

Stanford

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Instructor, Surgery - Plastic & Reconstructive Surgery

Bio

ACADEMIC APPOINTMENTS

- Instructor, Surgery - Plastic & Reconstructive Surgery

Publications

PUBLICATIONS

- **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 Ndr2 enhances the regenerative potential of dendritic cells for wound healing.** *Nature communications*
Henn, D., Zhao, D., Sivaraj, D., Trotsyuk, A., Bonham, C. A., Fischer, K. S., Kehl, T., Fehlmann, T., Greco, A. H., Kussie, H. C., Moortgat Illouz, S. E., Padmanabhan, J., Barrera, et al
2023; 14 (1): 4729
- **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.
2023
- **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 TGF β -Pathway Dependence**
Foster, D., Delitto, D., Januszyk, M., Yost, K., Griffin, M., Guo, J., Guardino, N., Delitto, A., Chinta, M., Burcham, A., Nguyen, A., Bauer-, K., Berry, et al
SPRINGER.2023: S30-S31
 - **Denervation during mandibular distraction osteogenesis results in impaired bone formation.** *Scientific reports*
Tevlin, R., Griffin, M., Chen, K., Januszyk, M., Guardino, N., Spielman, A., Walters, S., Gold, G. E., Chan, C. K., Gurtner, G. C., Wan, D. C., Longaker, M. T.
2023; 13 (1): 2097
 - **An Inexpensive 3D Printed Mouse Model of Successful, Complication-free Long Bone Distraction Osteogenesis.** *Plastic and reconstructive surgery. Global open*
Tevlin, R., Shah, H. N., Salhotra, A., Di Iorio, S. E., Griffin, M., Januszyk, M., Wan, D. C., Longaker, M. T.
2023; 11 (2): e4674
 - **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
 - **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., 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
 - **Multomic 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. 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. 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

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
- **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., Litzenger, 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
- **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
- **Flexible smart bandage for wireless wound healing**
Trotsyuk, A. A., Jiang, Y., Niu, S., Larson, M., Beard, E., Saberi, A., Henn, D., Kwon, S., Bonham, C., Chen, K., Januszyk, M., Maan, Z., Barrera, et al
WILEY.2020: S24

- **Digit tip regeneration relies on germ layer restricted Wnt and Hedgehog signaling**
Barrera, J., Maan, Z., Rinkevich, Y., Henn, D., Chen, K., Bonham, C. A., Padmanabhan, J., Januszyk, M., Weissman, I. L., Gurtner, G. C.
WILEY.2020: S5
- **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
- **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: S13–S14
- **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
- **Elucidating the fundamental fibrotic processes driving abdominal adhesion formation.** *Nature communications*
Foster, D. S., Marshall, C. D., Gulati, G. S., Chinta, M. S., Nguyen, A. n., Salhotra, A. n., Jones, R. E., Burcham, A. n., Lerbs, T. n., Cui, L. n., King, M. E., Titan, A. L., Ransom, et al
2020; 11 (1): 4061
- **Digit Tip Regeneration Relies on Germ Layer Restricted Wnt and Hedgehog Signaling**
Maan, Z. N., Januszyk, M., Rinkevich, Y., Weissman, I., Gurtner, G.
ELSEVIER SCIENCE INC.2019: S220–S221
- **Small molecule inhibition of dipeptidyl peptidase-4 enhances bone marrow progenitor cell function and angiogenesis in diabetic wounds** *TRANSLATIONAL RESEARCH*
Whittam, A. J., Maan, Z. N., Duscher, D., Barrera, J. A., Hu, M. S., Fischer, L. H., Khong, S., Kwon, S., Wong, V. W., Walmsley, G. G., Giacco, F., Januszyk, M., Brownlee, et al
2019; 205: 51–63
- **Small molecule inhibition of dipeptidyl peptidase-4 enhances bone marrow progenitor cell function and angiogenesis in diabetic wounds.** *Translational research : the journal of laboratory and clinical medicine*
Whittam, A. J., Maan, Z. N., Duscher, D., Barrera, J. A., Hu, M. S., Fischer, L. H., Khong, S., Kwon, S. H., Wong, V. W., Walmsley, G. G., Giacco, F., Januszyk, M., Brownlee, et al
2018
- **Pathway Analysis of Gene Expression in Murine Fetal and Adult Wounds.** *Advances in wound care*
Hu, M. S., Hong, W. X., Januszyk, M., Walmsley, G. G., Luan, A., Maan, Z. N., Moshrefi, S., Tevlin, R., Wan, D. C., Gurtner, G. C., Longaker, M. T., Lorenz, H. P.
2018; 7 (8): 262-275
- **Pathway Analysis of Gene Expression in Murine Fetal and Adult Wounds** *ADVANCES IN WOUND CARE*
Hu, M. S., Hong, W., Januszyk, M., Walmsley, G. G., Luan, A., Maan, Z. N., Moshrefi, S., Tevlin, R., Wan, D. C., Gurtner, G. C., Longaker, M. T., Lorenz, H.
2018
- **Pathway Analysis of Gene Expression of E14 Versus E18 Fetal Fibroblasts** *ADVANCES IN WOUND CARE*
Hu, M. S., Borrelli, M. R., Januszyk, M., Luan, A., Malhotra, S., Walmsley, G. G., Hong, W., Tevlin, R., Gurtner, G. C., Longaker, M. T., Lorenz, H. P.
2018; 7 (1): 1–10
- **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
- **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
- **Comparison of the Hydroxylase Inhibitor Dimethyloxalylglycine and the Iron Chelator Deferoxamine in Diabetic and Aged Wound Healing.** *Plastic and reconstructive surgery*

