Stanford



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**

  730 Welch Rd 1st Fl

  Palo Alto, CA 94304

  Tel (650) 723-4883 **Fax** (650) 497-8874

Bio

CLINICAL FOCUS

- Plastic Surgery

ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Surgery - Plastic & Reconstructive Surgery
- Professor-Univ Med 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

Postdoctoral Research Mentor

Sanja Bojic

Publications

PUBLICATIONS

- **Conservation of the tumour microenvironment across organs and species.** *Nature*
  Januszyk, M., Lu, J. M., Korah, M., Jing, S. L., Xie, P. Y., Fallah, M., Pham, B., Guo, J. L., Berry, C. E., Wang, H. H., Talbott, H. E., Nee, K., Le, et al
  2026
- **Protocol to study bleomycin-induced skin fibrosis in mice.** *STAR protocols*
  Griffin, M. F., Morgan, A. G., Reddy Ailury, N. A., Valencia, C., Parker, J., Guo, J. L., Li, D. J., Tran, P., Gong, M., Wan, D. C., Longaker, M. T.
  2026; 7 (4): 104960
- **Biomimetic Nanoparticles and Their Cellular Effects on Dermal Fibrosis and Tissue Regeneration after Full Thickness Thermal Injury on Murine Skin**
  Shibale, P., Bojic, S., Lavin, C., Kendig, C., Nemani, S., Morgan-Joseph, A., Longaker, M. T., Wan, D. C.
  LIPPINCOTT WILLIAMS & WILKINS.2026: S277
- **Comparative Genomic Analysis of Radiation Induced Skin Fibrosis Across Species**
  Shibale, P., Bojic, S., Parker, J., Lavin, C., Kendig, C., Nemani, S. V., Morgan-Joseph, A., Longaker, M. T., Wan, D. C.
  LIPPINCOTT WILLIAMS & WILKINS.2026: S283-S284
- **Radiation-Induced Vascular Fibrosis and Endothelial Dysfunction Is Driven by Ferroptosis and Fibrotic Macrophage Sub-Populations**
  Kendig, C., Hou, J., Parker, J. B. L., Shibale, P., Lavin, C., Longaker, M. T., Wan, D. C.
  LIPPINCOTT WILLIAMS & WILKINS.2026: S291
- **Deferoxamine Improves Radiation-Induced Peripheral Neuropathy.** *Journal of cellular and molecular medicine*
  Lavin, C. V., Fazilat, A. Z., Kendig, C. B., Shibale, P., Huang, K. X., Nemani, S., Parker, J. B., Valencia, C., Ailury, N. A., Griffin, M., Momeni, A., Longaker, M. T., Wan, et al
  2026; 30 (11): e71227
- **Comparative Analysis of Hospital Charges in Infants With Robin Sequence: Nonsurgical Orthodontic Airway Plate Versus Surgical Mandibular Distraction.** *The Cleft palate-craniofacial journal : official publication of the American Cleft Palate-Craniofacial Association*
  Krakauer, K. N., Forrest, C. R., Park, J. Y., Zhang, J., Olivares, M., Ly, M., Komondor, K., Lorenz, P. H., Wan, D. C., Choo, H.
  2026: 10556656261450712
- **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
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- **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
- **A Pan-Cancer Single-Cell Atlas to Evaluate Tumor Identity, Cell Line Concordance, and Dependency Mapping.** *bioRxiv : the preprint server for biology*

Reveron-Thornton, R. F., Agolia, J. P., Guo, C., Korah, M., Hsu, C. H., Xie, P. Y., Flojo, R. A., Delitto, A. E., Gonçalves, A., Tabora, A. D., Januszyk, M., Sanchez, V. E., Nee, 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
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- **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

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- **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., Steininger, H. M., Hoover, M. Y., Felix, F., Weldon, K. C., Koepke, et al
  2025

- **Postoperative adhesions are abrogated by a sustained-release anti-JUN therapeutic in preclinical models.** *Science translational medicine*
  Foster, D. S., Guo, J. L., Meany, E., Berry, C. E., Fallah, M., Korah, M., Januszyk, M., Bauer-Rowe, K. E., Lopez, D. M., Williams, C. M., Song, R., Griffin, M., Kim, et al
  2025; 17 (789): eadp9957

- **Inhibiting mechanotransduction prevents scarring and yields regeneration in a large animal model.** *Science translational medicine*
  Mascharak, S., Griffin, M., Talbott, H. E., Guo, J. L., Parker, J., Morgan, A. G., Valencia, C., Kuhnert, M. M., Li, D. J., Liang, N. E., Kratofil, 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*
  Talbott, 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., Kameni, L., Abbas, D., Downer, M., Parker, J. B., Liang, N., Januszyk, M., Longaker, M. T., Wan, D. C.
  LIPPINCOTT WILLIAMS & WILKINS.2023: S382-S383
- **Single-Cell RNA-Seq Analysis Reveals Similar Fibroblasts in Irradiated Skin of Humans, Mice, and Pigs**
  Kameni, L., Berry, C., Griffin, M., Januszyk, M., Downer, M., Huber, J. L., Parker, J., Momeni, A., Longaker, M. T., Wan, D. C.
  LIPPINCOTT WILLIAMS & WILKINS.2023: S389
- **Single-Cell RNA-Sequencing Identifies Modulator of Foreign Body Response with Use of Acellular Dermal Matrix in Breast Reconstruction**
  Liang, N., Tevlin, R., Griffin, M., Parker, J. B., Henn, D., Navarro, R. S., Dung Nguyen, Momeni, A., Wan, D. C., Longaker, M. T.
  LIPPINCOTT WILLIAMS & WILKINS.2023: S389-S390
- **Tissue Microenvironment a Key Driver in Fibrotic Capsules Formed During Foreign Body Response**
  Parker, J. B., Griffin, M., Downer, M., Morgan, A., Guo, J. L., Liang, N., Berry, C., Diiorio, S., Wan, D. C., Longaker, M. T.
  LIPPINCOTT WILLIAMS & WILKINS.2023: S393
- **Fat Grafting Treatment for Radiation-Induced Fibrosis Results in Downregulation of Inflammatory and Fibrotic Signaling Pathways**
  Berry, C., Abbas, D., Kameni, L., Griffin, M., Downer, M., Parker, J. B., Guo, J. L., Januszyk, M., Longaker, M. T., Wan, D. C.
  LIPPINCOTT WILLIAMS & WILKINS.2023: S381-S382
- **Analysis of Collagen Extracellular Matrix Ultrastructure in Mouse Long Bone Distraction Osteogenesis**
  Diiorio, S., Guo, J. L., Griffin, M., Huber, J. L., Downer, M., Berry, C., Wan, D. C., Longaker, M. T.

LIPPINCOTT WILLIAMS & WILKINS.2023: S378-S379

- **Grafting of Human Foreskin onto Murine Dorsum Provides a Novel Model of Chronic Radiation-Induced Fibrosis**
  Berry, C., Abbas, D., Griffin, M., Kameni, L., Downer, M., Parker, J. B., Liang, N., Dilorio, S., Longaker, M. T., Wan, D. C.
  LIPPINCOTT WILLIAMS & WILKINS.2023: S398

- **Meta-Analysis of Single-Cell Transcriptomics Data of Cardiac Fibroblasts Reveals Temporal Heterogeneity of Cardiac Fibroblast Response after MI**
  Lu, J., Januszyk, M., Griffin, M., Guo, J. L., Wan, D. C., Longaker, M. T.
  LIPPINCOTT WILLIAMS & WILKINS.2023: S68

- **Novel Deferoxamine Cream Formulation Improves Perfusion, Elasticity, and Tissue Architecture in Chronically Irradiated Murine Skin Compared to Transdermal Patch**
  Berry, C., Abbas, D., Kameni, L., Griffin, M., Downer, M., Parker, J. B., Liang, N., Guo, J. L., Longaker, M. T., Wan, D. C.
  LIPPINCOTT WILLIAMS & WILKINS.2023: S386

- **Pioglitazone Decreases Adipogenisis Leading to Melanoma Skin Tumor Suppression**
  Downer, M., Griffin, M., Morgan, A., Parker, J. B., Berry, C., Li, D. J., Liang, N., Kameni, L., Wan, D. C., Longaker, M. T.
  LIPPINCOTT WILLIAMS & WILKINS.2023: S387-S388

- **Ferropotosis Levels Decrease in Response to Deferoxamine Treatment in Irradiated Murine Skin**
  Berry, C., Kameni, L., Griffin, M., Downer, M., Parker, J. B., Guo, J. L., Liang, N., Januszyk, M., Longaker, M. T., Wan, D. C.
  LIPPINCOTT WILLIAMS & WILKINS.2023: S382

- **A Review of Radiation-Induced Vascular Injury and Clinical Impact.** *Annals of plastic surgery*
  Kameni, L. E., Januszyk, M., Berry, C. E., Downer, M. A., Parker, J. B., Morgan, A. G., Valencia, C., Griffin, M., Li, D. J., Liang, N. E., Momeni, A., Longaker, M. T., Wan, et al
  2023

- **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.
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- **Allele-specific expression reveals genetic drivers of tissue regeneration in mice.** *Cell stem cell*
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- **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.
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  DiIorio, S., Tevlin, R., Shah, H. N., Salhotra, A., Griffin, M., Januszyk, M., Wan, D. C., Longaker, M. T.
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- **Inhibition of Yes-Associated Protein Promotes Skin Wound Regeneration in Large Animals**
  Januszyk, M., Talbott, H. E., Griffin, M., Guardino, N., Spielman, A., Guo, J. L., Mascharak, S., Wan, D. C., Longaker, M. T.
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- **Denervation During Mouse and Human Mandibular Distraction Osteogenesis Results in Impaired Osteogenesis**
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  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.
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- **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.
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- **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.
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- **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.
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- **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.
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  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.
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- **The Impact of Reconstructive Modality on the Severity of Postoperative Complications in Breast Reconstruction**
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- **Analysis of Online Educational Materials Relating to Craniosynostosis**
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- **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.
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- **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.
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- **Dorsal Skin Fibrosis Secondary to Radiation Is Mitigated by Fat Grafting in Engrailed-1 Mice**
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- **Suprazygomatic Maxillary Nerve Blocking Reduces Postoperative Pain and Opioid Use Following Bimaxillary Osteotomy**
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- **Optimizing Cutometer Mpa 580 Calculated Parameters to Determine In-vivo Elasticity of Human Skin**
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- **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.
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- **Acellular Dermal Matrix Grafts Decrease Radiation-Induced Contracture and Dermal Thickening**
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- **Adipose-Derived Stromal Cell (ASC) Subpopulation with Adipogenic Capabilities Increase Fat Graft Quality in Irradiated Tissue**

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- **Acellular Dermal Matrix Modulation of the Peri-Prosthetic Breast Microenvironment During Breast Reconstruction**
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- **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.
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  Fahy, E. J., Griffin, M., Abbas, D., Lavin, C. V., King, M. E., Longaker, M. T., Wan, D. C.
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- **Denervation During Mandibular Distraction Osteogenesis Results in Impaired Osteogenesis**
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