



Derrick Wan

Johnson and Johnson Distinguished Professor in Surgery and Professor, by courtesy, of Neurosurgery

Surgery - Plastic & Reconstructive Surgery

CLINICAL OFFICE (PRIMARY)

- **Pediatric Surgical Specialties Clinic**

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Bio

CLINICAL FOCUS

- Plastic Surgery

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Surgery - Plastic & Reconstructive Surgery
- Professor - University Medical Line (By courtesy), Neurosurgery
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

PROFESSIONAL EDUCATION

- Residency: UCSF Dept of General Surgery (2007) CA
- Board Certification: Plastic Surgery, American Board of Plastic Surgery (2012)
- Medical Education: Columbia University (2001) NY
- Internship: New York University Med Ctr (2002) NY
- Residency, UCLA - Plastic Surgery , CA (2009)
- Fellowship, UCLA - Craniofacial Surgery , CA (2010)
- Fellowship, Chang Gung Memorial Hospital - Microsurgery , Taiwan (2011)

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Sriya Nemani

Postdoctoral Faculty Sponsor

Palca Shibale

Doctoral Dissertation Reader (NonAC)

Jennifer Parker

Postdoctoral Research Mentor

Sanja Bojic

Publications

PUBLICATIONS

- **Psychosocial Outcomes of the Stanford Orthodontic Airway Plate (OAP) Treatment in Caregivers and Children With Pierre Robin Sequence.** *The Cleft palate-craniofacial journal : official publication of the American Cleft Palate-Craniofacial Association*
Wagner, C. S., Choo, H., Forrest, C. R., Wan, D. C., Park, J., Umbaugh, H., Crerand, C. E.
2026: 10556656261451965
- **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
- **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
- **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
- **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
- **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
- **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)
- **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. L., Huang, K. X., Griffin, M. F., Longaker, M. T., Wan, D. C., Li, D. J.
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
- **Position statement from the society of University surgeons, surgical education committee: Artificial intelligence in surgical training for medical students, residents, and fellows.** *Surgery*

- Kewalramani, D., Jawa, R. S., Martin, C. A., Gosain, A., Wan, D., Varghese, T. K., Boland, G. M., Dream, S. Y., Sifri, Z., Mollen, K., Chu, D., Narayan, M.
2025; 190: 109849
- **The Unique Roles of Adipose Tissue in Wound Healing.** *Advances in wound care*
Parker, J. B., Griffin, M., Akras, 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
 - **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
 - **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
 - **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
 - **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
 - **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., Steinger, 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
 - **Evaluating the quality and readability of ChatGPT-generated patient-facing medical information in rhinology.** *European archives of oto-rhino-laryngology : official journal of the European Federation of Oto-Rhino-Laryngological Societies (EUFOS) : affiliated with the German Society for Oto-Rhino-Laryngology - Head and Neck Surgery*
Fazilat, A. Z., Brenac, C., Kawamoto-Duran, D., Berry, C. E., Alyono, J., Chang, M. T., Liu, D. T., Patel, Z. M., Tringali, S., Wan, D. C., Fieux, M.

2024

- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **Comparing Cortiva Silhouette to AlloDerm for Use in Prepectoral Two-stage Prosthetic Breast Reconstruction.** *Plastic and reconstructive surgery. Global open*
Silverstein, M. L., Wan, D., Momeni, A.
2024; 12 (9): e6146
- **AI-based Cleft Lip and Palate Surgical Information is Preferred by Both Plastic Surgeons and Patients in a Blind Comparison.** *The Cleft palate-craniofacial journal : official publication of the American Cleft Palate-Craniofacial Association*
Fazilat, A. Z., Berry, C. E., Churukian, A., Lavin, C., Kameni, L., Brenac, C., Podda, S., Bruckman, K., Lorenz, H. P., Khosla, R. K., Wan, D. C.
2024: 10556656241266368

- **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
- **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
- **Deferoxamine Intradermal Delivery Patch for Treatment of a Radiation Therapy Associated Breast Wound.** *Annals of case reports*
Perrault, D., Chen, K., Nazerali, R., Wan, D.
2024; 9 (3)
- **Microsurgical Breast Reconstruction can be Performed Safely in Patients with Obesity.** *Journal of reconstructive microsurgery*
Silverstein, M. L., Sorice-Virk, S., Wan, D. C., Momeni, A.
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
- **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
- **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
- **Deferoxamine Intradermal Delivery Patch for Treatment of a Beta-Thalassemia Wound.** *Annals of surgery open : perspectives of surgical history, education, and clinical approaches*
Perrault, D., Chattopadhyay, A., Sivaraj, D., Wan, D., Chen, K., Gurtner, G., Sen, S.
2024; 5 (1): e372
- **Both Patients and Plastic Surgeons prefer AI-Generated Microsurgical Information.** *Journal of reconstructive microsurgery*
Berry, C., Fazilat, A. Z., Lavin, C. V., Lintel, H., Cole, N. A., Stingl, C. S., Valencia, C., Morgan, A. G., Momeni, A., Wan, D. C.
2024
- **Pharmacological and cell-based treatments to increase local skin flap viability in animal models.** *Journal of translational medicine*
Berry, C. E., Le, T., An, N., Griffin, M., Januszyk, M., Kendig, C. B., Fazilat, A. Z., Churukian, A. A., Pan, P. M., Wan, D. C.
2024; 22 (1): 68
- **US air pollution is associated with increased incidence of non-syndromic cleft lip/palate.** *Journal of plastic, reconstructive & aesthetic surgery : JPRAS*
Krakauer, K. N., Cevallos, P. C., Amakiri, U. O., Saldana, G. M., Lipman, K. J., Howell, L. K., Wan, D. C., Khosla, R. K., Nazerali, R., Sheckter, C. C.