- Duscher, D., Januszyk, M., Maan, Z. N., Whittam, A. J., Hu, M. S., Walmsley, G. G., Dong, Y., Khong, S. M., Longaker, M. T., Gurtner, G. C.
2017; 139 (3): 695e-706e
- **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)
 - **The Role of Focal Adhesion Kinase in Keratinocyte Fibrogenic Gene Expression.** *International journal of molecular sciences*
Januszyk, M. n., Kwon, S. H., Wong, V. W., Padmanabhan, J. n., Maan, Z. N., Whittam, A. J., Major, M. R., Gurtner, G. C.
2017; 18 (9)
 - **Delivery of monocyte lineage cells in a biomimetic scaffold enhances tissue repair.** *JCI insight*
Hu, M. S., Walmsley, G. G., Barnes, L. A., Weiskopf, K. n., Rennert, R. C., Duscher, D. n., Januszyk, M. n., Maan, Z. N., Hong, W. X., Cheung, A. T., Leavitt, T. n., Marshall, C. D., Ransom, et al
2017; 2 (19)
 - **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
 - **Microfluidic single-cell transcriptional analysis rationally identifies novel surface marker profiles to enhance cell-based therapies** *NATURE COMMUNICATIONS*
Rennert, R. C., Januszyk, M., Sorkin, M., Rodrigues, M., Maan, Z. N., Duscher, D., Whittam, A. J., Kosaraju, R., Chung, M. T., Paik, K., Li, A. Y., Findlay, M., Glotzbach, et al
2016; 7
 - **Concomitant Liposuction Reduces Complications of Vertical Medial Thigh Lift in Massive Weight Loss Patients** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Schmidt, M., Pollhammer, M. S., Januszyk, M., Duscher, D., Huemer, G. M.
2016; 137 (6): 1748-57
 - **Multiple Subsets of Brain Tumor Initiating Cells Coexist in Glioblastoma** *STEM CELLS*
Rennert, R. C., Achrol, A. S., Januszyk, M., Kahn, S. A., Liu, T. T., Liu, Y., Sahoo, D., Rodrigues, M., Maan, Z. N., Wong, V. W., Cheshier, S. H., Chang, S. D., Steinberg, et al
2016; 34 (6): 1702-1707
 - **Microsurgical ear replantation is venous repair necessary? A systematic review** *MICROSURGERY*
Momeni, A., Liu, X., Januszyk, M., Wan, D. C., Buncke, G. M., Buntic, R. F., Parrett, B. M.
2016; 36 (4): 345-350
 - **High-Resolution Microfluidic Single-Cell Transcriptional Profiling Reveals Clinically Relevant Subtypes among Human Stem Cell Populations Commonly Utilized in Cell-Based Therapies** *FRONTIERS IN NEUROLOGY*
Rennert, R. C., Schaefer, R., Bliss, T., Januszyk, M., Sorkin, M., Achrol, A. S., Rodrigues, M., Maan, Z. N., Kluba, T., Steinberg, G. K., Gurtner, G. C.
2016; 7
 - **Extracellular superoxide dismutase deficiency impairs wound healing in advanced age by reducing neovascularization and fibroblast function** *EXPERIMENTAL DERMATOLOGY*
Fujiwara, T., Duscher, D., Rustad, K. C., Kosaraju, R., Rodrigues, M., Whittam, A. J., Januszyk, M., Maan, Z. N., Gurtner, G. C.
2016; 25 (3): 206-211
 - **Extracellular superoxide dismutase deficiency impairs wound healing in advanced age by reducing neovascularization and fibroblast function.** *Experimental dermatology*
Fujiwara, T., Duscher, D., Rustad, K. C., Kosaraju, R., Rodrigues, M., Whittam, A. J., Januszyk, M., Maan, Z. N., Gurtner, G. C.
2016; 25 (3): 206-211
 - **Adipose-Derived Stem Cell-Seeded Hydrogels Increase Endogenous Progenitor Cell Recruitment and Neovascularization in Wounds** *TISSUE ENGINEERING PART A*

- Kosaraju, R., Rennert, R. C., Maan, Z. N., Duscher, D., Barrera, J., Whittam, A. J., Januszyk, M., Rajadas, J., Rodrigues, M., Gurtner, G. C.
2016; 22 (3-4): 295-305
- **Challenges and Opportunities in Drug Delivery for Wound Healing.** *Advances in wound care*
Whittam, A. J., Maan, Z. N., Duscher, D., Wong, V. W., Barrera, J. A., Januszyk, M., Gurtner, G. C.
2016; 5 (2): 79-88
 - **Rapid identification of slow healing wounds.** *Wound repair and regeneration*
Jung, K., Covington, S., Sen, C. K., Januszyk, M., Kirsner, R. S., Gurtner, G. C., Shah, N. H.
2016; 24 (1): 181-188
 - **Rapid identification of slow healing wounds** *WOUND REPAIR AND REGENERATION*
Jung, K., Covington, S., Sen, C. K., Januszyk, M., Kirsner, R. S., Gurtner, G. C., Shah, N. H.
2016; 24 (1): 181-188
 - **High-Resolution Microfluidic Single-Cell Transcriptional Profiling Reveals Clinically Relevant Subtypes among Human Stem Cell Populations Commonly Utilized in Cell-Based Therapies.** *Frontiers in neurology*
Rennert, R. C., Schäfer, R., Bliss, T., Januszyk, M., Sorkin, M., Achrol, A. S., Rodrigues, M., Maan, Z. N., Kluba, T., Steinberg, G. K., Gurtner, G. C.
2016; 7: 41-?
 - **Stem Cells in Wound Healing: The Future of Regenerative Medicine? A Mini-Review.** *Gerontology*
Duscher, D., Barrera, J., Wong, V. W., Maan, Z. N., Whittam, A. J., Januszyk, M., Gurtner, G. C.
2016; 62 (2): 216-225
 - **Fibroblast-Specific Deletion of Hypoxia Inducible Factor-1 Critically Impairs Murine Cutaneous Neovascularization and Wound Healing** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Duscher, D., Maan, Z. N., Whittam, A. J., Sorkin, M., Hu, M. S., Walmsley, G. G., Baker, H., Fischer, L. H., Januszyk, M., Wong, V. W., Gurtner, G. C.
2015; 136 (5): 1004-1013
 - **Impairment in Fracture Healing in a Mouse Model of Type 2 Diabetes Is Driven by Skeletal Stem Cell Niche Dysregulation**
Tevlin, R., Seo, E., Mc Ardle, A., Tong, X., Januszyk, M., Yang, F., Gurtner, G. C., Chan, C. F., Weissman, I. L., Longaker, M. T.
ELSEVIER SCIENCE INC.2015: S115
 - **Delivery of Macrophages in a Biomimetic Scaffold Accelerates Diabetic Wound Healing Through Enhanced Angiogenesis**
Walmsley, G. G., Hu, M. S., Duscher, D., Januszyk, M., Maan, Z. N., Senarath-Yapa, K., Tevlin, R., Zielins, E. R., Gurtner, G. C., Longaker, M. T.
ELSEVIER SCIENCE INC.2015: S113-S114
 - **Microfluidic single cell transcriptional analysis reveals subpopulations of adipose derived stromal cells with enhanced angiogenic potential**
Zielins, E. R., Januszyk, M., Luan, A., Brett, E. A., Paik, K., Walmsley, G. G., Gurtner, G. C., Longaker, M. T., Wan, D. C.
ELSEVIER SCIENCE INC.2015: E26
 - **Melanoma Progression Depends on CXCL12 Expression by Host Endothelium**
Maan, Z. N., Hu, M. S., Whittam, A., Fischer, L. H., Duscher, D., Walmsley, G. G., Januszyk, M., Whitmore, A. J., Longaker, M. T., Gurtner, G. C.
ELSEVIER SCIENCE INC.2015: S116
 - **Using the wisdom of the crowds to find critical errors in biomedical ontologies: a study of SNOMED CT.** *Journal of the American Medical Informatics Association*
Mortensen, J. M., Minty, E. P., Januszyk, M., Sweeney, T. E., Rector, A. L., Noy, N. F., Musen, M. A.
2015; 22 (3): 640-648
 - **Skin fibrosis. Identification and isolation of a dermal lineage with intrinsic fibrogenic potential.** *Science*
Rinkevich, Y., Walmsley, G. G., Hu, M. S., Maan, Z. N., Newman, A. M., Drukker, M., Januszyk, M., Krampitz, G. W., Gurtner, G. C., Lorenz, H. P., Weissman, I. L., Longaker, M. T.
2015; 348 (6232)
 - **Identification and isolation of a dermal lineage with intrinsic fibrogenic potential** *SCIENCE*
Rinkevich, Y., Walmsley, G. G., Hu, M. S., Maan, Z. N., Newman, A. M., Drukker, M., Januszyk, M., Krampitz, G. W., Gurtner, G. C., Lorenz, H. P., Weissman, I. L., Longaker, M. T.
2015; 348 (6232): 302-?

- **Studies in Fat Grafting: Part IV. Adipose-Derived Stromal Cell Gene Expression in Cell-Assisted Lipotransfer** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Garza, R. M., Rennert, R. C., Paik, K. J., Atashroo, D., Chung, M. T., Duscher, D., Januszyk, M., Gurtner, G. C., Longaker, M. T., Wan, D. C.
2015; 135 (4): 1045-1055
- **Cell recruitment by amnion chorion grafts promotes neovascularization** *JOURNAL OF SURGICAL RESEARCH*
Maan, Z. N., Rennert, R. C., Koob, T. J., Januszyk, M., Li, W. W., Gurtner, G. C.
2015; 193 (2): 953-962
- **Exercise induces stromal cell-derived factor-1a-mediated release of endothelial progenitor cells with increased vasculogenic function.** *Plastic and reconstructive surgery*
Chang, E., Paterno, J., Duscher, D., Maan, Z. N., Chen, J. S., Januszyk, M., Rodrigues, M., Rennert, R. C., Bishop, S., Whitmore, A. J., Whittam, A. J., Longaker, M. T., Gurtner, et al
2015; 135 (2): 340e-50e
- **Transdermal deferoxamine prevents pressure-induced diabetic ulcers.** *Proceedings of the National Academy of Sciences of the United States of America*
Duscher, D., Neofytou, E., Wong, V. W., Maan, Z. N., Rennert, R. C., Inayathullah, M., Januszyk, M., Rodrigues, M., Malkovskiy, A. V., Whitmore, A. J., Walmsley, G. G., Galvez, M. G., Whittam, et al
2015; 112 (1): 94-99
- **Evaluating the Effect of Cell Culture on Gene Expression in Primary Tissue Samples Using Microfluidic-Based Single Cell Transcriptional Analysis.** *Microarrays (Basel, Switzerland)*
Januszyk, M., Rennert, R. C., Sorkin, M., Maan, Z. N., Wong, L. K., Whittam, A. J., Whitmore, A., Duscher, D., Gurtner, G. C.
2015; 4 (4): 540-550
- **Reduced Regenerative Capacity of Aged Adipose Derived Stem Cells is Caused by Alterations of Cell Subpopulation Dynamics**
Duscher, D., Rennert, R. C., Januszyk, M., Maan, Z. N., Whittam, A. J., Hu, M. S., Walmsley, G. G., Atashroo, D., Longaker, M. T., Gurtner, G. C.
ELSEVIER SCIENCE INC.2014: S136
- **Understanding regulatory pathways of neovascularization in diabetes.** *Expert review of endocrinology & metabolism*
Maan, Z. N., Rodrigues, M., Rennert, R. C., Whitmore, A., Duscher, D., Januszyk, M., Hu, M., Whittam, A. J., Davis, C. R., Gurtner, G. C.
2014; 9 (5): 487-501
- **Noncontact, low-frequency ultrasound therapy enhances neovascularization and wound healing in diabetic mice.** *Plastic and reconstructive surgery*
Maan, Z. N., Januszyk, M., Rennert, R. C., Duscher, D., Rodrigues, M., Fujiwara, T., Ho, N., Whitmore, A., Hu, M. S., Longaker, M. T., Gurtner, G. C.
2014; 134 (3): 402e-11e
- **A Randomized Controlled Trial of the embrace Advanced Scar Therapy Device to Reduce Incisional Scar Formation.** *Plastic and reconstructive surgery*
Longaker, M. T., Rohrich, R. J., Greenberg, L., Furnas, H., Wald, R., Bansal, V., Seify, H., Tran, A., Weston, J., Korman, J. M., Chan, R., Kaufman, D., Dev, et al
2014; 134 (3): 536-546
- **Diabetes irreversibly depletes bone marrow-derived mesenchymal progenitor cell subpopulations.** *Diabetes*
Januszyk, M., Sorkin, M., Glotzbach, J. P., Vial, I. N., Maan, Z. N., Rennert, R. C., Duscher, D., Thangarajah, H., Longaker, M. T., Butte, A. J., Gurtner, G. C.
2014; 63 (9): 3047-3056
- **Clonal analysis reveals nerve-dependent and independent roles on mammalian hind limb tissue maintenance and regeneration** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Rinkevich, Y., Montoro, D. T., Muhonen, E., Walmsley, G. G., Lo, D., Hasegawa, M., Januszyk, M., Connolly, A. J., Weissman, I. L., Longaker, M. T.
2014; 111 (27): 9846-9851
- **Clonal analysis reveals nerve-dependent and independent roles on mammalian hind limb tissue maintenance and regeneration.** *Proceedings of the National Academy of Sciences of the United States of America*
Rinkevich, Y., Montoro, D. T., Muhonen, E., Walmsley, G. G., Lo, D., Hasegawa, M., Januszyk, M., Connolly, A. J., Weissman, I. L., Longaker, M. T.
2014; 111 (27): 9846-9851
- **Gene expression in fetal murine keratinocytes and fibroblasts** *JOURNAL OF SURGICAL RESEARCH*
Hu, M. S., Januszyk, M., Hong, W. X., Walmsley, G. G., Zielins, E. R., Atashroo, D. A., Maan, Z. N., McArdle, A., Takanishi, D. M., Gurtner, G. C., Longaker, M. T., Lorenz, H. P.
2014; 190 (1): 344-357
- **Mechanotransduction and fibrosis** *JOURNAL OF BIOMECHANICS*

- Duscher, D., Maan, Z. N., Wong, V. W., Rennert, R. C., Januszyk, M., Rodrigues, M., Hu, M., Whitmore, A. J., Whittam, A. J., Longaker, M. T., Gurtner, G. C. 2014; 47 (9): 1997-2005
- **Transcriptional profiling of rapamycin-treated fibroblasts from hypertrophic and keloid scars.** *Annals of plastic surgery*
Wong, V. W., You, F., Januszyk, M., Gurtner, G. C., Kuang, A. A.
2014; 72 (6): 711-719
 - **In Vivo clonal analysis reveals lineage-restricted progenitor characteristics in Mammalian kidney development, maintenance, and regeneration.** *Cell reports*
Rinkevich, Y., Montoro, D. T., Contreras-Trujillo, H., Harari-Steinberg, O., Newman, A. M., Tsai, J. M., Lim, X., Van-Amerongen, R., Bowman, A., Januszyk, M., Plenicéanu, O., Nusse, R., Longaker, et al
2014; 7 (4): 1270-1283
 - **Tracking the elusive fibrocyte: identification and characterization of collagen-producing hematopoietic lineage cells during murine wound healing.** *Stem cells*
Suga, H., Rennert, R. C., Rodrigues, M., Sorkin, M., Glotzbach, J. P., Januszyk, M., Fujiwara, T., Longaker, M. T., Gurtner, G. C.
2014; 32 (5): 1347-1360
 - **Mechanical offloading of incisional wounds is associated with transcriptional downregulation of inflammatory pathways in a large animal model** *ORGANOGENESIS*
Januszyk, M., Wong, V. W., Bhatt, K. A., Vial, I. N., Paterno, J., Longaker, M. T., Gurtner, G. C.
2014; 10 (2): 186-193
 - **Mechanotransduction and fibrosis.** *Journal of biomechanics*
Duscher, D., Maan, Z. N., Wong, V. W., Rennert, R. C., Januszyk, M., Rodrigues, M., Hu, M., Whitmore, A. J., Whittam, A. J., Longaker, M. T., Gurtner, G. C.
2014
 - **Abstract 15: Characterization of the Endothelial Progenitor Cell from Adult Tissue using Vav/Cre RFP-GFP Murine Model and Single Cell Microfluidics.** *Plastic and reconstructive surgery*
Rodrigues, M., Rennert, R. C., Bishop, S., Januszyk, M., Maan, Z., Sorkin, M., Duscher, D., Gurtner, G. C.
2014; 133 (3): 25-?
 - **Abstract 10: Global and Endothelial Cell Specific Deletion of SDF-1 Results in Delayed Wound Healing.** *Plastic and reconstructive surgery*
Maan, Z. N., Ho, N., Rennert, R. C., Duscher, D., Sorkin, M., Rodrigues, M., Chen, J., Vial, I. N., Januszyk, M., Findlay, M., Hu, M., Walmsley, G., Longaker, et al
2014; 133 (3): 20-?
 - **Abstract 8: SDF-1 Regulates Adipose Niche Homeostasis and Adipose Derived Stromal Cell Function.** *Plastic and reconstructive surgery*
Maan, Z. N., Rennert, R. C., Duscher, D., Januszyk, M., Paik, K., Chung, M. T., Paik, K., Fujiwara, T., Rodrigues, M., Ho, N., Baker, H., Perez, M., Hu, et al
2014; 133 (3): 15-16
 - **Abstract 33: Stress Offloading through Mechanomodulation is Associated with Down-Regulation of Inflammatory Pathways in a Large Animal Model.** *Plastic and reconstructive surgery*
Januszyk, M., Wong, V. W., Bhatt, K., Vial, I. N., Dauskardt, R., Longaker, M. T., Gurtner, G. C.
2014; 133 (3): 44-?
 - **Gene expression in fetal murine keratinocytes and fibroblasts.** *The Journal of surgical research*
Hu, M. S., Januszyk, M., Hong, W. X., Walmsley, G. G., Zielins, E. R., Atashroo, D. A., Maan, Z. N., McArdle, A., Takamishi, D. M., Gurtner, G. C., Longaker, M. T., Lorenz, H. P.
2014
 - **Reduced BMP2 expression induces GM-CSF translation and macrophage recruitment in humans and mice to exacerbate pulmonary hypertension.** *journal of experimental medicine*
Sawada, H., Saito, T., Nickel, N. P., Alastalo, T., Glotzbach, J. P., Chan, R., Haghghat, L., Fuchs, G., Januszyk, M., Cao, A., Lai, Y., Perez, V. d., Kim, et al
2014; 211 (2): 263-280
 - **The embrace Device Significantly Decreases Scarring following Scar Revision Surgery in a Randomized Controlled Trial.** *Plastic and reconstructive surgery*
Lim, A. F., Weintraub, J., Kaplan, E. N., Januszyk, M., Cowley, C., McLaughlin, P., Beasley, B., Gurtner, G. C., Longaker, M. T.
2014; 133 (2): 398-405
 - **Aging disrupts cell subpopulation dynamics and diminishes the function of mesenchymal stem cells.** *Scientific reports*

- Duscher, D., Rennert, R. C., Januszyk, M., Anghel, E., Maan, Z. N., Whittam, A. J., Perez, M. G., Kosaraju, R., Hu, M. S., Walmsley, G. G., Atashroo, D., Khong, S., Butte, et al
2014; 4: 7144-?
- **Understanding regulatory pathways of neovascularization in diabetes** *EXPERT REVIEW OF ENDOCRINOLOGY & METABOLISM*
Maan, Z. N., Rodrigues, M., Rennert, R. C., Whitmore, A., Duscher, D., Januszyk, M., Hu, M., Whittam, A. J., Davis, C. R., Gurtner, G. C.
2014; 9 (5): 487–501
 - **High-Throughput Single-Cell Analysis for Wound Healing Applications.** *Advances in wound care*
Januszyk, M., Gurtner, G. C.
2013; 2 (9): 457-469
 - **Cell surface marker profiling of human adipose derived stem cells using single cell transcriptional analysis identifies heterogeneous subpopulations**
Sorkin, M., Rennert, R. C., Januszyk, M., Glotzbach, J. P., Chung, M. T., Longaker, M. T., Gurtner, G. C.
ELSEVIER SCIENCE INC.2013: S96–S97
 - **Molecular analysis and differentiation capacity of adipose-derived stem cells from lymphedema tissue.** *Plastic and reconstructive surgery*
Levi, B., Glotzbach, J. P., Sorkin, M., Hyun, J., Januszyk, M., Wan, D. C., Li, S., Nelson, E. R., Longaker, M. T., