Stanford

Michael Januszyk MD

Instructor, Surgery - Plastic & Reconstructive Surgery

Bio

ACADEMIC APPOINTMENTS

- Instructor, Surgery - Plastic & Reconstructive Surgery

Publications

PUBLICATIONS

- **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

- **Editorial for Special Issue on Artificial Intelligence in Tissue Engineering and Biology.** *Tissue engineering. Part A*
  Guo, J. L., Januszyk, M., Longaker, M. T.
  2024

- **HoloDIEP-Faster and More Accurate Intraoperative DIEA Perforator Mapping Using a Novel Mixed Reality Tool.** *Journal of reconstructive microsurgery*
  Necker, F. N., Cholok, D. J., Fischer, M. J., Shaheen, M. S., Gifford, K., Januszyk, M., Leuze, C. W., Scholz, M., Daniel, B. L., Momeni, A.
  2024

- **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)

- **Circulating Mechanoresponsive Myeloid Cells Contribute To Fibrosis Across Disease States And Organ Systems**
  Chen, K., Henn, D., Sivaraj, D., Fischer, K. S., Padmanabhan, J., Januszyk, M., Gurtner, G. C.
  WILEY.2024: 525-526

- **Single-cell transcriptional analysis of irradiated skin reveals changes in fibroblast subpopulations and variability in caveolin expression.** *Radiation oncology (London, England)*
  Kameni, L. E., Griffin, M., Berry, C. E., Shariatzadeh, S., Downer, M. A., Valencia, C., Fazilat, A. Z., Nazerali, R., Momeni, A., Januszyk, M., Longaker, M. T., Wan, D. C.
  2024; 19 (1): 82

- **Hematoxylin and Eosin Architecture Uncovers Clinically Divergent Niches in Pancreatic Cancer.** *Tissue engineering. Part A*
  Guo, J. L., Lopez, D. M., Mascharak, S., Foster, D. S., Khan, A., Davitt, M. F., Nguyen, A. T., Burcham, A. R., Chinta, M. S., Guardino, N. J., Griffin, M., Miller, E., Januszyk, et al
  2024

- **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

- **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

- **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

- **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

- **Optimized Nuclei Isolation from Fresh and Frozen Solid Tumor Specimens for Multiome Sequencing.** *Journal of visualized experiments : JoVE*
  Foster, D. S., Griffin, M., Januszyk, M., Delitto, D., Norton, J. A., Longaker, M. T.
  2023

- **Desmoplastic stromal signatures predict patient outcomes in pancreatic ductal adenocarcinoma.** *Cell reports. Medicine*
  Mascharak, S., Guo, J. L., Foster, D. S., Khan, A., Davitt, M. F., Nguyen, A. T., Burcham, A. R., Chinta, M. S., Guardino, N. J., Griffin, M., Lopez, D. M., Miller, E., Januszyk, et al
  2023: 101248

- **Allometrically scaling tissue forces drive pathological foreign-body responses to implants via Rac2-activated myeloid cells.** *Nature biomedical engineering*
  Padmanabhan, J., Chen, K., Sivaraj, D., Henn, D., Kuehlmann, B. A., Kussie, H. C., Zhao, E. T., Kahn, A., Bonham, C. A., Dohi, T., Beck, T. C., Trotsyuk, A. A., Stern-Buchbinder, et al
  2023

- **Cas9-mediated knockout of Ndrg2 enhances the regenerative potential of dendritic cells for wound healing.** *Nature communications*
  Henn, D., Zhao, D., Sivaraj, D., Trotsyuk, A., Bonham, C. A., Fischer, K. S., Kehl, T., Fehlmann, T., Greco, A. H., Kussie, H. C., Moortgat Illouz, S. E., Padmanabhan, J., Barrera, et al
  2023; 14 (1): 4729

- **Call for Special Issue Papers: Artificial Intelligence in Tissue Engineering and Biology.** *Tissue engineering. Part A*
  Guo, J. L., Januszyk, M., Longaker, M. T.
  2023

- **Call for Special Issue Papers: Artificial Intelligence in Tissue Engineering and Biology.** *Tissue engineering. Part B, Reviews*
  Guo, J. L., Januszyk, M., Longaker, M. T.
  2023

- **Call for Special Issue Papers: Artificial Intelligence in Tissue Engineering and Biology.** *Tissue engineering. Part C, Methods*
  Guo, J. L., Januszyk, M., Longaker, M. T.
  2023

- **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

- **Developing a Mouse Model to Evaluate Tibial Distraction Osteogenesis**
  DiIorio, S., Tevlin, R., Shah, H. N., Salhotra, A., Griffin, M., Januszyk, M., Wan, D. C., Longaker, M. T.
  LIPPINCOTT WILLIAMS & WILKINS.2023: S90

- **Spatial Fidelity of Microvascular Perforating Vessels as Perceived by Augmented Reality Virtual Projections.** *Plastic and reconstructive surgery*

Cholok, D. J., Fischer, M. J., Leuze, C. W., Januszyk, M., Daniel, B. L., Momeni, A.
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- **Nitric oxide-releasing gel accelerates healing in a diabetic murine splinted excisional wound model.** *Frontiers in medicine*
  Sivaraj, D., Noishiki, C., Kosaric, N., Kiwanuka, H., Kussie, H. C., Henn, D., Fischer, K. S., Trotsyuk, A. A., Greco, A. H., Kuehlmann, B. A., Quintero, F., Leeolou, M. C., Granoski, et al
  2023; 10: 1060758

- **Mechanoresponsive Pancreatic Ductal Adenocarcinoma Cancer Associated Fibroblasts Shows an FAK-Dependent Subtype Divergent from Canonical Fibrotic TGFB-Pathway Dependence**
  Foster, D., Delitto, D., Januszyk, M., Yost, K., Griffin, M., Guo, J., Guardino, N., Delitto, A., Chinta, M., Burcham, A., Nguyen, A., Bauer-, K., Berry, et al
  SPRINGER.2023: S30-S31

- **Denervation during mandibular distraction osteogenesis results in impaired bone formation.** *Scientific reports*
  Tevlin, R., Griffin, M., Chen, K., Januszyk, M., Guardino, N., Spielman, A., Walters, S., Gold, G. E., Chan, C. K., Gurtner, G. C., Wan, D. C., Longaker, M. T.
  2023; 13 (1): 2097

- **An Inexpensive 3D Printed Mouse Model of Successful, Complication-free Long Bone Distraction Osteogenesis.** *Plastic and reconstructive surgery. Global open*
  Tevlin, R., Shah, H. N., Salhotra, A., Di Iorio, S. E., Griffin, M., Januszyk, M., Wan, D. C., Longaker, M. T.
  2023; 11 (2): e4674

- **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

- **Macrophage inflammatory and regenerative response periodicity is programmed by cell cycle and chromatin state.** *Molecular cell*
  Daniel, B., Belk, J. A., Meier, S. L., Chen, A. Y., Sandor, K., Czimmerer, Z., Varga, Z., Bene, K., Buquicchio, F. A., Qi, Y., Kitano, H., Wheeler, J. R., Foster, et al
  2022

- **Wireless, closed-loop, smart bandage with integrated sensors and stimulators for advanced wound care and accelerated healing.** *Nature biotechnology*
  Jiang, Y., Trotsyuk, A. A., Niu, S., Henn, D., Chen, K., Shih, C. C., Larson, M. R., Mermin-Bunnell, A. M., Mittal, S., Lai, J. C., Saberi, A., Beard, E., Jing, et al
  2022

- **Engrailed-Positive Fibroblasts: The Primary Cell Type Present in Fibrotic Capsules During Foreign Body Response**
  Parker, J. B., Griffin, M., Mascharak, S., Spielman, A., Cotterell, A. C., Abbas, D., Lintel, H., Januszyk, M., Wan, D. C., Longaker, M. T.
  LIPPINCOTT WILLIAMS & WILKINS.2022: S68

- **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.
  LIPPINCOTT WILLIAMS & WILKINS.2022: S196

- **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

- **Multiomic analysis reveals conservation of cancer-associated fibroblast phenotypes across species and tissue of origin.** *Cancer cell*
  Foster, D. S., Januszyk, 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

- **The Majority of Venous Thromboembolism Events Should Occur in Lower Risk Aesthetic Surgery Patients: A Simulation Study.** *Plastic and reconstructive surgery. Global open*
  Pannucci, C. J., Momeni, A., Januszyk, M.
  2022; 10 (10): e4573

- **Machine Learning in Tissue Engineering.** *Tissue engineering. Part A*
  Guo, J. L., Januszyk, M., Longaker, M. T.
  2022

- **Partial Tendon Injury at the Tendon-to-Bone Enthesis Activates Skeletal Stem Cells.** *Stem cells translational medicine*
  Titan, A. L., Davitt, M., Foster, D., Salhotra, A., Menon, S., Chen, K., Fahy, E., Lopez, M., Jones, R. E., Baiu, I., Burcham, A., Januszyk, M., Gurtner, et al
  2022

- **Disrupting mechanotransduction decreases fibrosis and contracture in split-thickness skin grafting.** *Science translational medicine*
  Chen, K., Henn, D., Januszyk, M., Barrera, J. A., Noishiki, C., Bonham, C. A., Griffin, M., Tevlin, R., Carlomagno, T., Shannon, T., Fehlmann, T., Trotsyuk, A. A., Padmanabhan, et al
  2022; 14 (645): eabj9152

- **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

- **The Oral Mucosa Hosts Distinct Fibroblast Subpopulations to Facilitate Regenerative Wound Repair**
  Griffin, M., Cook, J., Bofelli, D., Guardino, N., Spielman, A. F., Januszyk, M., Chen, K., Abbas, D. B., Zwick, R., Klein, O., Longaker, M. T.
  WILEY.2022: A12-A13

- **Galvanotactic Smart Bandage for Chronic Wound Management and Tissue Regeneration**
  Trotsyuk, A. A., Jiang, Y., Niu, S., Henn, D., Chen, K., Larson, M., Beard, E., Saberi, A., Sivaraj, D., Mermin-Bunnell, A., Mittal, S., Jing, S., Kwon, et al
  WILEY.2022: A36

- **Allometric Tissue-Scale Forces Activate Mechanoresponsive Immune Cells To Drive Pathological Foreign Body Response To Biomedical Implants**
  Padmanabhan, J., Chen, K., Sivaraj, D., Kuehlmann, B., Bonham, C., Dohi, T., Henn, D., Stern-Buchbinder, Z., Than, P., Hosseini, H., Barrera, J., Kussie, H., Magbual, et al
  WILEY.2022: A19-A20

- **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

- **IQGAP1-mediated mechanical signaling promotes the foreign body response to biomedical implants.** *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*
  Sivaraj, D., Padmanabhan, J., Chen, K., Henn, D., Noishiki, C., Trotsyuk, A. A., Kussie, H. C., Leeolou, M. C., Magbual, N. J., Andrikopoulos, S., Perrault, D. P., Barrera, J. A., Januszyk, et al
  2022; 36 (2): e22007

- **Cancer-Associated Fibroblasts Share Highly Conserved Phenotypes and Functions Across Tumor Types and Species**
  Foster, D. S., Januszyk, M., Yost, K. E., Chinta, M., Titan, A. L., Wapnir, I. L., Gurtner, G. C., Chang, H. Y., Norton, J. A., Longaker, M. T.
  ELSEVIER SCIENCE INC.2021: S243-S244

- **Acellular Dermal Matrix Modulation of the Peri-Prosthetic Breast Microenvironment During Breast Reconstruction**
  Tevlin, R., Januszyk, M., Griffin, M., Shefren, K., Chan, C. K. F., Momeni, A., Wan, D. C., Longaker, M. T.
  ELSEVIER SCIENCE INC.2021: S195-S196

- **Fibroblast Sub-Populations Dynamically Change Composition to Heal Dorsal Skin Radiation Wounds in Wild-Type Mice**
  Abbas, D. B., Griffin, M., Fahy, E. J., Lavin, C., Lee, D., Mascharak, S., King, M., Januszyk, M., Longaker, M. T., Wan, D. C.
  ELSEVIER SCIENCE INC.2021: S207-S208

- **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

- **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)

- **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
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- **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

- **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

- **Mechanical Activation Of Inflammation At The Implant-tissue Interface Underlies Pathological Foreign Body Response**
  Padmanabhan, J., Chen, K., Bonham, C. A., Kuehlmann, B. A., Dohi, T., Henn, D., Stern-Buchbinder, Z. A., Than, P. A., Hosseini, H. S., Magbual, N. J., Borrelli, M., Sivaraj, D., Trotsyuk, et al
  WILEY.2021: A9

- **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

- **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

- **CRISPR/Cas9 Editing Of Autologous Dendritic Cells To Enhance Angiogenesis And Wound Healing**
  Henn, D., Zhao, D., Bonham, C. A., Chen, K., Greco, A. H., Padmanabhan, J., Sivaraj, D., Trotsyuk, A., Barrera, J. A., Januszyk, M., Qi, L., Gurtner, G. C.
  WILEY.2021: A31-A32

- **Disrupting Mechanotransduction Reduces Scar Formation And Restores Cellular Subpopulations In A Large Animal Model Of Skin Grafting**
  Chen, K., Henn, D., Bonham, C. A., Noishiki, C., Barrera, J. A., Carlomagno, T. C., Shannon, T., Mays, C. J., Trotsyuk, A. A., Padmanabhan, J., Longaker, M. T., Januszyk, M., Gurtner, et al
  WILEY.2021: A12-A13

- **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)

- **Adipose-derived stromal cells seeded in pullulan-collagen hydrogels improve healing in murine burns.** *Tissue engineering. Part A*
  Barrera, J., Trotsyuk, A., Maan, Z. N., Bonham, C. A., Larson, M. R., Mittermiller, P. A., Henn, D., Chen, K., Mays, C. J., Mittal, S., Mermin-Bunnell, A. M., Sivaraj, D., Jing, et al
  2021

- **Flap Neurotization in Breast Reconstruction with Nerve Allografts: 1-year Clinical Outcomes.** *Plastic and reconstructive surgery. Global open*
  Momeni, A., Meyer, S., Shefren, K., Januszyk, M.
  2021; 9 (1): e3328

- **Hydrogel Scaffolds to Deliver Cell Therapies for Wound Healing.** *Frontiers in bioengineering and biotechnology*
  Sivaraj, D., Chen, K., Chattopadhyay, A., Henn, D., Wu, W., Noishiki, C., Magbual, N. J., Mittal, S., Mermin-Bunnell, A. M., Bonham, C. A., Trotsyuk, A. A., Barrera, J. A., Padmanabhan, et al
  2021; 9: 660145

- **Disrupting biological sensors of force promotes tissue regeneration in large organisms.** *Nature communications*
  Chen, K., Kwon, S. H., Henn, D., Kuehlmann, B. A., Tevlin, R., Bonham, C. A., Griffin, M., Trotsyuk, A. A., Borrelli, M. R., Noishiki, C., Padmanabhan, J., Barrera, J. A., Maan, et al
  2021; 12 (1): 5256

- **Xenogeneic skin transplantation promotes angiogenesis and tissue regeneration through activated Trem2+ macrophages.** *Science advances*
  Henn, D., Chen, K., Fehlmann, T., Trotsyuk, A. A., Sivaraj, D., Maan, Z. N., Bonham, C. A., Barrera, J. A., Mays, C. J., Greco, A. H., Moortgat Illouz, S. E., Lin, J. Q., Steele, et al
  2021; 7 (49): eabi4528

- **Epidermal-Derived Hedgehog Signaling Drives Mesenchymal Proliferation during Digit Tip Regeneration.** *Journal of clinical medicine*
  Maan, Z. N., Rinkevich, Y., Barrera, J., Chen, K., Henn, D., Foster, D., Bonham, C. A., Padmanabhan, J., Sivaraj, D., Duscher, D., Hu, M., Yan, K., Januszyk, et al
  2021; 10 (18)

- **Discussion: Overcoming the Patent Gap: A Guide to Patenting for Plastic Surgeons.** *Plastic and reconstructive surgery*
  Januszyk, M., desJardins-Park, H. E., Gurtner, G. C., Longaker, M. T.
  2021; 148 (4): 918-919

- **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., Litzenburger, U. M., Walmsley, G. G., Marshall, C. D., Moore, A. L., Duoto, et al
  2020; 33 (6): 108356

- **Ectoderm-Derived Wnt and Hedgehog Signaling Drive Digit Tip Regeneration**
  Barrera, J., Maan, Z. N., Foster, D., Henn, D., Chen, K., Bonham, C., Januszyk, M., Longaker, M. T., Weissman, I., Gurtner, G. C.
  ELSEVIER SCIENCE INC.2020: S186

- **Wounds Heal by Tissue-Resident Fibroblast Progenitors that Proliferate Polyclonally and Mechanoresponsively**
  Foster, D. S., Chinta, M., Salhotra, A., Nguyen, A. T., Burcham, A., Mascharak, S., Januszyk, M., Gurtner, G. C., Wernig, G., Longaker, M. T.
  ELSEVIER SCIENCE INC.2020: S236–S237

- **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

- **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)

- **An artificial intelligence based meta-analysis of publicly available single cell RNA-seq datasets for hematopoietic and lymphoid malignancies identifies repurposable cancer drug targets**
  Jiang, B., Januszyk, M.
  AMER ASSOC CANCER RESEARCH.2020

- **Prophylactic treatment with transdermal deferoxamine mitigates radiation-induced skin fibrosis.** *Scientific reports*
  Shen, A. H., Borrelli, M. R., Adem, S., Deleon, N. M., Patel, R. A., Mascharak, S., Yen, S. J., Sun, B. Y., Taylor, W. L., Januszyk, M., Nguyen, D. H., Momeni, A., Gurtner, et al
  2020; 10 (1): 12346

- **Inhibiting mechanotransduction signaling changes fibroblast heterogeneity and promotes tissue regeneration in healing wounds**

Chen, K., Kwon, S., Henn, D., Kuehlmann, B. A., Bonham, C. A., Padmanabhan, J., Noishiki, C., Barrera, J., Longaker, M. T., Januszyk, M., Gurtner, G. C.
WILEY.2020: S12–S13

- **Radiation-induced skin fibrosis is reversed by transdermal delivery of deferoxamine**
  Borrelli, M. R., Adem, S., Diaz, N., Mascharak, S., Sen, A., Januszyk, M., Nguyen, D., Momeni, A., Gurtner, G. C., Longaker, M. T., Wan, D. C.
  WILEY.2020: S51–S52

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