENGINEERING*
Quarto, N., Longaker, M. T.
2006; 12 (6): 1405-1418
- **Fetal and adult fibroblasts have similar TGF-beta-mediated, Smad-dependent signaling pathways** *90th Annual Clinical Congress of the American-College-of-Surgeons*
Colwell, A. S., Krummel, T. M., Longaker, M. T., Lorenz, H. P.
LIPPINCOTT WILLIAMS & WILKINS.2006: 2277-83
- **An in vivo mouse excisional wound model of scarless healing** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Colwell, A. S., Krummel, T. M., Longaker, M. T., Lorenz, H. P.
2006; 117 (7): 2292-2296
- **Mitogenic and chondrogenic effects of fibroblast growth factor-2 in adipose-derived mesenchymal cells** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Chiou, M., Xu, Y., Longaker, M. T.
2006; 343 (2): 644-652
- **Effect of reduced oxygen tension on chondrogenesis and osteogenesis in adipose-derived mesenchymal cells** *AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY*
Malladi, P., Xu, Y., Chiou, M., Giaccia, A. J., Longaker, M. T.
2006; 290 (4): C1139-C1145

- **Craniofacial bone tissue engineering.** *Dental clinics of North America*
Wan, D. C., Nacamuli, R. P., Longaker, M. T.
2006; 50 (2): 175-?
- **Absence of the p53 tumor suppressor gene promotes osteogenesis in mesenchymal stem cells** *57th Annual Meeting of the American-Academy-of-Pediatrics*
Tataria, M., Quarto, N., Longaker, M. T., Sylvester, K. G.
W B SAUNDERS CO-ELSEVIER INC.2006: 624-32
- **Guided tissue regeneration enhances bone formation in a rat model of failed osteogenesis** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Fang, T. D., Nacamuli, R. P., Song, H. J., Fong, K. D., Shi, Y. Y., Longaker, M. T.
2006; 117 (4): 1177-1185
- **P38 MAP kinase mediates transforming growth factor-beta 2 transcription in human keloid fibroblasts** *AMERICAN JOURNAL OF PHYSIOLOGY-REGULATORY INTEGRATIVE AND COMPARATIVE PHYSIOLOGY*
Xia, W., Longaker, M. T., Yang, G. P.
2006; 290 (3): R501-R508
- **The ISCFs: A body for clinical, educational, and research innovation** *JOURNAL OF CRANIOFACIAL SURGERY*
Longaker, M. T., Wan, D. C.
2006; 17 (2): 215-216
- **Relationships between tissue dilatation and differentiation in distraction osteogenesis** *MATRIX BIOLOGY*
Morgan, E. F., Longaker, M. T., Carter, D. R.
2006; 25 (2): 94-103
- **Gene expression programs in response to hypoxia: Cell type specificity and prognostic significance in human cancers** *PLOS MEDICINE*
Chi, J. T., Wang, Z., Nuyten, D. S., Rodriguez, E. H., Schaner, M. E., Salim, A., Wang, Y., Kristensen, G. B., Helland, A., Borresen-Dale, A. L., Giaccia, A., Longaker, M. T., Hastie, et al
2006; 3 (3): 395-409
- **Increased transcriptional response to mechanical strain in keloid fibroblasts due to increased focal adhesion complex formation** *JOURNAL OF CELLULAR PHYSIOLOGY*
Wang, Z., Fong, K. D., Phan, T. T., Lim, I. J., Longaker, M. T., Yang, G. P.
2006; 206 (2): 510-517
- **Expression of a novel gene, MafB, in Dupuytren's disease** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Lee, L. C., Zhang, A. Y., Chong, A. K., Pham, H., Longaker, M. T., Chang, J.
2006; 31A (2): 211-218
- **Expression of a novel gene, MafB, in Dupuytren's disease.** *journal of hand surgery*
Lee, L. C., Zhang, A. Y., Chong, A. K., Pham, H., Longaker, M. T., Chang, J.
2006; 31 (2): 211-218
- **Skin wounds in the MRL/MPJ mouse heal with scar** *WOUND REPAIR AND REGENERATION*
Colwell, A. S., Krummel, T. M., Kong, W., Longaker, M. T., Lorenz, H. P.
2006; 14 (1): 81-90
- **Murine models of mandibular distraction osteogenesis: Towards defining the mechanical environment and the role of angiogenesis** *5th International Congress of the Maxillofacial and Craniofacial Distraction*
Kwan, M. D., Wan, D. C., Lobo, E. G., Fang, T. D., Longaker, M. T.
MEDIMOND S R L.2006: 1-4
- **Adipose-derived mesenchymal cells (AMCs): a promising future for skeletal tissue engineering.** *Biotechnology & genetic engineering reviews*
Xu, Y., Malladi, P., Wagner, D. R., Tataria, M., Chiou, M., Sylvester, K. G., Longaker, M. T.
2006; 23: 291-308
- **The osteogenic potential of adipose-derived mesenchymal cells is maintained with aging** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Shi, Y. Y., Nacamuli, R. P., Salim, A., Longaker, M. T.
2005; 116 (6): 1686-1696

- **Age-dependent properties and quasi-static strain in the rat sagittal suture** *JOURNAL OF BIOMECHANICS*
Henderson, J. H., Chang, L. Y., Song, H. M., Longaker, M. T., Carter, D. R.
2005; 38 (11): 2294-2301
- **Bone induction in craniofacial defects.** *Orthodontics & craniofacial research*
Nacamuli, R. P., Longaker, M. T.
2005; 8 (4): 259-266
- **Expression and possible mechanisms of regulation of BMP3 in rat cranial sutures** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Nacamuli, R. P., Fong, K. D., Lenton, K. A., Song, H. M., Fang, T. D., Salim, A., Longaker, M. T.
2005; 116 (5): 1353-1362
- **Smad3 signalling plays an important role in keloid pathogenesis via epithelial-mesenchymal interactions** *JOURNAL OF PATHOLOGY*
Phan, T. T., Lim, I. J., Aalami, O., Lorget, F., Khoo, A., Tan, E. K., Mukhopadhyay, A., Longaker, M. T.
2005; 207 (2): 232-242
- **Hypertrophic scar fibroblasts have increased connective tissue growth factor expression after transforming growth factor-beta stimulation** *49th Annual Meeting of the Plastic-Surgery-Research-Council*
Colwell, A. S., Phan, T. T., Kong, W., Longaker, M. T., Lorenz, P. H.
LIPPINCOTT WILLIAMS & WILKINS.2005: 1387-90
- **Microarray analysis of mechanical shear effects on flexor tendon cells** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Fong, K. D., Trindade, M. C., Wang, Z., Nacamuli, R. P., Pham, H., Fang, T. D., Song, H. J., Smith, L., Longaker, M. T., Chang, J.
2005; 116 (5): 1393-1404
- **Noggin suppression enhances osteogenesis of murine osteoblasts** *91st Annual Clinical Congress of the American-College-of-Surgeons*
Wan, D. C., Pomerantz, J., Nacamuli, R., Siedhoff, M., Blau, H., Longaker, M. T.
ELSEVIER SCIENCE INC.2005: S62-S62
- **Isolation and characterization of posterior-frontal/sagittal suture mesenchymal cells** *91st Annual Clinical Congress of the American-College-of-Surgeons*
Xu, Y., Malladi, P., Longaker, M. T.
ELSEVIER SCIENCE INC.2005: S61-S61
- **Effect of the angiogenic factor Del-1 on endothelial cell apoptosis** *91st Annual Clinical Congress of the American-College-of-Surgeons*
Wang, Z., Longaker, M. T., Yang, G.
ELSEVIER SCIENCE INC.2005: S104-S104
- **Gene profiling of cells expressing different FGF-2 forms** *GENE*
Quarto, N., Fong, K. D., Longaker, M. T.
2005; 356: 49-68
- **Adipose-derived mesenchymal cells as a potential cell source for skeletal regeneration** *CURRENT OPINION IN MOLECULAR THERAPEUTICS*
Xu, Y., Malladi, P., Wagner, D. R., Longaker, M. T.
2005; 7 (4): 300-305
- **Angiogenesis is required for successful bone induction during distraction osteogenesis** *JOURNAL OF BONE AND MINERAL RESEARCH*
Fang, T. D., Salim, A., Xia, W., Nacamuli, R. P., Guccione, S., Song, H. M., Carano, R. A., Filvaroff, E. H., Bednarski, M. D., Giaccia, A. J., Longaker, M. T.
2005; 20 (7): 1114-1124
- **Age-dependent residual tensile strains are present in the dura mater of rats** *JOURNAL OF THE ROYAL SOCIETY INTERFACE*
Henderson, J. H., Nacamuli, R. P., Zhao, B., Longaker, M. T., Carter, D. R.
2005; 2 (3): 159-167
- **Differential transcriptional expression profiles of juvenile and adult calvarial bone** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Aalami, O. O., Nacamuli, R. P., Salim, A., Fong, K. D., Lenton, K. A., Song, H. M., Fang, T. D., Longaker, M. T.
2005; 115 (7): 1986-1994

- **Innovation: A sustainable competitive advantage for plastic and reconstructive surgery** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Longaker, M. T., Rohrich, R. J.
2005; 115 (7): 2135–36
- **Mechanobiology of mandibular distraction osteogenesis: finite element analyses with a rat model** *JOURNAL OF ORTHOPAEDIC RESEARCH*
Lobo, E. G., Fang, T. D., Parker, D. W., Warren, S. M., Fong, K. D., Longaker, M. T., Carter, D. R.
2005; 23 (3): 663-670
- **Sox9 neural crest determinant gene controls patterning and closure of the posterior frontal cranial suture** *DEVELOPMENTAL BIOLOGY*
Sahar, D. E., Longaker, M. T., Quarto, N.
2005; 280 (2): 344-361
- **FGF-2 acts through an ERK1/2 intracellular pathway to affect osteoblast differentiation** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Spector, J. A., Mathy, J. A., Warren, S. M., Nacamuli, R. P., Song, H. M., Lenton, K., Fong, K. D., Fang, D. T., Longaker, M. T.
2005; 115 (3): 838-852
- **Bone morphogenetic protein 2 and retinoic acid accelerate in vivo bone formation, osteoclast recruitment, and bone turnover** *TISSUE ENGINEERING*
Cowan, C. M., Aalami, O. O., Shi, Y. Y., Chou, Y. F., Mari, C., Thomas, R., Quarto, N., Nacamuli, R. P., Contag, C. H., Wu, B., Longaker, M. T.
2005; 11 (3-4): 645-658
- **New developments in pediatric plastic surgery research** *CLINICS IN PLASTIC SURGERY*
Nacamuli, R. P., Wan, D. C., Lenton, K. A., Longaker, M. T.
2005; 32 (1): 123-?
- **Noggin suppression enhances osteogenesis of murine osteoblasts** *11th International Congress of the International-Society-of-Craniofacial-Surgery*
Wan, D. C., Pomerants, J. H., Nacamuli, R. P., Kim, J. B., Blau, H. M., Longaker, M. T.
MEDIMOND S R L.2005: 3–5
- **Gene expression profile of the WNT family in cranial suture development** *11th International Congress of the International-Society-of-Craniofacial-Surgery*
Malladi, P., Xu, Y., Nusse, R., Longaker, M.
MEDIMOND S R L.2005: 263–263
- **Cranial suture biology** *CURRENT TOPICS IN DEVELOPMENTAL BIOLOGY, VOL 66*
Lenton, K. A., Nacamuli, R. P., Wan, D. C., Helms, J. A., Longaker, M. T.
2005; 66: 287-?
- **Increased angiogenesis and expression of vascular endothelial growth factor during scarless repair** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Colwell, A. S., Beanes, S. R., Soo, C., Dang, C., Ting, K., Longaker, M. T., Atkinson, J. B., Lorenz, H. P.
2005; 115 (1): 204-212
- **The zebrafish (Danio rerio): a model system for cranial suture Patterning** *CELLS TISSUES ORGANS*
Quarto, N., Longaker, M. T.
2005; 181 (2): 109-118
- **Mammalian fetal organ regeneration** *REGENERATIVE MEDICINE I: THEORIES, MODELS AND METHODS*
Colwell, A. S., Longaker, M. T., Lorenz, H. P.
2005; 93: 83-100
- **High-dose retinoic acid modulates rat calvarial osteoblast biology** *JOURNAL OF CELLULAR PHYSIOLOGY*
Song, H. M., Nacamuli, R. P., Xia, W., Bari, A. S., Shi, Y. Y., Fang, T. D., Longaker, M. T.
2005; 202 (1): 255-262
- **Cyclophilin C-associated protein is a mediator for fibronectin fragment-induced matrix metalloproteinase-13 expression** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Kong, W. Y., Longaker, M. T., Lorenz, H. P.

2004; 279 (53): 55334-55340

- **Quantitative transcriptional analysis of fusing and nonfusing cranial suture complexes in mice** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Nacamuli, R. P., Song, H. J., Fang, T. D., Fong, K. D., Mathy, J. A., Shi, Y. Y., Salim, A., Longaker, M. T.
2004; 114 (7): 1818-1825
- **Molecular and cellular characterization of mouse calvarial osteoblasts derived from neural crest and paraxial-mesoderm** *44th Annual Meeting of the American-Society-for-Cell-Biology*
Xu, Y., Malladi, P., Zhou, D., Helms, J. A., Longaker, M. T.
AMER SOC CELL BIOLOGY.2004: 351A-351A
- **Transient changes in oxygen tension inhibit osteogenic differentiation and Runx2 expression in osteoblasts** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Salim, A., Nacamuli, R. P., Morgan, E. F., Giaccia, A. J., Longaker, M. T.
2004; 279 (38): 40007-40016
- **Applications of a mouse model of calvarial healing: Differences in regenerative abilities of juveniles and adults** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Aalami, O. O., Nacamuli, R. P., Lenton, K. A., Cowan, C. M., Fang, T. D., Fong, K. D., Shi, Y. Y., Song, H. M., Sahar, D. E., Longaker, M. T.
2004; 114 (3): 713-720
- **Cranial neural crest-derived cells participate in craniofacial skeletal repair** *90th Annual Clinical Congress of the American-College-of-Surgeons*
Nacamuli, R. P., Fang, T. D., Salim, A., Song, H., Shi, Y. Y., Hu, D., Miclau, T., Helms, J., Longaker, M. T.
ELSEVIER SCIENCE INC.2004: S48-S49
- **Increased CTGF transcription in keloid fibroblasts requires cooperativity between AP-1 and SMAD binding sites** *90th Annual Clinical Congress of the American-College-of-Surgeons*
Xia, W., Kong, W. Y., Phan, T. T., Lim, I., Longaker, M. T., Yang, G.
ELSEVIER SCIENCE INC.2004: S57-S57
- **Complex epithelial-mesenchymal interactions modulate transforming growth factor-beta expression in keloid-derived cells** *WOUND REPAIR AND REGENERATION*
Xia, W., Phan, T. T., Lim, I. J., Longaker, M. T., Yang, G. P.
2004; 12 (5): 546-556
- **Donor-derived, liver-specific protein expression after bone marrow transplantation** *TRANSPLANTATION*
Jenkins, D. D., Streez, K., Tataria, M., Sahar, D., Kurobe, M., Longaker, M. T., Kay, M. A., Sylvester, K. G.
2004; 78 (4): 530-536
- **Modulation of FAK, Akt, and p53 by stress release of the fibroblast-populated collagen matrix (Retracted Article. See vol 121, pg 151, 2004)**
Carlson, M. A., Longaker, M. T., Thompson, J. S.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2004: 171-77
- **Stem cell differentiation** *NATURE BIOTECHNOLOGY*
Salim, A., Giaccia, A. J., Longaker, M. T.
2004; 22 (7): 804-805
- **Creation and characterization of a mouse model of mandibular distraction osteogenesis** *BONE*
Fang, T. D., Nacamuli, R. P., Song, H. M., Fong, K. D., Warren, S. M., Salim, A., Carano, R. A., Filvaroff, E. H., Longaker, M. T.
2004; 34 (6): 1004-1012
- **Apoptosis in a rodent model of cranial suture fusion: In situ imaging and gene expression analysis** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Fong, K. D., Song, H. M., Nacamuli, R. P., Franc, B. L., Mari, C., Fang, T. D., Warren, S. M., Contag, C. H., Blankenberg, F. G., Longaker, M. T.
2004; 113 (7): 2037-2047
- **Adipose-derived adult stromal cells heal critical-size mouse calvarial defects** *NATURE BIOTECHNOLOGY*
Cowan, C. M., Shi, Y. Y., Aalami, O. O., Chou, Y. F., Mari, C., Thomas, R., Quarto, N., Contag, C. H., Wu, B., Longaker, M. T.
2004; 22 (5): 560-567

- **Highlights of the proceedings from the 10th International Congress of the International Society of Craniofacial Surgery.** *journal of craniofacial surgery*
Lorenz, H. P., Longaker, M. T.
2004; 15 (3): 533-537
- **Mechanisms of murine cranial suture patency mediated by a dominant negative transforming growth factor-beta receptor adenovirus** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Song, H. J., Fong, D., Nacamuli, R. P., Warren, S. M., Fang, T. D., Mathy, J. A., Cowan, C. M., Aalami, O. O., Longaker, M. T.
2004; 113 (6): 1685-1697
- **In vitro murine posterior frontal suture fate is age-dependent: Implications for cranial suture biology** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Song, H. J., Sahar, D. E., Fong, K. D., Nacamuli, R. P., Fang, T. D., Mathy, J. A., Aalami, O. O., Warren, S. M., Longaker, M. T.
2004; 113 (4): 1192-1204
- **Inhibition of TGF-beta-induced collagen production in rabbit flexor tendons.** *journal of hand surgery*
Zhang, A. Y., Pham, H., Ho, F., Teng, K., Longaker, M. T., Chang, J.
2004; 29 (2): 230-235
- **The fibroblast-populated collagen matrix as a model of wound healing: a review of the evidence** *WOUND REPAIR AND REGENERATION*
Carlson, M. A., Longaker, M. T.
2004; 12 (2): 134-47
- **Inhibition of TGF-beta-induced collagen production in rabbit flexor tendons** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Zhang, A. Y., Pham, H., Ho, F., Teng, K., Longaker, M. T., Chang, J.
2004; 29A (2): 230-235
- **Sutural bone deposition rate and strain magnitude during cranial development** *BONE*
Henderson, J. H., Longaker, M. T., Carter, D. R.
2004; 34 (2): 271-280
- **[The molecular biology of distraction osteogenesis].** *Revue de stomatologie et de chirurgie maxillo-faciale*
Boulétreau, P., Longaker, M. T.
2004; 105 (1): 23-25
- **Mechanobiology of mandibular distraction osteogenesis: experimental analyses with a rat model** *BONE*
Loboa, E. G., Fang, T. D., Warren, S. M., Lindsey, D. P., Fong, K. D., Longaker, M. T., Carter, D. R.
2004; 34 (2): 336-343
- **Flexor tendon wound healing in vitro: Lactate up-regulation of TGF-beta expression and functional activity** *47th Annual Meeting of the Plastic-Surgery-Research-Council*
Yalamanchi, N., Klein, M. B., Pham, H. M., Longaker, M. T., Chang, J.
LIPPINCOTT WILLIAMS & WILKINS.2004: 625-32
- **Tissue-engineered bone using mesenchymal stem cells and a biodegradable scaffold** *JOURNAL OF CRANIOFACIAL SURGERY*
Warren, S. M., Nacamuli, R. K., Song, H. J., Longaker, M. T.
2004; 15 (1): 34-37
- **Stem cells - Review and update** *ARCHIVES OF SURGERY*
Sylvester, K. G., Longaker, M. T.
2004; 139 (1): 93-99
- **From scarless fetal wounds to keloids: Molecular studies in wound healing** *WOUND REPAIR AND REGENERATION*
Yang, G. P., Lim, I. J., Phan, T. T., Lorenz, H. P., Longaker, M. T.
2003; 11 (6): 411-418
- **Mechanical strain affects dura mater biological processes: Implications for immature calvarial healing** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Fong, K. D., Warren, S. M., Loboa, E. G., Henderson, J. H., Fang, T. D., Cowan, C. M., Carter, D. R., Longaker, M. T.
2003; 112 (5): 1312-1327

- **Markers of osteoblast differentiation in fusing and nonfusing cranial sutures** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Nacamuli, R. P., Fong, K. D., Warren, S. M., Fang, T. D., Song, H. M., Helms, J. A., Longaker, M. T.
2003; 112 (5): 1328-1335
- **Tissue engineering and regenerative medicine** *CLINICS IN PLASTIC SURGERY*
Jenkins, D. D., Yang, G. P., Lorenz, H. P., Longaker, M. T., Sylvester, K. G.
2003; 30 (4): 581-?
- **Mechanical signal transduction in normal versus keloid fibroblasts** *89th Annual Clinical Congress of the American-College-of-Surgeons*
Wang, Z., Phan, T. T., Lim, I., Yang, G., Longaker, M.
ELSEVIER SCIENCE INC.2003: S52-S52
- **Age-associated differences in adipose-derived mesenchymal stromal cells** *89th Annual Clinical Congress of the American-College-of-Surgeons*
Shi, Y. Y., Nacamuli, R., Fong, K., Salim, A., Fang, T., Song, M., Cowan, K., Longaker, M.
ELSEVIER SCIENCE INC.2003: S46-S46
- **High dose retinoic acid modulates rat calvarial osteoblast biology** *89th Annual Clinical Congress of the American-College-of-Surgeons*
Song, M. H., Nacamuli, R., Bari, S., Fong, K., Fang, T., Shi, Y. Y., Warren, S., Longaker, M.
ELSEVIER SCIENCE INC.2003: S47-S47
- **Signal transduction in keloid versus normal human fibroblasts following serum stimulation** *89th Annual Clinical Congress of the American-College-of-Surgeons*
Xia, W., Phan, T. T., Lim, I., Yang, G., Longaker, M.
ELSEVIER SCIENCE INC.2003: S53-S53
- **Age-related changes in the biomolecular mechanisms of clvarial osteoblast biology affect fibroblast growth factor-2 signaling and osteogenesis** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Cowan, C. M., Quarto, N., Warren, S. M., Salim, A., Longaker, M. T.
2003; 278 (34): 32005-32013
- **FGF-2 stimulation affects calvarial osteoblast biology: Quantitative analysis of nine genes important for cranial suture biology by real-time reverse transcription polymerase chain reaction** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Mathy, J. A., Lenton, K., Nacamuli, R. P., Fong, K. D., Song, H. M., Fang, T. D., Yang, G. P., Longaker, M. T.
2003; 112 (2): 528-539
- **The influence of temperature on the degradation rate of LactoSorb Copolymer.** Pietrzak WS, Kumar M, Eppley BL. *J Craniofac Surg* 2003; 14:176-183. *journal of craniofacial surgery*
Fong, K. D., Nacamuli, R. P., Longaker, M. T.
2003; 14 (4): 594-595
- **Abstinence from smoking reduces incisional wound infection: A randomized, controlled triol** *ANNALS OF SURGERY*
Yang, G. P., Longaker, M. T.
2003; 238 (1): 6-8
- **Porous polymethylmethacrylate as bone substitute in the craniofacial area.** Bruens ML, Pieterman H, de Wijn JR, et al. *J Craniofac Surg* 2003; 14:63-68. *journal of craniofacial surgery*
Lenton, K. A., Nacamuli, R. P., Longaker, M. T.
2003; 14 (4): 596-598
- **In utero surgery for cleft lip/palate: Minimizing the "ripple effect" of scarring** *JOURNAL OF CRANIOFACIAL SURGERY*
Lorenz, H. P., Longaker, M. T.
2003; 14 (4): 504-511
- **Molecular cloning and expression of keratinocyte proline-rich protein, a novel squamous epithelial marker isolated during skin development** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Kong, W. Y., Longaker, M. T., Lorenz, H. P.
2003; 278 (25): 22781-22786
- **New strategies for craniofacial repair and replacement: A brief review** *JOURNAL OF CRANIOFACIAL SURGERY*
Fong, K. D., Nacamuli, R. P., Song, H. J., Warren, S. M., Lorenz, H. P., Longaker, M. T.