2023; 88: 344-351

- **Healing of Chronically Irradiated Excisional Wounds Improved by Topical Deferoxamine Treatment**
Berry, C., Griffin, M., Kamen, L., Abbas, D., Downer, M., Parker, J. B., Liang, N., Januszyk, M., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2023: S382-S383
- **Single-Cell RNA-Seq Analysis Reveals Similar Fibroblasts in Irradiated Skin of Humans, Mice, and Pigs**
Kamen, 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., Kamen, 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
- **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., Kamen, L., Downer, M., Parker, J. B., Liang, N., Diiorio, 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., Kamen, 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., Kamen, 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., Kamen, 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
- **A Review of Radiation-Induced Vascular Injury and Clinical Impact.** *Annals of plastic surgery*
Kamen, 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
- **Quality Assessment of Online Resources for Gender-affirming Surgery.** *Plastic and reconstructive surgery. Global open*
Berry, C. E., Fazilat, A. Z., Churukian, A. A., Abbas, D. B., Griffin, M., Downer, M., Januszyk, M., Momeni, A., Morrison, S. D., Wan, D. C.
2023; 11 (10): e5306
- **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

- **Technical Tips to Reduce Implant Rippling in Staged Pre-pectoral Breast Reconstruction.** *Aesthetic plastic surgery*
Tevlin, R., Sharma, A. D., Griffin, M., Wan, D., Momeni, A.
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
- **Complication Rates in Therapeutic Versus Prophylactic Bilateral Mastectomies: Insights From a National Database.** *Annals of plastic surgery*
Shaheen, M. S., Wan, D., Momeni, A.
2023
- **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)
- **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
- **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
- **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
- **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
- **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., Steining, H. M., Koepke, L. S., Borrelli, M. R., Brewer, R. E., Lee, et al
2023
- **Nipple-areola-complex preservation and obesity-Successful in stages.** *Microsurgery*
Daly, L., Tsai, J., Stone, K., Wapnir, I., Karin, M., Wan, D., Momeni, A.
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
- **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
- **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
- **Investigating the Severity of Complications following Nipple-sparing Mastectomy and Immediate Prepectoral Implant-based vs. Autologous Reconstruction - A Single-Surgeon Experience.** *Plastic and reconstructive surgery*
Pedreira, R., Tevlin, R., Griffin, M., Wan, D., Momeni, A.
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
- **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
- **Denervation During Mouse and Human Mandibular Distraction Osteogenesis Results in Impaired Osteogenesis**
Tevlin, R., Griffin, M., Chen, K., Januszyk, M., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2022: S202
- **Adipocytes the Forgotten Culprit in Skin Fibrosis: Exploring the Mechanism of Fat Driven Skin Fibrosis**
Griffin, M., Guardino, N., Spielman, A. F., Mascharak, S., Parker, J. B. L., Guo, J. L., Abbas, D., Wan, D. C., Bauer-Rowe, K. E., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2022: S199

- **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
- **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
- **Engrafted-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., Januszzyk, M., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2022: S68
- **Engrafted-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., Januszzyk, M., Wan, D. C., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2022: S68
- **Multiomic analysis reveals conservation of cancer-associated fibroblast phenotypes across species and tissue of origin.** *Cancer cell*
Foster, D. S., Januszzyk, 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
- **Consensus on the Clinical Management of Chronic Radiation Dermatitis and Radiation Fibrosis: A Delphi Survey.** *The British journal of dermatology*
Wilson, B. N., Shah, R., Menzer, C., Aleisa, A., Sun, M. D., Kwong, B. Y., Kaffenberger, B. H., Seminario-Vidal, L., Barker, C. A., Stubblefield, M. D., Romesser, P. B., Fabbrocini, G., Alam, et al
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