2003; 14 (3): 333-339

- **Scientific foundations - Equibiaxial tensile strain affects calvarial osteoblast biology** *JOURNAL OF CRANIOFACIAL SURGERY*
Fong, K. D., Nacamuli, R. P., Lobo, E. G., Henderson, J. H., Fang, T. D., Song, H. M., Cowan, C. M., Warren, S. M., Carter, D. R., Longaker, M. T.
2003; 14 (3): 348-355
- **Regional dura mater differentially regulates osteoblast gene expression** *JOURNAL OF CRANIOFACIAL SURGERY*
Warren, S. M., Greenwald, J. A., Nacamuli, R. P., Fong, K. D., Song, H. J., Fang, T. D., Mathy, J. A., Longaker, M. T.
2003; 14 (3): 363-370
- **Equibiaxial tensile strain affects calvarial osteoblast biology.** *journal of craniofacial surgery*
Fong, K. D., Nacamuli, R. P., Lobo, E. G., Henderson, J. H., Fang, T. D., Song, H. M., Cowan, C. M., Warren, S. M., Carter, D. R., Longaker, M. T.
2003; 14 (3): 348-355
- **The BMP antagonist noggin regulates cranial suture fusion** *NATURE*
Warren, S. M., Brunet, L. J., Harland, R. M., Economides, A. N., Longaker, M. T.
2003; 422 (6932): 625-629
- **Tools and techniques for craniofacial tissue engineering** *TISSUE ENGINEERING*
Warren, S. M., Fong, K. D., Chen, C. M., Lobo, E. G., Cowan, C. M., Lorenz, H. P., Longaker, M. T.
2003; 9 (2): 187-200
- **Reversed latissimus dorsi muscle flap for repair of recurrent congenital diaphragmatic hernia** *33rd Annual Meeting of the American-Pediatric-Surgical-Association*
Sydorak, R. M., Hoffman, W., LEE, H., Yingling, C. D., Longaker, M., Chang, J., Smith, B., Harrison, M. R., Albanese, C. T.
W B SAUNDERS CO-ELSEVIER INC.2003: 296-300
- **Wound splinting regulates granulation tissue survival**
Carlson, M. A., Longaker, M. T., Thompson, J. S.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2003: 304-9
- **[Inhibiting scar formation in rat cutaneous wounds by blocking TGF-beta signaling].** *Zhonghua yi xue za zhi*
Liu, W., Chua, C. H., Wu, X., Wang, D., Yin, D., Cui, L., Cao, Y., Longaker, M. T.
2003; 83 (1): 31-36
- **Methods for investigating fetal tissue repair.** *Methods in molecular medicine*
Peled, Z. M., Warren, S. M., Bouletreau, P. J., Longaker, M. T.
2003; 78: 149-159
- **In utero models of craniofacial surgery** *WORLD JOURNAL OF SURGERY*
Harling, T. R., Stelnicki, E. J., Hedrick, M. H., Longaker, M. T.
2003; 27 (1): 108-116
- **Retinoic acid-mediated effects on calvarial osteoblast differentiation and proliferation: Implications for retinoic acid-induced craniofacial abnormalities** *10th International Congress of the International-Society-of-Craniofacial-Surgery*
Song, H. M., Nacamuli, R. P., Xia, W., Bari, S., Fong, K. D., Fang, T. D., Shi, Y. Y., Warren, S. M., Longaker, M. T.
MEDIMOND PUBLISHING CO.2003: 493-495
- **In utero models of craniofacial surgery** *WORLD JOURNAL OF SURGERY*
Harling, T. R., Stelnicki, E. J., Hedrick, M. H., Longaker, M. T.
2003; 27 (1): 108-116
- **Medial canthal reconstruction using a medially based upper eyelid myocutaneous flap** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Jelks, G. W., Glat, P. M., Jelks, E. B., Longaker, M. T.
2002; 110 (7): 1636-1643
- **Matrix metalloproteinases and the ontogeny of scarless repair: The other side of the wound healing balance** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Peled, Z. M., Phelps, E. D., Updike, D. L., Chang, J., Krummel, T. M., Howard, E. W., Longaker, M. T.
2002; 110 (3): 801-811

- **Adenovirus-mediated transmission of a dominant negative transforming growth factor-beta receptor inhibits in vitro mouse cranial suture fusion** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Mehrra, B. J., Spector, J. A., Greenwald, J. A., Ueno, H., Longaker, M. T.
2002; 110 (2): 506-514
- **Flexor tendon healing in vitro: effects of TGF-beta on tendon cell collagen production.** *journal of hand surgery*
Klein, M. B., Yalamanchi, N., Pham, H., Longaker, M. T., Chang, J.
2002; 27 (4): 615-620
- **Flexor tendon healing in vitro: Effects of TGF-beta on tendon cell collaizen production** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Klein, M. B., Yalamanchi, N., Pham, H., Longaker, M. T., Chang, J.
2002; 27A (4): 615-620
- **Fibroblasts cocultured with keloid keratinocytes: normal fibroblasts secrete collagen in a keloidlike manner** *87th Annual Clinical Congress of the American-College-of-Surgeons*
Lim, I. J., Phan, T. T., Bay, B. H., Qi, R., Huynh, H., Tan, W. T., LEE, S. T., Longaker, M. T.
AMER PHYSIOLOGICAL SOC.2002: C212-C222
- **Factors in the fracture microenvironment induce primary osteoblast angiogenic cytokine production** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Bouletreau, P. J., Warren, S. M., Spector, J. A., Steinbrech, D. S., Mehrra, B. J., Longaker, M. T.
2002; 110 (1): 139-148
- **Re: Sequence analysis of fibroblast growth factor receptor 2 (FGFR2) in Japanese patients with craniosynostosis. Sakai et al. J Craniofac. Surg. 2001, 12: 580-585.** *journal of craniofacial surgery*
Warren, S. M., Longaker, M. T.
2002; 13 (4): 597-599
- **Hypoxia and VEGF up-regulate BMP-2 mRNA and protein expression in microvascular endothelial cells: Implications for fracture healing** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Bouletreau, P. J., Warren, S. M., Spector, J. A., Peled, Z. M., Gerrets, R. P., Greenwald, J. A., Longaker, M. T.
2002; 109 (7): 2384-2397
- **Transport distraction osteogenesis: A new method to heal adult calvarial defects** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Bouletreau, P. J., Warren, S. M., Paccione, M. F., Spector, J. A., McCarthy, J. G., Longaker, M. T.
2002; 109 (3): 1074-1084
- **Granulation tissue regression induced by musculocutaneous advancement flap coverage**
Carlson, M. A., Longaker, M. T., Thompson, J. S.
MOSBY, INC.2002: 332-37
- **Co-culture of osteoblasts, with immature dural cells causes an increased rate and degree of osteoblast differentiation** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Spector, J. A., Greenwald, J. A., Warren, S. M., Bouletreau, P. J., Crisera, F. E., Mehrra, B. J., Longaker, M. T.
2002; 109 (2): 631-642
- **Dura mater biology: Autocrine and paracrine effects of fibroblast growth factor 2** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Spector, J. A., Greenwald, J. A., Warren, S. M., Bouletreau, P. J., Detch, R. C., Fagenholz, P. J., Crisera, F. E., Longaker, M. T.
2002; 109 (2): 645-654
- **The molecular biology of distraction osteogenesis** *JOURNAL OF CRANIO-MAXILLOFACIAL SURGERY*
Bouletreau, P. J., Warren, S. M., Longaker, M. T.
2002; 30 (1): 1-11
- **Overhealing, underhealing, and skin regeneration: a new perspective on wound healing.** *Asian journal of surgery*
Peled, Z. M., Galiano, R., Chin, G. S., Chang, J., Krummel, T. M., Longaker, M. T.
2002; 25 (1): 102-110
- **The pathogenesis of craniosynostosis in the fetus** *YONSEI MEDICAL JOURNAL*
Warren, S. M., Longaker, M. T.

2001; 42 (6): 646-659

- **Gene expression of transforming growth factor beta isoforms in interposition nerve grafting.** *journal of hand surgery*
Karanas, Y. L., Bogdan, M. A., Lineaweaver, W. C., Hentz, V. R., Longaker, M. T., Chang, J.
2001; 26 (6): 1082-1087
- **Gene expression of transforming growth factor beta isoforms in interposition nerve grafting** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Karanas, Y. L., Bogdan, M. A., Lineaweaver, W. C., Hentz, V. R., Longaker, M. T., Chang, J.
2001; 26A (6): 1082-1087
- **Fetal wound healing: Progress report and future directions** *SURGERY*
Longaker, N. T., Peled, Z. M., Chang, J., Krummel, T. M.
2001; 130 (5): 785-787
- **The ontogeny of scarless healing II: EGF and PDGF-B gene expression in fetal rat skin and fibroblasts as a function of gestational age** *ANNALS OF PLASTIC SURGERY*
Peled, Z. M., Rhee, S. J., HSU, M., Chang, J., Krummel, T. M., Longaker, M. T.
2001; 47 (4): 417-424
- **New directions in plastic surgery research** *CLINICS IN PLASTIC SURGERY*
Warren, S. M., Longaker, M. T.
2001; 28 (4): 719-?
- **Differential expression of transforming growth factor-beta receptors in a rabbit zone II flexor tendon wound healing model** *69th Annual Meeting of the American-Society-of-Plastic-and-Reconstructive-Surgeons*
Ngo, M., Pham, H., Longaker, M. T., Chang, J.
LIPPINCOTT WILLIAMS & WILKINS.2001: 1260-67
- **A mouse model of mandibular osteotomy healing** *JOURNAL OF CRANIOFACIAL SURGERY*
Paccione, M. F., Warren, S. M., Spector, J. A., Greenwald, J. A., Bouletreau, P. J., Longaker, M. T.
2001; 12 (5): 444-450
- **Differential expression of transforming growth factor-beta receptors I and II and activation of Smad 3 in keloid fibroblasts** *85th Annual Meeting of the American-College-of-Surgeons Surgical Forum*
Chin, G. S., Liu, W., Peled, Z., Lee, T. Y., Steinbrech, D. S., HSU, M., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2001: 423-29
- **Importance of the nasal-to-cervical relationship to the profile in rhinoplasty surgery** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Greer, S. E., Matarasso, A., Wallach, S. G., Simon, G., Longaker, M. T.
2001; 108 (2): 522-531
- **Retinoid signaling directs secondary lineage selection in pancreatic organogenesis** *JOURNAL OF PEDIATRIC SURGERY*
Kadison, A., Kim, J., Maldonado, T., Crisera, C., Prasad, K., Manna, P., Preuett, B., Hembree, M., Longaker, M., Gittes, G.
2001; 36 (8): 1150-1156
- **Role of TGF-beta signaling in the regulation of programmed cranial suture fusion** *JOURNAL OF CRANIOFACIAL SURGERY*
Longaker, M. T.
2001; 12 (4): 389-390
- **Quantitative assessment of cranial defect healing and correlation with the expression of TGF-beta** *JOURNAL OF CRANIOFACIAL SURGERY*
Gosain, A. K., Song, L. S., Yu, P. R., Mehrara, B. J., Maeda, C. Y., Gold, L. I., Longaker, M. T.
2001; 12 (4): 401-404
- **Hypoxia regulates osteoblast gene expression** *JOURNAL OF SURGICAL RESEARCH*
Warren, S. M., Steinbrech, D. S., Mehrara, B. J., Saadeh, P. B., Greenwald, J. A., Spector, J. A., Bouletreau, P. J., Longaker, M. T.
2001; 99 (1): 147-155
- **Ontogeny of expression of transforming growth factor-beta 1 (TGF-beta 1), TGF-beta 3, and TGF-beta receptors I and II in fetal rat fibroblasts and skin** *PLASTIC AND RECONSTRUCTIVE SURGERY*

- HSU, M., Peled, Z. M., Chin, G. S., Liu, W., Longaker, M. T.
2001; 107 (7): 1787-1794
- **Distraction osteogenesis of the craniofacial skeleton** *PLASTIC AND RECONSTRUCTIVE SURGERY*
McCarthy, J. G., Stelnicki, E. J., Mehrara, B. J., Longaker, M. T.
2001; 107 (7): 1812-1827
 - **Auricular reconstruction: Indications for autogenous and prosthetic techniques** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Thorne, C. H., Brecht, L. E., Bradley, J. P., Levine, J. P., Hammerschlag, P., Longaker, M. T.
2001; 107 (5): 1241-1251
 - **Matrix metalloproteinase involvement in fetal wound healing**
Phelps, E. D., Peled, Z., Longaker, M. T., Howard, E. W.
FEDERATION AMER SOC EXP BIOL.2001: A26
 - **Discoidin domain receptors and their ligand, collagen, are temporally regulated in fetal rat fibroblasts in vitro** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Chin, G. S., Lee, S., HSU, M., Liu, W., Kim, W. J., Levinson, H., Longaker, M. T.
2001; 107 (3): 769-776
 - **Subatmospheric pressure dressing for saphenous vein donor-site complications** *ANNALS OF THORACIC SURGERY*
Greer, S. E., Grossi, E. A., Chin, D., Longaker, M. T.
2001; 71 (3): 1038-1040
 - **Rat mandibular distraction osteogenesis: Latency, rate, and rhythm determine the adaptive response** *JOURNAL OF CRANIOFACIAL SURGERY*
Paccione, M. F., Mehrara, B. J., Warren, S. M., Greenwald, J. A., Spector, J. A., Luchs, J. S., Longaker, M. T.
2001; 12 (2): 175-182
 - **Osteoblast gene expression is differentially regulated by TGF-beta isoforms** *JOURNAL OF CRANIOFACIAL SURGERY*
Fagenholz, P. J., Warren, S. M., Greenwald, J. A., Bouletreau, P. J., Spector, J. A., Crisera, F. E., Longaker, M. T.
2001; 12 (2): 183-190
 - **New developments in cranial suture research** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Warren, S. M., Greenwald, J. A., Spector, J. A., Bouletreau, P., Mehrara, B. J., Longaker, M. T.
2001; 107 (2): 523-540
 - **Rat mandibular distraction osteogenesis: Part III. Gradual distraction versus acute lengthening** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Warren, S. M., Mehrara, B. J., Steinbrech, D. S., Paccione, M. F., Greenwald, J. A., Spector, J. A., Longaker, M. T.
2001; 107 (2): 441-453
 - **In vivo modulation of FGF biological activity alters cranial suture fate** *AMERICAN JOURNAL OF PATHOLOGY*
Greenwald, J. A., Mehrara, B. J., Spector, J. A., Warren, S. M., Fagenholz, P. J., Smith, L. P., Bouletreau, P. J., Crisera, F. E., Ueno, H., Longaker, M. T.
2001; 158 (2): 441-?
 - **Expression of bone morphogenetic proteins during membranous bone healing** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Spector, J. A., Luchs, J. S., Mehrara, B. J., Greenwald, J. A., Smith, L. P., Longaker, M. T.
2001; 107 (1): 124-134
 - **A novel model of mouse mandibular osteotomy healing** *9th International Congress of the International-Society-of-Craniofacial-Surgery*
Saadeh, P., Paccione, M., Warren, S., Bouletreau, P., Longaker, M.
MEDIMOND S R L.2001: 113-115
 - **In vivo modification of FGF-biologic activity alters cranial suture fate** *9th International Congress of the International-Society-of-Craniofacial-Surgery*
Longaker, M., Greenwald, J., Mehrara, B., Spector, J., Warren, S., Fagenholz, P., Smith, L., Bouletreau, P., Crisera, F., Ueno, H.
MEDIMOND S R L.2001: 93-96

- **Understanding the molecular mechanisms governing distraction osteogenesis** *9th International Congress of the International-Society-of-Craniofacial-Surgery*
Mehrra, B., Warren, S., Bouletreau, P., Paccione, M., Longaker, M.
MEDIMOND S R L.2001: 97–100
- **Immature dura mater paracrine signaling increases osteoblast proliferation and differentiation** *9th International Congress of the International-Society-of-Craniofacial-Surgery*
Fagenholz, P., Spector, J., Greenwald, J., Warren, S., Detch, R., Mehrra, B., Longaker, M.
MEDIMOND S R L.2001: 81–84
- **The autocrine and paracrine effects of FGF-2 on dura mater: Implications for calvarial growth and re-ossification** *9th International Congress of the International-Society-of-Craniofacial-Surgery*
Smith, L., Spector, J., Greenwald, J., Warren, S., Bouletreau, P., Detch, R., Fagenholz, P., Crisera, F., Longaker, M.
MEDIMOND S R L.2001: 121–124
- **Regional dura mater determines fate of overlying cranial suture** *9th International Congress of the International-Society-of-Craniofacial-Surgery*
Greenwald, J., Mehrra, B., Spector, J., Warren, S., Crisera, F., Fagenholz, P., Bouletreau, P., Longaker, M.
MEDIMOND S R L.2001: 89–92
- **Latency, rate, and rhythm determine the adaptive response in a rat model of mandibular distraction osteogenesis** *9th International Congress of the International-Society-of-Craniofacial-Surgery*
Paccione, M., Warren, S., Mehrra, B., Bouletreau, P., Longaker, M.
MEDIMOND S R L.2001: 173–175
- **Understanding the molecular mechanisms governing distraction osteogenesis** *9th International Congress of the International-Society-of-Craniofacial-Surgery*
Mehrra, B., Warren, S., Bouletreau, P., Paccione, M., Longaker, M.
MEDIMOND S R L.2001: 97–100
- **Immature dura mater paracrine signaling increases osteoblast proliferation and differentiation** *9th International Congress of the International-Society-of-Craniofacial-Surgery*
Fagenholz, P., Spector, J., Greenwald, J., Warren, S., Detch, R., Mehrra, B., Longaker, M.
MEDIMOND S R L.2001: 81–84
- **The autocrine and paracrine effects of FGF-2 on dura mater: Implications for calvarial growth and re-ossification** *9th International Congress of the International-Society-of-Craniofacial-Surgery*
Smith, L., Spector, J., Greenwald, J., Warren, S., Bouletreau, P., Detch, R., Fagenholz, P., Crisera, F., Longaker, M.
MEDIMOND S R L.2001: 121–124
- **Regional dura mater determines fate of overlying cranial suture** *9th International Congress of the International-Society-of-Craniofacial-Surgery*
Greenwald, J., Mehrra, B., Spector, J., Warren, S., Crisera, F., Fagenholz, P., Bouletreau, P., Longaker, M.
MEDIMOND S R L.2001: 89–92
- **Latency, rate, and rhythm determine the adaptive response in a rat model of mandibular distraction osteogenesis** *9th International Congress of the International-Society-of-Craniofacial-Surgery*
Paccione, M., Warren, S., Mehrra, B., Bouletreau, P., Longaker, M.
MEDIMOND S R L.2001: 173–175
- **Regional differentiation of cranial suture-associated dura mater in vivo and in vitro: Implications for suture fusion and patency** *JOURNAL OF BONE AND MINERAL RESEARCH*
Greenwald, J. A., Mehrra, B. J., Spector, J. A., Warren, S. M., Crisera, F. E., Fagenholz, P. J., Bouletreau, P. J., Longaker, M. T.
2000; 15 (12): 2413-2430
- **Gene expression of transforming growth factor-beta 3 and tissue inhibitor of metalloproteinase type 1 during membranous bone healing in rats** *JOURNAL OF CRANIOFACIAL SURGERY*
Bouletreau, P. J., Steinbrech, D., Spector, J. A., Warren, S. M., Greenwald, J. A., Mehrra, B. J., Detch, R. C., Longaker, M. T.
2000; 11 (6): 521-526
- **The effects of ionizing radiation on osteoblast-like cells in vitro** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Dudziak, M. E., Saadeh, P. B., Mehrra, B. J., Steinbrech, D. S., Greenwald, J. A., Gittes, G. K., Longaker, M. T.
2000; 106 (5): 1049-1061

- **"Ring" lipoma causing extensor tenosynovitis** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Sharma, S., Tiwari, P., Longaker, M. T.
2000; 106 (5): 1072-1074
- **A molecular analysis of the isolated rat posterior frontal and sagittal sutures: Differences in gene expression** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Spector, J. A., Mehrara, B. J., Greenwald, J. A., Saadeh, P. B., Steinbrech, D. S., Smith, L. P., Longaker, M. T.
2000; 106 (4): 852-861
- **Immature versus mature dura mater: II. Differential expression of genes important to calvarial reossification** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Greenwald, J. A., Mehrara, B. J., Spector, J. A., Fagenholz, P. J., Saadeh, P. B., Steinbrech, D. S., Gittes, G. K., Longaker, M. T.
2000; 106 (3): 630-638
- **Differential expression of fibromodulin, a transforming growth factor-beta modulator, in fetal skin development and scarless repair** *83rd Annual Clinical Congress of the American-College-of-Surgeons*
Soo, C., Hu, F. Y., Zhang, X. L., Wang, Y., Beanes, S. R., Lorenz, H. P., Hedrick, M. H., Mackool, R. J., Plaas, A., Kim, S. J., Longaker, M. T., Freymiller, E., Ting, et al
ELSEVIER SCIENCE INC.2000: 423-33
- **The true hanging columella: Simplified diagnosis and treatment using a modified direct approach** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Matarasso, A., Greer, S. E., Longaker, M. T.
2000; 106 (2): 469-474
- **Reconstruction of a tibial defect with microvascular transfer of a previously fractured fibula** *ANNALS OF PLASTIC SURGERY*
Sharma, S., Tiwari, P., Kasabian, A. K., Longaker, M. T.
2000; 45 (2): 202-206
- **Mechanisms of fibroblast growth factor-2 modulation of vascular endothelial growth factor expression by osteoblastic cells** *ENDOCRINOLOGY*
Saadeh, P. B., Mehrara, B. J., Steinbrech, D. S., Spector, J. A., Greenwald, J. A., Chim, G. S., Ueno, H., Gittes, G. K., Longaker, M. T.
2000; 141 (6): 2075-2083
- **Traumatic abdominal wall pseudolipoma following suction-assisted lipectomy** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Sharma, S., Perrotti, J. A., Longaker, M. T.
2000; 105 (7): 2589-2592
- **The impact of biomolecular medicine and tissue engineering on plastic surgery in the 21st century** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Lorenz, H. P., Hedrick, M. H., Chang, J., Mehrara, B. J., Longaker, M. T.
2000; 105 (7): 2467-2481
- **In vitro validation of duct differentiation in developing embryonic mouse pancreas** *JOURNAL OF SURGICAL RESEARCH*
Kadison, A. S., Maldonado, T. S., Crisera, C. A., Longaker, M. T., Gittes, G. K.
2000; 90 (2): 126-130
- **Gene expression of TGF-beta, TGF-beta receptor, and extracellular matrix proteins during membranous bone healing in rats** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Steinbrech, D. S., Mehrara, B. J., Rowe, N. M., Dudziak, M. E., Luchs, J. S., Saadeh, P. B., Gittes, G. K., Longaker, M. T.
2000; 105 (6): 2028-2038
- **The use of newborn rats and an adenoviral gene delivery vector as a model system for wound-healing research** *ANNALS OF PLASTIC SURGERY*
Liu, W., Mehrara, B. J., Chin, G. S., HSU, M., Peled, Z., Longaker, M. T.
2000; 44 (5): 543-551
- **Ontogeny of activin B and follistatin in developing embryonic mouse pancreas: Implications for lineage selection** *JOURNAL OF GASTROINTESTINAL SURGERY*
Maldonado, T. S., Kadison, A. S., Crisera, C. A., Grau, J. B., Alkasab, S. L., Longaker, M. T., Gittes, G. K.
2000; 4 (3): 269-275

- **Defective epithelial-mesenchymal interactions dictate the organogenesis of tracheoesophageal fistula** *PEDIATRIC SURGERY INTERNATIONAL*
Crisera, C. A., Grau, J. B., Maldonado, T. S., Kadison, A. S., Longaker, M. T., Gittes, G. K.
2000; 16 (4): 256-261
- **"Pumping the regenerate": An evaluation of oscillating distraction osteogenesis in the rodent mandible** *16th Annual Meeting of the Northeastern-Society-of-Plastic-Surgeons*
Greenwald, J. A., Luchs, J. S., Mehrara, B. J., Spector, J. A., Mackool, R. J., McCarthy, J. G., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2000: 516-21
- **Expression of adenovirally delivered gene products in healing osseous tissues** *16th Annual Meeting of the Northeastern-Society-of-Plastic-Surgeons*
Spector, J. A., Mehrara, B. J., Luchs, J. S., Greenwald, J. A., Fagenholz, P. J., Saadeh, P. B., Steinbrech, D. S., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2000: 522-28
- **Hypoxia increases insulinlike growth factor gene expression in rat osteoblasts** *16th Annual Meeting of the Northeastern-Society-of-Plastic-Surgeons*
Steinbrech, D. S., Mehrara, B. J., Saadeh, P. B., Greenwald, J. A., Spector, J. A., Gittes, G. K., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2000: 529-34
- **VEGF expression in an osteoblast-like cell line is regulated by a hypoxia response mechanism** *AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY*
Steinbrech, D. S., Mehrara, B. J., Saadeh, P. B., Greenwald, J. A., Spector, J. A., Gittes, G. K., Longaker, M. T.
2000; 278 (4): C853-C860
- **Biomolecular mechanisms of calvarial bone induction: Immature versus mature dura mater** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Greenwald, J. A., Mehrara, B. J., Spector, J. A., Chin, G. S., Steinbrech, D. S., Saadeh, P. B., Luchs, J. S., Paccione, M. F., Gittes, G. K., Longaker, M. T.
2000; 105 (4): 1382-1392
- **Lip service for the stiff upper lip** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Zide, B. M., Bradley, J. P., Longaker, M. T.
2000; 105 (3): 1154-1158
- **Controlled multiplanar distraction of the mandible part III: Laboratory studies of sagittal (anteroposterior) and horizontal (mediolateral) movements** *JOURNAL OF CRANIOFACIAL SURGERY*
Hollier, L. H., Rowe, N. M., Mackool, R. J., Williams, J. K., Kim, J. H., Longaker, M. T., Grayson, B. H., McCarthy, J. G.
2000; 11 (2): 83-95
- **Differential expression of matrix metalloproteinases and their tissue-derived inhibitors in cutaneous wound repair** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Soo, C., Shaw, W. W., Zhang, X. L., Longaker, M. T., Howard, E. W., Ting, K.
2000; 105 (2): 638-647
- **Studies in flexor tendon wound healing: Neutralizing antibody to TGF-beta 1 increases postoperative range of motion** *Annual Scientific Meeting of the American-College-of-Surgeons*
Chang, J., Thunder, R., Most, D., Longaker, M. T., Lineaweaver, W. C.
LIPPINCOTT WILLIAMS & WILKINS.2000: 148-55
- **A rat model of gingivoperiosteoplasty** *JOURNAL OF CRANIOFACIAL SURGERY*
Mehrara, B. J., Saadeh, P. B., Steinbrech, D. S., Dudziak, M., Grayson, B. H., Cutting, C. B., McCarthy, J. G., Gittes, G. K., Longaker, M. T.
2000; 11 (1): 54-58
- **Chin surgery: II. Submental ostectomy and soft-tissue excision** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Zide, B. M., Longaker, M. T.
1999; 104 (6): 1854-1860
- **The use of subatmospheric pressure dressing for the coverage of radial forearm free flap donor-site exposed tendon complications** *ANNALS OF PLASTIC SURGERY*
Greer, S. E., Longaker, M. T., Margiotta, M., Mathews, A. J., Kasabian, A.
1999; 43 (5): 551-554

- **Chin surgery: I. Augmentation - The allures and the alerts** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Zide, B. M., Pfeifer, T. M., Longaker, M. T.
1999; 104 (6): 1843-1853
- **Transforming growth factor-beta 1 modulates the expression of vascular endothelial growth factor by osteoblasts** *AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY*
Saadeh, P. B., Mehrara, B. J., Steinbrech, D. S., Dudziak, M. E., Greenwald, J. A., Luchs, J. S., Spector, J. A., Ueno, H., Gittes, G. K., Longaker, M. T.
1999; 277 (4): C628-C637
- **Hypoxia regulates VEGF expression and cellular proliferation by osteoblasts in vitro** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Steinbrech, D. S., Mehrara, B. J., Saadeh, P. B., Chin, G., Dudziak, M. E., Gerrets, R. P., Gittes, G. K., Longaker, M. T.
1999; 104 (3): 738-747
- **New developments in craniofacial surgery research** *CLEFT PALATE-CRANIOFACIAL JOURNAL*
Mehrara, B. J., Longaker, M. T.
1999; 36 (5): 377-387
- **Regional differentiation of rat cranial suture-derived dural cells is dependent on association with fusing and patent cranial sutures** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Mehrara, B. J., Greenwald, J., Chin, G. S., Dudziak, M., Sagrioglu, J., Steinbrech, D. S., Saadeh, P. B., Gittes, G. K., Longaker, M. T.
1999; 104 (4): 1003-1013
- **Basic fibroblast growth factor and transforming growth factor beta-1 expression in the developing dura mater correlates with calvarial bone formation** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Mehrara, B. J., Most, D., Chang, J., Bresnick, S., Turk, A., Schendel, S. A., Gittes, G. K., Longaker, M. T.
1999; 104 (2): 435-444
- **Molecular approaches to understanding organogenesis.** *Seminars in pediatric surgery*
Crisera, C. A., Longaker, M. T., Gittes, G. K.
1999; 8 (3): 109-118
- **Fetal wound repair: where do we go from here?** *Seminars in pediatric surgery*
Stelnicki, E. J., Chin, G. S., Gittes, G. K., Longaker, M. T.
1999; 8 (3): 124-130
- **Adenovirus-mediated gene therapy of osteoblasts in vitro and in vivo** *JOURNAL OF BONE AND MINERAL RESEARCH*
Mehrara, B. J., Saadeh, P. B., Steinbrech, D. S., Dudziak, M., Spector, J. A., Greenwald, J. A., Gittes, G. K., Longaker, M. T.
1999; 14 (8): 1290-1301
- **Fibroblast response to hypoxia: The relationship between angiogenesis and matrix regulation** *Annual Meeting of the Association-for-Academic-Surgery*
Steinbrech, D. S., Longaker, M. T., Mehrara, B. J., Saadeh, P. B., Chin, G. S., Gerrets, R. P., Chau, D. C., Rowe, N. M., Gittes, G. K.
ACADEMIC PRESS INC ELSEVIER SCIENCE.1999: 127-33
- **Expression of high-affinity receptors for TGF-beta during rat cranial suture fusion** *Meeting of the Northeastern-Society-of-Plastic-Surgeons*
Mehrara, B. J., Steinbrech, D. S., Saadeh, P. B., Gittes, G. K., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.1999: 502-8
- **The ontogeny of TGF-beta 1, -beta 2, -beta 3, and TGF-beta receptor-II expression in the pancreas: Implications for regulation of growth and differentiation** *JOURNAL OF PEDIATRIC SURGERY*
Crisera, C. A., Rose, M. I., Connelly, P. R., Li, M., Colen, K. L., Longaker, M. T., Gittes, G. K.
1999; 34 (5): 689-693
- **Angiogenesis during mandibular distraction osteogenesis** *Meeting of the Northeastern-Society-of-Plastic-Surgeons*
Rowe, N. M., Mehrara, B. J., Luchs, J. S., Dudziak, M. E., Steinbrech, D. S., Illei, P. B., Fernandez, G. J., Gittes, G. K., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.1999: 470-75
- **Chondrocyte extraction, proliferation, and characterization for construct development** *Meeting of the Northeastern-Society-of-Plastic-Surgeons*
Saadeh, P. B., Brent, B., Mehrara, B. J., Steinbrech, D. S., Ting, V., Gittes, G. K., Longaker, M. T.

LIPPINCOTT WILLIAMS & WILKINS.1999: 509–13

- **Gene expression of insulin-like growth factors I and II in rat membranous osteotomy healing** *Meeting of the Northeastern-Society-of-Plastic-Surgeons*
Steinbrech, D. S., Mehrara, B. J., Rowe, N. M., Dudziak, M. E., Saadeh, P. B., Gittes, G. K., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.1999: 481–87
- **Human cartilage engineering: chondrocyte extraction, proliferation, and characterization for construct development.** *Annals of plastic surgery*
Saadeh, P. B., Brent, B., Mehrara, B. J., Steinbrech, D. S., Ting, V., Gittes, G. K., Longaker, M. T.
1999; 42 (5): 509-513
- **Craniofacial distraction osteogenesis** *JOURNAL OF CRANIOFACIAL SURGERY*
Hollier, L. H., Gosain, A., Stelnecki, E., Longaker, M., McCarthy, J. G.
1999; 10 (3): 268-282
- **The ontogeny of TGF-beta 1, -beta 2, -beta 3, and TGF-beta receptor-II expression in the pancreas: Implications for regulation of growth and differentiation** *JOURNAL OF PEDIATRIC SURGERY*
Crisera, C. A., Rose, M. I., Connelly, P. R., Li, M., Colen, K. L., Longaker, M. T., Gittes, G. K.
1999; 34 (5): 689-693
- **Angiogenesis during mandibular distraction osteogenesis** *Meeting of the Northeastern-Society-of-Plastic-Surgeons*
Rowe, N. M., Mehrara, B. J., Luchs, J. S., Dudziak, M. E., Steinbrech, D. S., Illei, P. B., Fernandez, G. J., Gittes, G. K., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.1999: 470–75
- **Chondrocyte extraction, proliferation, and characterization for construct development** *Meeting of the Northeastern-Society-of-Plastic-Surgeons*
Saadeh, P. B., Brent, B., Mehrara, B. J., Steinbrech, D. S., Ting, V., Gittes, G. K., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.1999: 509–13
- **Gene expression of insulin-like growth factors I and II in rat membranous osteotomy healing** *Meeting of the Northeastern-Society-of-Plastic-Surgeons*
Steinbrech, D. S., Mehrara, B. J., Rowe, N. M., Dudziak, M. E., Saadeh, P. B., Gittes, G. K., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.1999: 481–87
- **Human cartilage engineering: chondrocyte extraction, proliferation, and characterization for construct development.** *Annals of plastic surgery*
Saadeh, P. B., Brent, B., Mehrara, B. J., Steinbrech, D. S., Ting, V., Gittes, G. K., Longaker, M. T.
1999; 42 (5): 509-513
- **Primary and secondary orbit surgery: The transconjunctival approach** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Lorenz, H. P., Longaker, M. T., Kawamoto, H. K.
LIPPINCOTT WILLIAMS & WILKINS.1999: 1124–28
- **Rat mandibular distraction osteogenesis: II. Molecular analysis of transforming growth factor beta-1 and osteocalcin gene expression** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Mehrara, B. J., Rowe, N. M., Steinbrech, D. S., Dudziak, M. E., Saadeh, P. B., McCarthy, J. G., Gittes, G. K., Longaker, M. T.
1999; 103 (2): 536-547
- **Large arteriovenous malformations of the face: Aesthetic results with recurrence control** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Bradley, J. P., Zide, B. M., Berenstein, A., Longaker, M. T.
1999; 103 (2): 351-361
- **Proliferative hemangiomas: Analysis of cytokine gene expression and angiogenesis** *66th Annual Meeting of the American-Society-of-Plastic-and-Reconstructive-Surgeons*
Chang, J., Most, D., Bresnick, S., Mehrara, B., Steinbrech, D. S., Reinisch, J., Longaker, M. T., Turk, A. E.
LIPPINCOTT WILLIAMS & WILKINS.1999: 1–9
- **Esophageal atresia with tracheoesophageal fistula: Suggested mechanism in faulty organogenesis** *JOURNAL OF PEDIATRIC SURGERY*
Crisera, C. A., Connelly, P. R., Marmureanu, A. R., Colen, K. L., Rose, M. I., Li, M., Longaker, M. T., Gittes, G. K.

1999; 34 (1): 204-208

- **Natural history of fetuses with cleft lip** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Lopoo, J. B., Hedrick, M. H., Chasen, S., Montgomery, L., Chervenak, F. A., Goldstein, R., Hoffman, W. Y., Harrison, M. R., Longaker, M. T.
1999; 103 (1): 34-38
- **Molecular studies in flexor tendon wound healing: the role of basic fibroblast growth factor gene expression.** *journal of hand surgery*
Chang, J., Most, D., Thunder, R., Mehrara, B., Longaker, M. T., Lineaweaver, W. C.
1998; 23 (6): 1052-1058
- **Molecular studies in flexor tendon wound healing: The role of basic fibroblast growth factor gene expression** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Chang, J., Most, D., Thunder, R., Mehrara, B., Longaker, M. T., Lineaweaver, W. C.
1998; 23A (6): 1052-1058
- **Rat mandibular distraction osteogenesis: Part I. Histologic and radiographic analysis** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Rowe, N. M., Mehrara, B. J., Dudziak, M. E., Steinbreck, D. S., Mackool, R. J., Gittes, G. K., McCarthy, J. G., Longaker, M. T.
1998; 102 (6): 2022-2032
- **The combination of endoscopy and distraction osteogenesis in the development of a canine midface advancement model** *JOURNAL OF CRANIOFACIAL SURGERY*
Levine, J. P., Rowe, N. M., Bradley, J. P., Williams, J. K., Mackool, R. J., Longaker, M. T., McCarthy, J. G.
1998; 9 (5): 423-432
- **Scarless healing - The fetal wound** *CLINICS IN PLASTIC SURGERY*
Mackool, R. J., Gittes, G. K., Longaker, M. T.
1998; 25 (3): 357-?
- **Periorbital melanocytic lesions: Excision and reconstruction in 40 patients** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Glat, P. M., Longaker, M. T., Jelks, E. B., Spector, J. A., Roses, D. F., Shapiro, R. A., Zide, P. M., Jelks, G. W.
1998; 102 (1): 19-27
- **Studies in cranial suture biology: Regional dura mater determines overlying suture biology** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Levine, J. P., Bradley, J. P., Roth, D. A., McCarthy, J. G., Longaker, M. T.
1998; 101 (6): 1441-1447
- **In vitro prefabrication of human cartilage shapes using fibrin glue and human chondrocytes** *ANNALS OF PLASTIC SURGERY*
Ting, V., Sims, C. D., Brecht, L. E., McCarthy, J. G., Kasabian, A. K., Connelly, P. R., Elisseff, J., Gittes, G. K., Longaker, M. T.
1998; 40 (4): 413-420
- **Vascular lip enlargement .2. Port-wine macrocheilia - Tenets of therapy based on normative values** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Zide, B. M., Glat, P. M., Stile, F. L., Longaker, M. T.
1997; 100 (7): 1674-1681
- **Vascular lip enlargement .1. Hemangiomas - Tenets of therapy** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Zide, B. M., Glat, P. H., Stile, F. L., Longaker, M. T.
1997; 100 (7): 1664-1673
- **Wound healing is accelerated by agonists of adenosine A(2) (G(alpha s)-linked) receptors** *JOURNAL OF EXPERIMENTAL MEDICINE*
Montesinos, M. C., Gadangi, P., Longaker, M., Sung, J., Levine, J., Nilsen, D., Reibman, J., Li, M., Jiang, C. K., Hirschhorn, R., Recht, P. A., Ostad, E., Levin, et al
1997; 186 (9): 1615-1620
- **Evolution of the lateral canthoplasty: Techniques and indications** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Glat, P. M., Jelks, G. W., Jelks, E. B., Wood, M., Gadangi, P., Longaker, M. T.
1997; 100 (6): 1396-1405
- **The inferior retinacular lateral canthoplasty: A new technique** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Jelks, G. W., Glat, P. M., Jelks, E. B., Longaker, M. T.
1997; 100 (5): 1262-1270

- **Gene expression of transforming growth factor beta-1 in rabbit zone II flexor tendon wound healing: Evidence for dual mechanisms of repair** *Annual Meeting of the American-Society-of-Plastic-and-Reconstructive-Surgeons*
Chang, J., Most, D., Stelnicki, E., Siebert, J. W., Longaker, M. T., Hui, K., Lineaweaver, W. C.
LIPPINCOTT WILLIAMS & WILKINS.1997: 937-44
- **Intracranial hypertension in a patient with craniofacial synostosis and patent sutures** *JOURNAL OF CRANIOFACIAL SURGERY*
Williams, J. K., Longaker, M. T., Wisoff, J., McCarthy, J. G.
1997; 8 (5): 373-378
- **Reduced expression of PDGF and PDGF receptors during impaired wound healing** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Beer, H. D., Longaker, M. T., Werner, S.
1997; 109 (2): 132-138
- **Wound size and gestational age modulate scar formation in fetal wound repair** *43rd Annual International Congress of the British-Association-of-Paediatric-Surgeons*
Cass, D. L., Bullard, K. M., Sylvester, K. G., Yang, E. Y., Longaker, M. T., Adzick, N. S.
W B SAUNDERS CO-ELSEVIER INC.1997: 411-15
- **Studies in cranial suture biology .1. Increased immunoreactivity for TGF-beta isoforms (beta 1, beta 2, and beta 3) during rat cranial suture fusion** *JOURNAL OF BONE AND MINERAL RESEARCH*
Roth, D. A., Longaker, M. T., McCarthy, J. G., Rosen, D. M., McMullen, H. F., Levine, J. P., Sung, J., Gold, L. I.
1997; 12 (3): 311-321
- **Reconstruction of breast asymmetry in Poland's chest-wall deformity using microvascular free flaps** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Longaker, M. T., Glat, P. M., Colen, L. B., Siebert, J. W.
1997; 99 (2): 429-436
- **Immunolocalization of transforming growth factor beta 1, beta 2, and beta 3 and insulin-like growth factor I in premature cranial suture fusion** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Roth, D. A., Gold, L. I., Han, V. K., McCarthy, J. G., Sung, J. J., Wisoff, J. H., Longaker, M. T.
1997; 99 (2): 300-309
- **A new rat model for the study of mandibular distraction osteogenesis** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Rowe, N. M., Mehrara, B. J., Mackool, R. J., Gittes, G. K., McCarthy, J. G., Longaker, M. T.
MONDUZZI EDITORE.1997: 337-339
- **Transcranial Doppler analysis of intra-cranial pressure in craniosynostosis** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Stotland, M. A., Westra, S. J., Kawamoto, H. K., Longaker, M. T., Lazareff, J.
MONDUZZI EDITORE.1997: 97-99
- **Enophthalmos revisited: Zygoma mobilization and repositioning through minimal exposure** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Longaker, M. T., Kawamoto, H. K.
MONDUZZI EDITORE.1997: 215-216
- **Reconstruction of Tessier No. 4 clefts revisited** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Longaker, M. T., Kawamoto, H. K.
MONDUZZI EDITORE.1997: 177-179
- **A new in utero model for lateral-oblique facial clefts** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Stelnicki, E. J., Hoffman, W. Y., Vanderwall, K., Harrison, M. R., Foster, R., Longaker, M. T.
MONDUZZI EDITORE.1997: 353-354
- **The effect of bilateral distraction osteogenesis utilizing a multiplanar device on the temporomandibular joint (TMJ): A canine study** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Stucki-McCormick, S. U., Grayson, B. H., Longaker, M. T., Williams, J. K., Mackool, R. J., Rowe, N., McCarthy, J. G.
MONDUZZI EDITORE.1997: 35-37

- **A new in utero sheep model for unilateral coronal craniosynostosis that demonstrates the importance of suture fusion in the development of the associated craniofacial abnormalities** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Stelnicki, E. J., Vanderwall, K., Hoffman, W. Y., Harrison, M. R., Glowacki, J., Longaker, M. T.
MONDUZZI EDITORE.1997: 351–352
- **Engineering of cartilaginous human shapes in vitro using plasma derived polymer substances and chondrocytes** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Ting, V., Sims, C. D., Brecht, L. E., McCarthy, J. G., Kasabian, A. K., Connelly, P. R., Gittes, G. K., Longaker, M. T.
MONDUZZI EDITORE.1997: 39–40
- **Reconstruction of severe periorbital deformities using microsurgical free tissue transfers** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Siebert, J. W., Jelks, G. W., Brecht, L. E., Longaker, M. T.
MONDUZZI EDITORE.1997: 259–261
- **Volumetric quantification of the changes in the human mandible after distraction: A new analytic technique** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Mackool, R. J., Mehrara, B. J., Grayson, B. H., Longaker, M. T., McCarthy, J. G.
MONDUZZI EDITORE.1997: 79–81
- **The in utero correction of unilateral coronal craniosynostosis** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Stelnicki, E. J., Vanderwall, K., Harrison, M. R., Longaker, M. T., Kaban, L. B., Hoffman, W. Y.
MONDUZZI EDITORE.1997: 41–42
- **Monobloc fronto-facial advancement: The UCLA experience 1988-1996** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Benhaim, P., Longaker, M. T., Kawamoto, H. K.
MONDUZZI EDITORE.1997: 119–120
- **Transconjunctival approach to orbital surgery: Ectropion incidence increases in lids with a previous subciliary incision** *7th International Congress of the International-Society-for-Craniofacial-Surgery*
Lorenz, H. P., Longaker, M. T., Kawamoto, H. K.
MONDUZZI EDITORE.1997: 243–245
- **The inframammary extended circumflex scapular flap: An aesthetic improvement of the parascapular flap** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Siebert, J. W., Longaker, M. T., Angrigiani, C.
1997; 99 (1): 70-77
- **Deep-plane cervicofacial "hike": Anatomic basis with dog-ear blepharoplasty** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Longaker, M. T., Glat, P. M., Zide, B. M.
1997; 99 (1): 16-21
- **Acute biceps compartment syndrome associated with the use of a noninvasive blood pressure monitor** *ANESTHESIA AND ANALGESIA*
Sutin, K. M., Longaker, M. T., Wahlander, S., Kasabian, A. K., Capan, L. M.
1996; 83 (6): 1345-1346
- **The anti-inflammatory mechanism of sulfasalazine is related to adenosine release at inflamed sites** *JOURNAL OF IMMUNOLOGY*
Gadangi, P., Longaker, M., NAIME, D., Levin, R. I., Recht, P. A., Montesinos, M. C., Buckley, M. T., Carlin, G., Cronstein, B. N.
1996; 156 (5): 1937-1941
- **Microsurgical reconstruction of the lower extremity using the 3M microvascular coupling device in venous anastomoses** *ANNALS OF PLASTIC SURGERY*
Denk, M. J., Longaker, M. T., BASNER, A. L., Glat, P. M., Karp, N. S., Kasabian, A. K.
1995; 35 (6): 601-606
- **SALVAGE OF TRAUMATIC BELOW-KNEE AMPUTATION STUMPS UTILIZING THE FILET OF FOOT FREE-FLAP - CRITICAL-EVALUATION OF 6 CASES** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Kasabian, A. K., Glat, P. M., Eidelman, Y., COLEN, S., Longaker, M. T., Attinger, C., Shaw, W.
1995; 96 (5): 1145-1153

- **HEMODYNAMIC-STUDY OF DIFFERENT ANGLED END-TO-SIDE ANASTOMOSES** *MICROSURGERY*
Zhang, L., Moskovitz, M., PISCATELLI, S., Longaker, M. T., Siebert, J. W.
1995; 16 (2): 114-117
- **Regional dura mater determines cranial suture fusion** *6th International Congress of the International-Society-of-Cranio-Facial-Surgery*
Bradley, J. P., Levine, J. P., Roth, D. A., McCarthy, J. G., Longaker, M. T.
MONDUZZI EDITORE.1995: 87-89
- **Microsurgical correction of facial contour in congenital craniofacial malformations: The marriage of hard and soft tissue** *6th International Congress of the International-Society-of-Cranio-Facial-Surgery*
Longaker, M. T., Siebert, J. W.
MONDUZZI EDITORE.1995: 337-339
- **Cleft lip and palate repair in fetal lambs** *6th International Congress of the International-Society-of-Cranio-Facial-Surgery*
Hedrick, M. H., Hoffman, W. Y., Longaker, M. T.
MONDUZZI EDITORE.1995: 13-15
- **Wound healing in the fetus. Possible role for inflammatory macrophages and transforming growth factor-beta isoforms.** *Wound repair and regeneration*
Longaker, M. T., Bouhana, K. S., Harrison, M. R., DANIELPOUR, D., ROBERTS, A. B., Banda, M. J.
1994; 2 (2): 104-112
- **HYALURONATE METABOLISM UNDERGOES AN ONTOGENIC TRANSITION DURING FETAL DEVELOPMENT - IMPLICATIONS FOR SCAR-FREE WOUND-HEALING** *JOURNAL OF PEDIATRIC SURGERY*
Estes, J. M., Adzick, N. S., Harrison, M. R., Longaker, M. T., Stern, R.
1993; 28 (10): 1227-1231
- **ARE PATIENTS WITH NEOPLASIA AT AN INCREASED RISK FOR CARDIAC MYXOMAS** *HUMAN PATHOLOGY*
Suman, V. J., Tazelaar, H. D., Bailey, K., Melton, J., Longaker, M. T., Stern, R., Finkbeiner, W. E.
1993; 24 (9): 1008-1011
- **FETAL CLEFT-LIP REPAIR IN RABBITS - LONG-TERM CLINICAL AND CEPHALOMETRIC RESULTS** *CLEFT PALATE-CRANIOFACIAL JOURNAL*
Kaban, L. B., Dodson, T. B., Longaker, M. T., Stern, M., Umeda, H., Adzick, S.
1993; 30 (1): 13-21
- **NEW TECHNIQUES IN FETAL SURGERY** *23RD ANNUAL MEETING OF THE CANADIAN ASSOC OF PAEDIATRIC SURGEONS*
Jennings, R. W., Adzick, N. S., Longaker, M. T., Lorenz, H. P., Estes, J. M., Harrison, M. R.
W B SAUNDERS CO-ELSEVIER INC.1992: 1329-33
- **An in utero model of craniosynostosis.** *journal of craniofacial surgery*
Duncan, B. W., Adzick, N. S., Moelleken, B. R., Chua, J., Bradley, S. M., Longaker, M. T., LEVINSOHN, D. G., Harrison, M. R., Kaban, L. B.
1992; 3 (2): 70-78
- **FETAL FRACTURE-HEALING IN A LAMB MODEL** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Longaker, M. T., MOELLEKEN, B. R., Cheng, J. C., Jennings, R. W., Adzick, N. S., MINTOROVICH, J., LEVINSOHN, D. G., Gordon, L., Harrison, M. R., Simmons, D. J.
1992; 90 (2): 161-171
- **NECROTIZING FASCIITIS IN 2 CHILDREN WITH ACUTE LYMPHOBLASTIC-LEUKEMIA** *JOURNAL OF PEDIATRIC SURGERY*
Duncan, B. W., Adzick, N. S., DeLorimier, A. A., Longaker, M. T., Ferrell, L. D., Zoger, S., Harrison, M. R.
1992; 27 (5): 668-671
- **THE EFFECT OF TISSUE EXPANSION ON DERMAL FIBROBLAST CONTRACTION** *ANNALS OF PLASTIC SURGERY*
Chang, B., TUCHLER, R. E., Siebert, J. W., Longaker, M. T., Burd, D. A.
1992; 28 (4): 315-319
- **SCARLESS FETAL HEALING - THERAPEUTIC IMPLICATIONS** *ANNALS OF SURGERY*
Adzick, N. S., Longaker, M. T.
1992; 215 (1): 3-7

- **FETAL SURGERY FOR CLEFT-LIP - A PLEA FOR CAUTION** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Longaker, M. T., Whitby, D. J., Adzick, N. S., Kaban, L. B., Harrison, M. R.
1991; 88 (6): 1087-1092
- **SHEEP AMNIOTIC-FLUID HAS A PROTEIN FACTOR WHICH STIMULATES HUMAN FIBROBLAST POPULATED COLLAGEN LATTICE CONTRACTION** *JOURNAL OF CELLULAR PHYSIOLOGY*
Rittenberg, T., Longaker, M. T., Adzick, N. S., Ehrlich, H. P.
1991; 149 (3): 444-450
- **HYALURONIDASE LEVELS IN URINE FROM WILMS-TUMOR PATIENTS** *JOURNAL OF THE NATIONAL CANCER INSTITUTE*
Stern, M., Longaker, M. T., Adzick, N. S., Harrison, M. R., Stern, R.
1991; 83 (21): 1569-1574
- **ANIMAL-MODELS FOR THE STUDY OF FETAL TISSUE-REPAIR** *JOURNAL OF SURGICAL RESEARCH*
Adzick, N. S., Longaker, M. T.
1991; 51 (3): 216-222
- **MIDGESTATIONAL EXCISIONAL FETAL LAMB WOUNDS CONTRACT INUTERO** *JOURNAL OF PEDIATRIC SURGERY*
Longaker, M. T., Burd, D. A., GOWN, A. M., YEN, T. S., Jennings, R. W., Duncan, B. W., Harrison, M. R., Adzick, N. S.
1991; 26 (8): 942-948
- **ONTOGENY OF FETAL SHEEP POLYMORPHONUCLEAR LEUKOCYTE PHAGOCYTOSIS** *JOURNAL OF PEDIATRIC SURGERY*
Jennings, R. W., Adzick, N. S., Longaker, M. T., Duncan, B. W., Scheuenstuhl, H., Hunt, T. K.
1991; 26 (7): 853-855
- **INUTERO ARTERIAL EMBOLISM FROM RENAL-VEIN THROMBOSIS WITH SUCCESSFUL POSTNATAL THROMBOLYTIC THERAPY** *JOURNAL OF PEDIATRIC SURGERY*
Duncan, B. W., Adzick, N. S., Longaker, M. T., Edwards, J. R., Nelson, R. M., Koerper, M. A.
1991; 26 (6): 741-743
- **INTRAOPERATIVE RADIATION-THERAPY FOR WILMS-TUMOR INSITU OR EXVIVO** *CANCER*
Halberg, F. E., Harrison, M. R., Salvatierra, O., Longaker, M. T., Wara, W. M., Phillips, T. L.
1991; 67 (11): 2839-2843
- **FETAL CLEFT-LIP REPAIR IN RABBITS - POSTNATAL FACIAL GROWTH AFTER REPAIR** *JOURNAL OF ORAL AND MAXILLOFACIAL SURGERY*
Dodson, T. B., Schmidt, B., Longaker, M. T., Kaban, L. B.
1991; 49 (6): 603-611
- **INVITRO FETAL WOUND CONTRACTION - THE EFFECT OF AMNIOTIC-FLUID** *BRITISH JOURNAL OF PLASTIC SURGERY*
Burd, D. A., Longaker, M. T., Rittenberg, T., Adzick, N. S., Harrison, M. R., Ehrlich, H. P.
1991; 44 (4): 302-305
- **STUDIES IN FETAL WOUND-HEALING .5. A PROLONGED PRESENCE OF HYALURONIC-ACID CHARACTERIZES FETAL WOUND FLUID** *ANNALS OF SURGERY*
Longaker, M. T., Chiu, E. S., Adzick, N. S., Stern, M., Harrison, M. R., Stern, R.
1991; 213 (4): 292-296
- **FETAL DIAPHRAGMATIC WOUNDS HEAL WITH SCAR FORMATION** *JOURNAL OF SURGICAL RESEARCH*
Longaker, M. T., Whitby, D. J., Jennings, R. W., Duncan, B. W., Ferguson, M. W., Harrison, M. R., Adzick, N. S.
1991; 50 (4): 375-385
- **THE BIOLOGY OF FETAL WOUND-HEALING - A REVIEW** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Longaker, M. T., Adzick, N. S.
1991; 87 (4): 788-798
- **MATERNAL OUTCOME AFTER OPEN FETAL SURGERY - A REVIEW OF THE 1ST 17 HUMAN CASES** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Longaker, M. T., Golbus, M. S., Filly, R. A., Rosen, M. A., Chang, S. W., Harrison, M. R.
1991; 265 (6): 737-741

- **IMMUNOLOGICAL EVALUATION OF HEMATOPOIETIC CHIMERIC RHESUS-MONKEYS** *13TH INTERNATIONAL CONGRESS OF THE TRANSPLANTATION SOC*
Duncan, B. W., Harrison, M. R., Zanjani, E. D., TARANTAL, A. F., Adzick, N. S., Bradley, S. M., Longaker, M. T., Jennings, R. W., Roberts, L. J., Bigler, M. E., Roncarolo, M. G.
ELSEVIER SCIENCE INC.1991: 841-43
- **SCARLESS WOUND-HEALING IN THE FETUS - THE ROLE OF THE EXTRACELLULAR-MATRIX** *3RD INTERNATIONAL CONF ON TISSUE REPAIR*
Adzick, N. S., Longaker, M. T.
WILEY-LISS, INC.1991: 177-192
- **Update on the status of fetal surgery.** *Surgery annual*
Longaker, M. T., Adzick, N. S., Harrison, M. R.
1991; 23: 53-68
- **HYALURONIC-ACID IN A CARDIAC MYXOMA - A BIOCHEMICAL AND HISTOLOGICAL ANALYSIS** *VIRCHOWS ARCHIV A-PATHOLOGICAL ANATOMY AND HISTOPATHOLOGY*
Longaker, M. T., Chiu, E. S., Hendin, B., Finkbeiner, W. E., Stern, R.
1991; 418 (5): 435-437
- **ETIOLOGY OF INTESTINAL DAMAGE IN GASTROSCHISIS .2. TIMING AND REVERSIBILITY OF HISTOLOGICAL-CHANGES, MUCOSAL FUNCTION, AND CONTRACTILITY** *21ST ANNUAL MEETING OF THE CANADIAN ASSOC OF PAEDIATRIC SURGEONS*
Langer, J. C., Bell, J. G., Castillo, R. O., Crombleholme, T. M., Longaker, M. T., Duncan, B. W., Bradley, S. M., Finkbeiner, W. E., Verrier, E. D., Harrison, M. R.
W B SAUNDERS CO.1990: 1122-26
- **INFECTIVE ENDOCARDITIS AND AN EMBOLOMYCOTIC ANEURYSM IN A 25-MONTH-OLD CHILD** *JOURNAL OF CARDIOVASCULAR SURGERY*
Cave, C., Longaker, M. T., Merrick, S., Teitel, D. F., Goldstone, J., Verrier, E. D.
1990; 31 (6): 805-808
- **TAKAYASUS-ARTERITIS (TYPE-III) IN AN 8-YEAR-OLD GIRL - A MULTIMODALITY APPROACH TO STAGED REVASCLARIZATION OF THE HEART, HEAD, AND ABDOMINAL VISCERA - A CASE-REPORT** *VASCULAR SURGERY*
Longaker, M. T., Hanley, F. L., Goldstone, J., Teitel, D. F., Finkbeiner, W. E., Verrier, E. D.
1990; 24 (8): 616-622
- **FETAL WOUND-HEALING IN A LARGE ANIMAL-MODEL - THE DEPOSITION OF COLLAGEN IS CONFIRMED** *BRITISH JOURNAL OF PLASTIC SURGERY*
Burd, D. A., Longaker, M. T., Adzick, N. S., Harrison, M. R., Ehrlich, H. P.
1990; 43 (5): 571-577
- **CAROTID-ARTERY RECONSTRUCTION FOLLOWING EXTRACORPOREAL MEMBRANE-OXYGENATION** *AMERICAN JOURNAL OF DISEASES OF CHILDREN*
Crombleholme, T. M., Adzick, N. S., DeLorimier, A. A., Longaker, M. T., Harrison, M. R., CHARLTON, V. E.
1990; 144 (8): 872-874
- **FETAL WOUND-HEALING - AN INVITRO EXPLANT MODEL** *JOURNAL OF PEDIATRIC SURGERY*
Burd, D. A., Longaker, M. T., Adzick, N. S., COMPTON, C. C., Harrison, M. R., Siebert, J. W., Ehrlich, H. P.
1990; 25 (8): 898-901
- **MEDIASTINAL PANCREATIC PSEUDOCYSTS IN CHILDREN** *JOURNAL OF PEDIATRIC SURGERY*
Crombleholme, T. M., DeLorimier, A. A., Adzick, N. S., Longaker, M. T., Harrison, M. R., Cox, K. L., Heyman, M. B.
1990; 25 (8): 843-845
- **PULMONARY VASCULAR-RESISTANCE IN NEONATAL SWINE - RESPONSE TO RIGHT PULMONARY-ARTERY OCCLUSION, ISOPROTERENOL, AND PROSTAGLANDIN-E1** *JOURNAL OF PEDIATRIC SURGERY*
Crombleholme, T. M., Adzick, N. S., Longaker, M. T., Bradley, S. M., Duncan, B. W., Jennings, R., Verrier, E. D., Harrison, M. R.
1990; 25 (8): 861-866
- **A RABBIT MODEL FOR FETAL CLEFT-LIP REPAIR** *JOURNAL OF ORAL AND MAXILLOFACIAL SURGERY*
Longaker, M. T., Dodson, T. B., Kaban, L. B.

1990; 48 (7): 714-719

- **FETAL TRAUMA - RELATION TO MATERNAL INJURY** *JOURNAL OF PEDIATRIC SURGERY*
Farmer, D. L., Adzick, N. S., Crombleholme, W. R., Crombleholme, T. M., Longaker, M. T., Harrison, M. R.
1990; 25 (7): 711-714
- **TESTING THE LIMITS OF NEONATAL TRACHEAL RESECTION** *JOURNAL OF PEDIATRIC SURGERY*
Longaker, M. T., Harrison, M. R., Adzick, N. S.
1990; 25 (7): 790-792
- **THE MODIFIED PUESTOW PROCEDURE FOR CHRONIC RELAPSING PANCREATITIS IN CHILDREN** *22ND ANNUAL MEETING OF THE PACIFIC ASSOC OF PEDIATRIC SURGEONS*
Crombleholme, T. M., DeLorimier, A. A., Way, L. W., Adzick, N. S., Longaker, M. T., Harrison, M. R.
W B SAUNDERS CO.1990: 749-54
- **COMPLETE HEART-BLOCK IN FETAL LAMBS .1. TECHNIQUE AND ACUTE PHYSIOLOGICAL-RESPONSE** *JOURNAL OF PEDIATRIC SURGERY*
Crombleholme, T. M., Harrison, M. R., Longaker, M. T., Langer, J. C., Adzick, N. S., Bradley, S., Duncan, B., Verrier, E. D.
1990; 25 (6): 587-593
- **FETAL INTERVENTION IN OBSTRUCTIVE UROPATHY - PROGNOSTIC INDICATORS AND EFFICACY OF INTERVENTION** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*
Crombleholme, T. M., Harrison, M. R., Golbus, M. S., Longaker, M. T., Langer, J. C., Callen, P. W., Anderson, R. L., Goldstein, R. B., Filly, R. A.
1990; 162 (5): 1239-1244
- **STUDIES IN FETAL WOUND-HEALING, .7. FETAL WOUND-HEALING MAY BE MODULATED BY HYALURONIC-ACID STIMULATING ACTIVITY IN AMNIOTIC-FLUID** *JOURNAL OF PEDIATRIC SURGERY*
Longaker, M. T., Adzick, N. S., Hall, J. L., STAIR, S. E., Crombleholme, T. M., Duncan, B. W., Bradley, S. M., Harrison, M. R., Stern, R.
1990; 25 (4): 430-433
- **NEPHRON-SPARING APPROACH TO BILATERAL WILMS-TUMOR - INSITU OR EXVIVO SURGERY AND RADIATION-THERAPY** *JOURNAL OF PEDIATRIC SURGERY*
Longaker, M. T., Harrison, M. R., Adzick, N. S., Crombleholme, T. M., Langer, J. C., Duncan, B. W., Halberg, F. E., Salvatierra, O.
1990; 25 (4): 411-414
- **HYALURONIC ACID-STIMULATING ACTIVITY IN THE PATHOPHYSIOLOGY OF WILMS-TUMORS** *JOURNAL OF THE NATIONAL CANCER INSTITUTE*
Longaker, M. T., Adzick, N. S., SADIGH, D., Hendin, B., STAIR, S. E., Duncan, B. W., Harrison, M. R., SPENDLOVE, R., Stern, R.
1990; 82 (2): 135-139
- **REDUCED-SIZE LUNG TRANSPLANTATION IN NEONATAL SWINE - TECHNIQUE AND SHORT-TERM PHYSIOLOGICAL-RESPONSE** *25TH ANNIVERSARY MEETING OF THE SOC OF THORACIC SURGEONS*
Crombleholme, T. M., Adzick, N. S., Longaker, M. T., Bradley, S., Duncan, B. W., Verrier, E. D., Harrison, M. R.
ELSEVIER SCIENCE INC.1990: 55-60
- **PULMONARY LOBAR TRANSPLANTATION IN NEONATAL SWINE - A MODEL FOR TREATMENT OF CONGENITAL DIAPHRAGMATIC-HERNIA** *JOURNAL OF PEDIATRIC SURGERY*
Crombleholme, T. M., Adzick, N. S., Hardy, K., Longaker, M. T., Bradley, S. M., Duncan, B. W., Verrier, E. D., Harrison, M. R.
1990; 25 (1): 11-18
- **STUDIES IN FETAL WOUND-HEALING, .6. 2ND AND EARLY 3RD TRIMESTER FETAL WOUNDS DEMONSTRATE RAPID COLLAGEN DEPOSITION WITHOUT SCAR FORMATION** *JOURNAL OF PEDIATRIC SURGERY*
Longaker, M. T., Whitby, D. J., Adzick, N. S., Crombleholme, T. M., Langer, J. C., Duncan, B. W., Bradley, S. M., Stern, R., Ferguson, M. W., Harrison, M. R.
1990; 25 (1): 63-69
- **Hyaluronic acid deposition in cardiac myxomas: localization using a hyaluronate-specific binding protein.** *The American journal of cardiovascular pathology*
Hendin, B. N., Longaker, M. T., Finkbeiner, W. E., Roberts, L. J., Stern, R.
1990; 3 (3): 209-215

- **STUDIES IN FETAL WOUND-HEALING .4. HYALURONIC ACID-STIMULATING ACTIVITY DISTINGUISHES FETAL WOUND FLUID FROM ADULT WOUND FLUID** *ANNALS OF SURGERY*
Longaker, M. T., Chiu, E. S., Harrison, M. R., Crombleholme, T. M., Langer, J. C., Duncan, B. W., Adzick, N. S., Verrier, E. D., Stern, R.
1989; 210 (5): 667-672
- **ETIOLOGY OF INTESTINAL DAMAGE IN GASTROSCHISIS .1. EFFECTS OF AMNIOTIC-FLUID EXPOSURE AND BOWEL CONSTRICTION IN A FETAL LAMB MODEL** *JOURNAL OF PEDIATRIC SURGERY*
Langer, J. C., Longaker, M. T., Crombleholme, T. M., Bond, S. J., Finkbeiner, W. E., Rudolph, C. A., Verrier, E. D., Harrison, M. R.
1989; 24 (10): 992-997
- **STUDIES IN FETAL WOUND-HEALING .1. A FACTOR IN FETAL SERUM THAT STIMULATES DEPOSITION OF HYALURONIC-ACID** *JOURNAL OF PEDIATRIC SURGERY*
Longaker, M. T., Harrison, M. R., Crombleholme, T. M., Langer, J. C., Decker, M., Verrier, E. D., SPENDLOVE, R., Stern, R.
1989; 24 (8): 789-792
- **STUDIES IN FETAL WOUND-HEALING .2. A FETAL ENVIRONMENT ACCELERATES FIBROBLAST MIGRATION INVITRO** *JOURNAL OF PEDIATRIC SURGERY*
Longaker, M. T., Harrison, M. R., Langer, J. C., Crombleholme, T. M., Verrier, E. D., SPENDLOVE, R., Stern, R.
1989; 24 (8): 793-798
- **APPENDICOVESICOSTOMY - A NEW TECHNIQUE FOR BLADDER DIVERSION DURING RECONSTRUCTION OF CLOACAL EXSTROPHY** *JOURNAL OF PEDIATRIC SURGERY*
Longaker, M. T., Harrison, M. R., Langer, J. C., Crombleholme, T. M.
1989; 24 (7): 639-641
- **NEONATAL MODEL OF HETEROTOPIC HEART-TRANSPLANTATION IN PIGS** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Verrier, E. D., Crombleholme, T. M., SAUER, L., Longaker, M., Langer, J. C., Flake, A. W., Dae, M., Brem, H., Harrison, M. R., Starnes, V.
1989; 98 (1): 127-136
- **BILIARY APPENDICO-DUODENOSTOMY - A NONREFLUXING CONDUIT FOR BILIARY RECONSTRUCTION** *JOURNAL OF PEDIATRIC SURGERY*
Crombleholme, T. M., Harrison, M. R., Langer, J. C., Longaker, M. T.
1989; 24 (7): 665-667
- **HYALURONIC ACID-STIMULATING ACTIVITY IN SERA FROM THE BOVINE FETUS AND FROM BREAST-CANCER PATIENTS** *CANCER RESEARCH*
Decker, M., Chiu, E. S., Dollbaum, C., Moiin, A., Hall, J., SPENDLOVE, R., Longaker, M. T., Stern, R.
1989; 49 (13): 3499-3505
- **PRIMARY FETAL HYDROTHORAX - NATURAL-HISTORY AND MANAGEMENT** *JOURNAL OF PEDIATRIC SURGERY*
Longaker, M. T., LaBerge, J. M., Dansereau, J., Langer, J. C., Crombleholme, T. M., Callen, P. W., Golbus, M. S., Harrison, M. R.
1989; 24 (6): 573-576
- **FETAL HYDROPS AND DEATH FROM SACROCOCCYGEAL TERATOMA - RATIONALE FOR FETAL SURGERY** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*
Langer, J. C., Harrison, M. R., Schmidt, K. G., Silverman, N. H., Anderson, R. L., Goldberg, J. D., Filly, R. A., Crombleholme, T. M., Longaker, M. T., Golbus, M. S.
1989; 160 (5): 1145-1150
- **SYSTEMIC-TO-PULMONARY ARTERY SHUNT USING THE INTERNAL MAMMARY ARTERY** *ANNALS OF THORACIC SURGERY*
Longaker, M. T., Merrick, S., Crombleholme, T. M., Langer, J. C., Verrier, E. D., Turley, K.
1989; 47 (3): 464-465
- **BILATERAL RENAL AUTO-TRANSPLANTATION WITH PYELOVESICOSTOMY - A SURGICAL-TREATMENT OF REFRACTORY ENTERIC HYPEROXALURIA** *SURGERY*
Salvatierra, O., Longaker, M., Crombleholme, T.
1989; 105 (3): 430-435
- **EARLY EXPERIENCE WITH OPEN FETAL SURGERY FOR CONGENITAL HYDRONEPHROSIS** *JOURNAL OF PEDIATRIC SURGERY*
Crombleholme, T. M., Harrison, M. R., Langer, J. C., Longaker, M. T., Anderson, R. L., SLOTNICK, N. S., Filly, R. A., Callen, P. W., Goldstein, R. B., Golbus, M. S.

1988; 23 (12): 1114-1121

● **PRENATAL-DIAGNOSIS AND MANAGEMENT OF BILATERAL HYDRONEPHROSIS** *PEDIATRIC NEPHROLOGY*

Crombleholme, T. M., Harrison, M. R., Longaker, M. T., Langer, J. C.

1988; 2 (3): 334-342

● **Perinatal management of the fetus with an abdominal wall defect.** *Fetal therapy*

Langer, J. C., Harrison, M. R., Adzick, N. S., Longaker, M. T., Crombleholme, T. M., Golbus, M. S., Anderson, R. L., Callen, P. W., Filly, R. A.

1987; 2 (4): 216-221