- **Response to: Vitamin E Improves Volumetry and Regenerative Effects of Fat Grafting.** *Aesthetic surgery journal*
Abbas, D. B., Wan, D. C.
2022
- **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
- **Surgical Applications of Materials Engineered with Antimicrobial Properties.** *Bioengineering (Basel, Switzerland)*
Perrault, D. P., Sharma, A., Kim, J. F., Gurtner, G. C., Wan, D. C.
2022; 9 (4)
- **Tension offloading improves cutaneous scar formation in Achilles tendon repair.** *Journal of surgical case reports*
Abbas, D. B., Lintel, H., Griffin, M., Guardino, N. J., Guo, J. L., Spielman, A. F., Cotterell, A. C., Parker, J. B., Januszyk, M., Wan, D. C.
2022; 2022 (3): rjac066
- **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
- **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
- **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
- **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
- **The Impact of Reconstructive Modality on the Severity of Postoperative Complications in Breast Reconstruction**
Pedreira, R., Tevlin, R., Griffin, M., Wan, D., Momeni, A.
ELSEVIER SCIENCE INC.2021: S211-S212
- **Analysis of Online Educational Materials Relating to Craniosynostosis**
Lavin, C. V., Fahy, E. J., Abbas, D. B., Deleon, N., Lee, D. K., Griffin, M., King, M. E. W., Guardino, N., Wan, D. C.
ELSEVIER SCIENCE INC.2021: S203-S204
- **Transdermal Deferoxamine in a Porcine Model Is a Safe Treatment to Improve Elasticity Secondary to Radiation-induced Fibrosis**
Abbas, D. B., Fahy, E. J., Lavin, C. V., Griffin, M., Deleon, N., King, M. E., Gurtner, G. C., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: E164
- **CD34+CD146+Adipose-derived Stromal Cells (ASCs) Enrichment of Fat Grafts Enhance Regeneration of Irradiated Skin and Graft Retention**
Deleon, N., Abbas, D. B., Borrelli, M. R., Adem, S., Lavin, C. V., Griffin, M., King, M. E., Lee, D., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2021: E198
- **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 Engrailed-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
 - **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
 - **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
 - **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., Januszyk, 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
- **Prevention and Management of Complications of Tissue Flaps.** *The Surgical clinics of North America*
Miller, T. J., Lavin, C. V., Momeni, A., Wan, D. C.
2021; 101 (5): 813-829
- **Inhibiting Fibroblast Mechanotransduction Modulates Severity of Idiopathic Pulmonary Fibrosis.** *Advances in wound care*
Trotsyuk, 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
- **Perineal Reconstruction With the Profunda Artery Perforator Flap.** *Annals of plastic surgery*
Arquette, C., Wan, D., Momeni, A.
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., Januszyk, 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
- **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
- **Leveraging Mechanical Forces to Target Insulin Injection-Induced Lipohypertrophy and Fibrosis.** *Diabetes spectrum : a publication of the American Diabetes Association*
desJardins-Park, H. E., Wan, D. C.
2021; 34 (3): 308-312
- **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
- **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
- **A Systematic Review of Mandibular Distraction Osteogenesis Versus Orthodontic Airway Plate for Airway Obstruction Treatment in Pierre Robin Sequence.** *The Cleft palate-craniofacial journal : official publication of the American Cleft Palate-Craniofacial Association*
Abbas, D. B., Lavin, C., Fahy, E. J., Choo, H., Truong, M. T., Bruckman, K. C., Khosla, R. K., Lorenz, H. P., Momeni, A., Wan, D. C.
2021: 10556656211011886
- **The Impact of Coagulopathy on Clinical Outcomes following Microsurgical Breast Reconstruction.** *Plastic and reconstructive surgery*
Liu, F. C., Miller, T. J., Wan, D. C., Momeni, A.
2021
- **Readability of Online Patient Information Relating to Cleft Palate Surgery.** *The Cleft palate-craniofacial journal : official publication of the American Cleft Palate-Craniofacial Association*
Lavin, C. V., Fahy, E. J., Abbas, D. B., Griffin, M., Deleon, N. M., Lee, D. K., Khosla, R. K., Bruckman, K., Lorenz, H. P., Wan, D. C.
2021: 10556656211013177
- **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
- **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
- **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
- **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)
- **Nonsurgical Orthodontic Airway Plate Treatment for Newborns With Robin Sequence.** *The Cleft palate-craniofacial journal : official publication of the American Cleft Palate-Craniofacial Association*
Choo, H., Khosla, R. K., Meister, K. D., Wan, D. C., Lin, H. C., Feczko, R., Bruckman, K., Hopkins, E., Truong, M. T., Lorenz, H. P.
2021: 10556656211007689
- **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
- **AAPS Podium Presentations-Has the Level of Evidence Changed over the Past Decade?** *Plastic and reconstructive surgery. Global open*
Chattopadhyay, A., Wu, R., Wan, D., Momeni, A.
2021; 9 (5): e3588
- **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
- **Lymphatic regeneration after implantation of aligned nanofibrillar collagen scaffolds: Preliminary preclinical and clinical results.** *Journal of surgical oncology*
Nguyen, D., Zaitseva, T. S., Zhou, A., Rochlin, D., Sue, G., Deptula, P., Tabada, P., Wan, D., Loening, A., Paukshto, M., Dionyssiou, D.
2021
- **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
- **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
- **ALK-positive compound Spitz nevus with extensive perineural and intraneural neurotropism.** *Journal of cutaneous pathology*
Brown, R. A., Wang, J. Y., Raghavan, S. S., Zhang, J., Wan, D. C., Born, D., Koo, M., Hazard, F. K., Novoa, R. A., Rieger, K. E.
2020
- **Single-Cell RNA Sequencing Uncovers Antifibrotic Subpopulations of Macrophages in the Cellular Response to Skin Xenografts**
Henn, D., Chen, K., Maan, Z., Illouz, S., Bonham, C. A., Barrera, J. A., Momeni, A., Wan, D. C., Januszyk, M., Gurtner, G. C.
ELSEVIER SCIENCE INC.2020: S232
- **Decellularized Adipose Tissue Extracellular Matrices Restore Volume Defects and Promote Regeneration of Irradiated Soft Tissue**
Borrelli, M. R., Adem, S., Deleon, N., Ngaage, L. M., Momeni, A., Nazerali, R., Wan, D. C.
ELSEVIER SCIENCE INC.2020: E184
- **Skeletal Stem Cells Promote Regeneration in Long Bone Distraction Osteogenesis**
Salhotra, A., Shah, H. N., Wan, D. C.
ELSEVIER SCIENCE INC.2020: S232–S233
- **Understanding Long Bone Regeneration through the Development of a Novel Murine Distraction Device**
Shah, H. N., Salhotra, A., Wan, D. C., Longaker, M. T.
ELSEVIER SCIENCE INC.2020: E173
- **Detection, Scoring, and Classification of Solid Organ Fibroses with Machine Learning Analysis**
Mascharak, S., desJardins-Park, H. E., Davitt, M., Foster, D. S., Chinta, M., Wan, D. C., Wernig, G., Longaker, M. T.
ELSEVIER SCIENCE INC.2020: S222
- **Adipose-Derived Stromal Cells within Transplanted Fat Hone to Blood Vessels and Assume a Pericyte Structure**
Borrelli, M. R., Adem, S., Deleon, N., Abbas, D., Momeni, A., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2020: E183
- **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

- **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
- **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., Steininger, H., Zhao, L., Walkiewicz, et al
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
- **Human cryopreserved skin grafts recruit M2-macrophages and induce angiogenesis in a murine xenograft model**
Henn, D., Chen, K., Maan, Z. N., Illouz, S., Bonham, C. A., Fischer, K. S., Padmanabhan, J., Barrera, J. A., Wan, D. C., Januszyk, M., Gurtner, G. C.
WILEY.2020: S62–S63
- **Supplementing fat grafts with Renuva (R) promotes regeneration of irradiated soft tissue**
Borrelli, M. R., Diaz, N., Adem, S., Spargo, T., Sen, A., Dung Nguyen, Momeni, A., Nazerali, R., Wan, D. C.
WILEY.2020: S62
- **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
 - **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
 - **Saethre-Chotzen Syndrome: A Report of 7 Patients and Review of the Literature.** *Annals of plastic surgery*
Abulezz, T. A., Allam, K. A., Wan, D. C., Lee, J. C., Kawamoto, H. K.
2020
 - **Compounding Benefits of Sentinel Lymph Node Biopsy for Perineal Melanoma: A Population-Based Retrospective Cohort Analysis.** *Annals of plastic surgery*
Patel, R. A., Patel, P. D., Ashack, K., Borrelli, M. R., Trickey, A., Wan, D. C.
2020; 84 (5S Suppl 4): S257–S263
 - **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., Dung Nguyen, Momeni, A., Longaker, M. T., Wan, D. C.
2020; 40 (4): 369–79
 - **Commentary on: Accelerated chronic skin changes without allograft vasculopathy: A 10-year outcome report after face transplantation.** *Surgery*
Wan, D. C., Yang, G. P.
2020
 - **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
 - **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
 - **Delivery of Human Stromal Vascular Fraction Cells on Nanofibrillar Scaffolds for Treatment of Peripheral Arterial Disease.** *Frontiers in bioengineering and biotechnology*
Hu, C. n., Zaitseva, T. S., Alcazar, C. n., Tabada, P. n., Sawamura, S. n., Yang, G. n., Borrelli, M. R., Wan, D. C., Nguyen, D. H., Paukshto, M. V., Huang, N. F.
2020; 8: 689
 - **Pelvic/Perineal Reconstruction: Time to Consider the Anterolateral Thigh Flap as a First-line Option?** *Plastic and reconstructive surgery. Global open*
Perrault, D. n., Kin, C. n., Wan, D. C., Kirilcuk, N. n., Shelton, A. n., Momeni, A. n.
2020; 8 (4): e2733

- **Cryopreserved human skin allografts promote angiogenesis and dermal regeneration in a murine model.** *International wound journal*
Henn, D. n., Chen, K. n., Maan, Z. N., Greco, A. H., Moortgat Illouz, S. E., Bonham, C. A., Barrera, J. A., Trotsyuk, A. A., Padmanabhan, J. n., Momeni, A. n., Wan, D. C., Nguyen, D. n., Januszyk, et al
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
- **The Impact of Device Innovation on Clinical Outcomes in Expander-based Breast Reconstruction** *PLASTIC AND RECONSTRUCTIVE SURGERY-GLOBAL OPEN*
Momeni, A., Li, A. Y., Tsai, J., Wan, D., Karin, M. R., Wapnir, I. L.
2019; 7 (12)
- **The Impact of Device Innovation on Clinical Outcomes in Expander-based Breast Reconstruction.** *Plastic and reconstructive surgery. Global open*
Momeni, A., Li, A. Y., Tsai, J., Wan, D., Karin, M. R., Wapnir, I. L.
2019; 7 (12): e2524
- **Retrospective cohort-based comparison of intraoperative liposomal bupivacaine versus bupivacaine for donor site iliac crest analgesia during alveolar bone grafting.** *Journal of plastic, reconstructive & aesthetic surgery : JPRAS*
Patel, R. A., Jablonka, E. M., Rustad, K. C., Pridgen, B. C., Sorice-Virk, S. S., Borrelli, M. R., Khosla, R. K., Lorenz, H. P., Momeni, A., Wan, D. C.
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
- **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
- **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
- **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
- **Should free deep inferior epigastric artery perforator flaps be considered a quality indicator in breast reconstruction?** *Journal of plastic, reconstructive & aesthetic surgery : JPRAS*
Tevlin, R., Wan, D. C., Momeni, A.
2019
- **Identifying risk factors for postoperative major complications in staged implant-based breast reconstruction with AlloDerm** *BREAST JOURNAL*
Remington, A. C., Gurtner, G. C., Wan, D. C., Nguyen, D., Momeni, A.
2019; 25 (4): 597–603
- **Postoperative analgesia after microsurgical breast reconstruction using liposomal bupivacaine (Exparel).** *The breast journal*

- Momeni, A., Ramesh, N. K., Wan, D., Nguyen, D., Sorice, S. C.
2019
- **Identifying risk factors for postoperative major complications in staged implant-based breast reconstruction with AlloDerm.** *The breast journal*
Remington, A. C., Gurtner, G. C., Wan, D. C., Nguyen, D., Momeni, A.
2019
 - **Acellular Dermal Matrix Reduces Myofibroblast Presence in the Breast Capsule.** *Plastic and reconstructive surgery. Global open*
Tevlin, R., Borrelli, M. R., Irizarry, D., Nguyen, D., Wan, D. C., Momeni, A.
2019; 7 (5): e2213
 - **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., 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
 - **Beneath the Surface: A Review of Laser Remodeling of Hypertrophic Scars and Burns.** *Advances in wound care*
Kuehlmann, B., Stern-Buchbinder, Z., Wan, D. C., Friedstat, J. S., Gurtner, G. C.
2019; 8 (4): 168-176
 - **Beneath the Surface: A Review of Laser Remodeling of Hypertrophic Scars and Burns** *ADVANCES IN WOUND CARE*
Kuehlmann, B., Stern-Buchbinder, Z., Wan, D. C., Friedstat, J. S., Gurtner, G. C.
2019; 8 (4): 168–76
 - **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
 - **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
 - **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
 - **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
 - **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

- **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
- **A Matched-Pair Analysis of Prepectoral with Subpectoral Breast Reconstruction: Is There a Difference in Postoperative Complication Rate?** *Plastic and reconstructive surgery*
Momeni, A. n., Remington, A. C., Wan, D. C., Nguyen, D. n., Gurtner, G. C.
2019; 144 (4): 801–7
- **Discussion: Recipient-Site Preconditioning with Deferoxamine Increases Fat-Graft Survival by Inducing VEGF and Neovascularization in a Rat Model.** *Plastic and reconstructive surgery*
Kuehlmann, B. n., Wan, D. C., Gurtner, G. C.
2019; 144 (4): 630e–631e
- **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
- **Honey bee Royalactin unlocks conserved pluripotency pathway in mammals.** *Nature communications*
Wan, D. C., Morgan, S. L., Spencley, A. L., Mariano, N., Chang, E. Y., Shankar, G., Luo, Y., Li, T. H., Huh, D., Huynh, S. K., Garcia, J. M., Dovey, C. M., Lumb, et al
2018; 9 (1): 5078
- **Honey bee Royalactin unlocks conserved pluripotency pathway in mammals** *NATURE COMMUNICATIONS*
Wan, D. C., Morgan, S. L., Spencley, A. L., Mariano, N., Chang, E. Y., Shankar, G., Luo, Y., Li, T. H., Huh, D., Huynh, S. K., Garcia, J. M., Dovey, C. M., Lumb, et al
2018; 9
- **Reply: Deferoxamine Preconditioning of Irradiated Tissue Improves Perfusion and Fat Graft Retention.** *Plastic and reconstructive surgery*
Wan, D. C.
2018; 142 (6): 978e
- **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+
- **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
- **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
- **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

- **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
- **Utilizing Confocal Microscopy to Characterize Human and Mouse Adipose Tissue** *TISSUE ENGINEERING PART C-METHODS*
Blackshear, C. P., Borrelli, M. R., Shen, E. Z., Ransom, R., Chung, N. N., Vistnes, S. M., Irizarry, D., Nazerali, R., Momeni, A., Longaker, M. T., Wan, D. C.
2018; 24 (10): 566–77
- **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+
- **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
- **Determining the impact of sarcopenia on postoperative complications after ventral hernia repair.** *Journal of plastic, reconstructive & aesthetic surgery : JPRAS*
Barnes, L. A., Li, A. Y., Wan, D. C., Momeni, A.
2018; 71 (9): 1260–68
- **Determining the impact of sarcopenia on postoperative complications after ventral hernia repair** *JOURNAL OF PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY*
Barnes, L. A., Li, A. Y., Wan, D. C., Momeni, A.
2018; 71 (9): 1260–68
- **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
- **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
- **Opinions on Authorship: A Survey of Plastic Surgery Residents and Fellows** *ANNALS OF PLASTIC SURGERY*
Momeni, A., Hunter, C., Li, A. Y., Safa, B., Wan, D. C., Kneser, U.
2018; 80 (6): 660–63
- **Pathway Analysis of Gene Expression in Murine Fetal and Adult Wounds** *ADVANCES IN WOUND CARE*
Hu, M. S., Hong, W., 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.
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

- **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
- **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
- **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
- **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
- **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
- **Impact of a Cleft and Craniofacial Center on an Academic Health System.** *Plastic and reconstructive surgery*
Pourtaheri, N., Kearney, A., Wan, D. C., Lakin, G. E.
2017; 140 (4): 587e-597e
- **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
- **Characterization of Adipose Tissue Using 3-Dimensional Confocal Microscopy**
Blackshear, C. P., Irizarry, D. M., Montenegro, C. F., Wan, D. C.
ELSEVIER SCIENCE INC.2017: S161
- **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
- **Is Distraction Osteogenesis of the Irradiated Craniofacial Skeleton Contraindicated?** *JOURNAL OF CRANIOFACIAL SURGERY*
Momeni, A., Januszyk, M., Wan, D. C.
2017; 28 (5): 1236–41
- **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., Raphael, J., Brett, E. A., Flacco, J., Alyono, M. C., Momeni, A., Heilshorn, S., Longaker, M. T., Wan, et al
2017
- **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
 - **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
 - **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*
Irizarry, D. M., Wan, D. C.
2017; 139 (4): 908–9
 - **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
 - **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
 - **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)
 - **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
 - **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
 - **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

- **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
- **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
- **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
- **Systematic Reviews in Craniofacial Trauma-Strengths and Weaknesses.** *Annals of plastic surgery*
Hunter, C., Januszyk, M., Wan, D. C., Momeni, A.
2016; 77 (3): 363-368
- **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
- **Clinical Use of Deferoxamine in Distraction Osteogenesis of Irradiated Bone** *JOURNAL OF CRANIOFACIAL SURGERY*
Momeni, A., Rapp, S., Donneys, A., Buchman, S. R., Wan, D. C.
2016; 27 (4): 880-882
- **Clinical Use of Deferoxamine in Distraction Osteogenesis of Irradiated Bone** *JOURNAL OF CRANIOFACIAL SURGERY*
Momeni, A., Rapp, S., Donneys, A., Buchman, S. R., Wan, D. C.
2016; 27 (4): 880-882
- **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
- **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
- **Mandibular Distraction in a Patient With Type II Collagenopathy.** *journal of craniofacial surgery*
Garza, R. M., Alyono, J. C., Dorfman, D. W., Wan, D. C.
2016: -?

- **Microsurgical ear replantation is venous repair necessary? A systematic review** *MICROSURGERY*
Momeni, A., Liu, X., Januszzyk, M., Wan, D. C., Buncke, G. M., Buntic, R. F., Parrett, B. M.
2016; 36 (4): 345-350
- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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)
- **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
- **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
- **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
 - **How "Low-Level" Evidence Has Changed Plastic Surgery <i>Time to Appreciate the Value of Case Reports and Case Series</i>** *ANNALS OF PLASTIC SURGERY*
Momeni, A., Wan, D. C.
2015; 75 (4): 361-363
 - **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
 - **How "Low-Level" Evidence Has Changed Plastic Surgery: Time to Appreciate the Value of Case Reports and Case Series.** *Annals of plastic surgery*
Momeni, A., Wan, D. C.
2015; 75 (4): 361-363
 - **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
 - **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
 - **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., Januszyk, 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

- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **Adipose derived stromal cells obtained by ultrasound assisted liposuction versus suction assisted liposuction: a comparison of their regenerative capacity.** *Plastic and reconstructive surgery*
Atashroo, D., Duscher, D., Maan, Z. N., Zielins, E. R., Paik, K., Whittam, A., Lin, M., McArdle, A., Duldulao, C., Walmsley, G. G., Hu, M. S., Tevlin, R., Wan, et al
2014; 134 (4): 56-57
- **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

- **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
- **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
- **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
- **Fat or fiction: origins matter.** *Cell metabolism*
Wan, D. C., Longaker, M. T.
2014; 19 (6): 900-901
- **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
- **Long noncoding RNA: significance and potential in skin biology.** *Cold Spring Harbor perspectives in medicine*
Wan, D. C., Wang, K. C.
2014; 4 (5)
- **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 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 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-?
- **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., Marcic, O., Hu, M. S., Paik, K. J., Senarath-Yapa, K., Atashroo, D.
A., Zielins, E. R., Wan, et al
2014
- **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
- **Long Noncoding RNA: Significance and Potential in Skin Biology.** *Cold Spring Harbor perspectives in medicine*
Wan, D. C., Wang, K. C.
2014; 4 (5)
- **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., Marcic, O., Hu, M. S., Paik, K. J., Senarath-Yapa, K., Atashroo, D.
A., Zielins, E. R., Wan, et al
2014
- **Aesthetic Surgery Training during Residency in the United States: A Comparison of the Integrated, Combined, and Independent Training Models.** *Plastic surgery international*
Momeni, A., Kim, R. Y., Wan, D. C., Izadpanah, A., Lee, G. K.
2014; 2014: 281923-?
- **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
- **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
- **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
- **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

- **Simultaneous reconstruction of extensor mechanism in the free transfer of vascularized proximal interphalangeal joint.** *Techniques in hand & upper extremity surgery*
Lin, Y., Kao, D. S., Wan, D. C., Lien, S., Lin, C., Wei, F.
2013; 17 (1): 20-24
- **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
- **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
- **Novel Application of Human Morphomics to Quantify Temporal Soft Tissues in Pierre Robin and Treacher Collins** *JOURNAL OF CRANIOFACIAL SURGERY*
Lisiecki, J., Wan, D. C., Wang, L., Zhang, P., Enchakalody, B., Zhang, X., Kasten, S. J., Wang, S. C., Buchman, S. R., Levi, B.
2013; 24 (1): 158-162
- **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
- **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
- **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
- **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
- **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
- **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

- **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
- **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
- **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)
- **Autologous Fat Transplantation in the Craniofacial Patient: The UCLA Experience** *JOURNAL OF CRANIOFACIAL SURGERY*
Lim, A. A., Fan, K., Allam, K. A., Wan, D., Tabit, C., Liao, E., Kawamoto, H. K., Bradley, J. P.
2012; 23 (4): 1061-1066
- **Fat Grafting Versus Adipose-Derived Stem Cell Therapy: Distinguishing Indications, Techniques, and Outcomes** *AESTHETIC PLASTIC SURGERY*
Tabit, C. J., Slack, G. C., Fan, K., Wan, D. C., Bradley, J. P.
2012; 36 (3): 704-713
- **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
- **Training the Contemporary Surgeon-Scientist** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Wan, D. C., Wang, K. C., Longaker, M. T.
2012; 129 (4): 1023-1025
- **The commissure-based triangular flap for lip revision following reconstruction of a through-and-through defect** *JOURNAL OF PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY*
Tsao, C., Wan, D. C., Chen, W., Kao, D. S., Levi, B.
2012; 65 (2): 271-273
- **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
- **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
- **Open Reduction and Internal Fixation of Mandibular Angle Fractures Using Temporary Kirschner Wire Fixation** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Perry, A. D., Wan, D. C., Shih, H., Tanna, N., Bradley, J. P.
2012; 129 (1): 192E-194E
- **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
- **Paramedian Mandibular Cleft: Revisiting the Tessier Classification** *JOURNAL OF CRANIOFACIAL SURGERY*
Tanna, N., Wan, D. C., Perry, A. D., Kawamoto, H. K., Bradley, J. P.

2012; 23 (1): E38-E40

- **Correction of Hypertelorbitism: Evaluation of Relapse on Long-Term Follow-Up** *JOURNAL OF CRANIOFACIAL SURGERY*
Wan, D. C., Levi, B., Kawamoto, H., Tanna, N., Tabit, C., do Amaral, C. R., Bradley, J. P.
2012; 23 (1): 113-117
- **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
- **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
- **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
- **Distraction Osteogenesis of Costochondral Rib Grafts and Treatment Algorithm for Severely Hypoplastic Mandibles** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Wan, D. C., Taub, P. J., Allam, K. A., Perry, A., Tabit, C. J., Kawamoto, H. K., Bradley, J. P.
2011; 127 (5): 2005-2013
- **Treatment of Apert Syndrome: A Long-Term Follow-Up Study** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Allam, K. A., Wan, D. C., Khwannern, K., Kawamoto, H. K., Tanna, N., Perry, A., Bradley, J. P.
2011; 127 (4): 1601-1611
- **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
- **The Spectrum of Median Craniofacial Dysplasia** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Allam, K. A., Wan, D. C., Kawamoto, H. K., Bradley, J. P., Sedano, H. O., Saied, S.
2011; 127 (2): 812-821
- **Quality of Innervation in Sensate Medial Plantar Flaps for Heel Reconstruction** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Wan, D. C., Gabbay, J., Levi, B., Boyd, J. B., Granzow, J. W.
2011; 127 (2): 723-730
- **Craniofacial Microsomia Soft-Tissue Reconstruction Comparison: Inframammary Extended Circumflex Scapular Flap versus Serial Fat Grafting** *89th Annual Meeting of the American-Association-of-Plastic-Surgeons*
Tanna, N., Wan, D. C., Kawamoto, H. K., Bradley, J. P.
LIPPINCOTT WILLIAMS & WILKINS.2011: 802-11
- **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
- **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
- **Correction of Large Facial Encephalocele With Bilateral Rare Craniofacial Clefts** *JOURNAL OF CRANIOFACIAL SURGERY*
Wan, D. C., Lazareff, J. A., Jarrahy, R., Bradley, J. P.
2011; 22 (1): 338-342

- **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
- **Gradual Orbital Contraction after Facial Bipartition: Correction of Wide No. 0 to 14 Craniofacial Cleft** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Wan, D. C., Tanna, N., Allam, K. A., Perry, A., Bradley, J. P.
2010; 126 (6): 2109-2112
- **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
- **Inclusion of Mesh in Donor-Site Repair of Free TRAM and Muscle-Sparing Free TRAM Flaps Yields Rates of Abdominal Complications Comparable to Those of DIEP Flap Reconstruction** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Wan, D. C., Tseng, C. Y., Anderson-Dam, J., Dalio, A. L., Crisera, C. A., Festekjian, J. H.
2010; 126 (2): 367-374
- **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
- **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
- **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
- **Amelioration of Acquired Nasopharyngeal Stenosis, with Bilateral Z-Pharyngoplasty** *ANNALS OF PLASTIC SURGERY*
Wan, D. C., Kumar, A., Head, C. S., Katchikian, H., Bradley, J. P.
2010; 64 (6): 747-750
- **Marjolin Ulcer in Hidradenitis Suppurativa Case Reports** *ANNALS OF PLASTIC SURGERY*
Grewal, N. S., Wan, D. C., Roostaeian, J., Rubayi, S. R.
2010; 64 (3): 315-317
- **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
- **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
- **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
- **Craniofacial Autologous Fat Transfer** *JOURNAL OF CRANIOFACIAL SURGERY*
Wan, D. C., Lim, A. T., Longaker, M. T.
2009; 20 (2): 273-274

- **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
- **Tissue-harvest procedure has no effect on adipose-derived stromal cell-mediated bone tissue engineering in vitro**
Panetta, N. J., Gupta, D. M., Kwan, M. D., Wan, D. C., Commons, G. W., Longaker, M. T.
edited by Wall, S. A.
MEDIMOND S R L.2009: 163-165
- **Human adipose-derived stromal cells elaborate and respond to bone morphogenetic protein-2 (bmp-2) during in vitro osteogenic differentiation**
Gupta, D. M., Panetta, N. J., Wan, D. C., Commons, G. W., Longaker, M. T.
edited by Wall, S. A.
MEDIMOND S R L.2009: 79-81
- **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
- **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
- **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
- **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
- **Testicular carcinoma presenting as cutaneous nasal metastasis: Case report and review of the literature** *BRITISH JOURNAL OF ORAL & MAXILLOFACIAL SURGERY*
Gleizal, A., Torossian, J. M., Wan, D. C., Beziat, J.
2008; 46 (5): 416-418
- **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
- **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
- **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
- **Highlights of the proceedings from the 12th International Congress of the International Society of Craniofacial Surgery: ISCSF 2007.** *journal of craniofacial surgery*
Wan, D. C., Kwan, M. D., Bradley, J. P.
2008; 19 (2): 551-554

- **Myoplasty for congenital macrostomia** *CLEFT PALATE-CRANIOFACIAL JOURNAL*
Gleizal, A., Wan, D. C., Kwan, M. D., Beziat, J.
2008; 45 (2): 179-186
- **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
- **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
- **Revitalizing the training of clinical scientists in surgery** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Wan, D. C., Longaker, M. T.
2007; 120 (7): 2073-75
- **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
- **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
- **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
- **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
- **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
- **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
- **Bilateral macrostomia as an isolated pathology** *CLEFT PALATE-CRANIOFACIAL JOURNAL*
Gleizal, A., Wan, D. C., Picard, A., Lavis, J., Vazquez, M., Beziat, J.
2007; 44 (1): 58-61
- **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
- **Rotation of cranial sutures to determine the role of regional dura mater on cranial suture fate**
Slater, B. J., Kwan, M. D., Gupta, D. M., Amasha, R. R., Wan, D. C., Longaker, M. T.
edited by Wolfe, S. A.
MEDIMOND S R L.2007: 65-67
- **Gene expression differences between the dura mater of fusing and patent sutures in the mouse model**
Kwan, M. D., Wan, D. C., Wang, Z., Gupta, D. M., Slater, B. J., Beck, D., Longaker, M. T.

edited by Wolfe, S. A.
MEDIMOND S R L.2007: 21-24

- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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., Nacamuli, 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
- **Rotation of cranial sutures to determine the role of regional dura mater on cranial suture fate**
Slater, B. J., Kwan, M. D., Gupta, D. M., Amasha, R. R., Wan, D. C., Longaker, M. T.
edited by Wolfe, S. A.
MEDIMOND S R L.2007: 65-67
- **Gene expression differences between the dura mater of fusing and patent sutures in the mouse model**
Kwan, M. D., Wan, D. C., Wang, Z., Gupta, D. M., Slater, B. J., Beck, D., Longaker, M. T.
edited by Wolfe, S. A.
MEDIMOND S R L.2007: 21-24
- **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

- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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

- **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
- **Craniofacial bone tissue engineering.** *Dental clinics of North America*
Wan, D. C., Nacamuli, R. P., Longaker, M. T.
2006; 50 (2): 175-?
- **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
- **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
- **Favorable morphologic change of preosteoblasts in a three-dimensional matrix with in vitro microdistraction** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Askari, M., Gabbay, J. S., Tahernia, A., O'Hara, C. M., Heller, J. B., Azari, K., Hollinger, J. O., Bradley, J. P.
2006; 117 (2): 449-457
- **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
- **Murine models of mandibular distraction osteogenesis: Towards defining the mechanical environment and the role of angiogenesis**
Kwan, M. D., Wan, D. C., Lobo, E. G., Fang, T. D., Longaker, M. T.
edited by Diner, P. A., Arnaud, E., Vazquez, M. P.
MEDIMOND S R L.2006: 1-+
- **Stem cells and distraction osteogenesis: Endothelial progenitor cells home to the ischemic generate in activation and consolidation - Discussion** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Wan, D. C., Longaker, M. T.
2005; 116 (4): 1065-1067
- **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
- **Producing accurate platelet counts for platelet rich plasma: Validation of a hematology analyzer and preparation techniques for counting - Discussion** *JOURNAL OF CRANIOFACIAL SURGERY*
Wan, D. C., Longaker, M. T.
2005; 16 (5): 757-759
- **Noggin suppression enhances osteogenesis of murine osteoblasts**
Wan, D. C., Pomerantz, J., Nacamuli, R., Siedhoff, M., Blau, H., Longaker, M. T.
ELSEVIER SCIENCE INC.2005: S62
- **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-?
- **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-?
- **Mechanisms of osteogenic differentiation of mouse adipose-derived mesenchymal cells** *11th International Congress of the International-Society-of-Craniofacial-Surgery*

- Shi, Y. Y., Nacamuli, R. P., Salim, A., Quarto, N., LYONS, K. M., Wan, D. C., Cowan, C. M., Helms, J. A., Longaker, M. T.
MEDIMOND S R L.2005: 63–65
- **Embryologic tissue derivation affects post-natal calvarial healing** *11th International Congress of the International-Society-of-Craniofacial-Surgery*
Wan, D. C., Shi, Y. Y., Siedhoff, M. T., Nacamuli, R. P., Longaker, M. T.
MEDIMOND S R L.2005: 11–13
 - **Distinct biologic properties of FACS-sorted murine adipose-derived mesenchymal cells** *11th International Congress of the International-Society-of-Craniofacial-Surgery*
Siedhoff, M. T., Nacamuli, R. P., Wan, D. C., Shi, Y. Y., Bhattacharya, D., Weissman, I. L., Longaker, M. T.
MEDIMOND S R L.2005: 55–57
 - **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
 - **Determining the most effective time course of retinoic acid priming for murine adipose-derived mesenchymal cell osteogenesis** *11th International Congress of the International-Society-of-Craniofacial-Surgery*
Siedhoff, M. T., Nacamuli, R. P., Wan, D. C., Shi, Y. Y., Longaker, M. T.
MEDIMOND S R L.2005: 51–53
 - **Identifying optimal retinoic acid dose for adipose-derived mesenchymal cell osteogenesis** *11th International Congress of the International-Society-of-Craniofacial-Surgery*
Wan, D. C., Shi, Y. Y., Siedhoff, M. T., Nacamuli, R. P., Longaker, M. T.
MEDIMOND S R L.2005: 59–61
 - **Quantitative transcriptional analysis of fusing and nonfusing cranial suture complexes in mice** *11th International Congress of the International-Society-of-Craniofacial-Surgery*
Nacamuli, R. P., Song, H. M., Fang, T. D., Fong, K. D., Mathy, J. A., Shi, Y. Y., Salim, A., Wan, D. C., Longaker, M. T.
MEDIMOND S R L.2005: 277–279
 - **Determining the most effective time course of retinoic acid priming for murine adipose-derived mesenchymal cell osteogenesis**
Siedhoff, M. T., Nacamuli, R. P., Wan, D. C., Shi, Y. Y., Longaker, M. T.
edited by David, D. J.
MEDIMOND S R L.2005: 51-53
 - **Noggin suppression enhances osteogenesis of murine osteoblasts**
Wan, D. C., Pomerants, J. H., Nacamuli, R. P., Kim, J. B., Blau, H. M., Longaker, M. T.
edited by David, D. J.
MEDIMOND S R L.2005: 3-5
 - **Embryologic tissue derivation affects post-natal calvarial healing**
Wan, D. C., Shi, Y. Y., Siedhoff, M. T., Nacamuli, R. P., Longaker, M. T.
edited by David, D. J.
MEDIMOND S R L.2005: 11-13
 - **Mechanisms of osteogenic differentiation of mouse adipose-derived mesenchymal cells**
Shi, Y. Y., Nacamuli, R. P., Salim, A., Quarto, N., Lyons, K. M., Wan, D. C., Cowan, C. M., Helms, J. A., Longaker, M. T.
edited by David, D. J.
MEDIMOND S R L.2005: 63-65
 - **Identifying optimal retinoic acid dose for adipose-derived mesenchymal cell osteogenesis**
Wan, D. C., Shi, Y. Y., Siedhoff, M. T., Nacamuli, R. P., Longaker, M. T.
edited by David, D. J.
MEDIMOND S R L.2005: 59-61
 - **Quantitative transcriptional analysis of fusing and nonfusing cranial suture complexes in mice**
Nacamuli, R. P., Song, H. M., Fang, T. D., Fong, K. D., Mathy, J. A., Shi, Y. Y., Salim, A., Wan, D. C., Longaker, M. T.

edited by David, D. J.
MEDIMOND S R L.2005: 277-279

- **Distinct biologic properties of FACS-sorted murine adipose-derived mesenchymal cells**
Siedhoff, M. T., Nacamuli, R. P., Wan, D. C., Shi, Y. Y., Bhattacharya, D., Weissman, I. L., Longaker, M. T.
edited by David, D. J.
MEDIMOND S R L.2005: 55-57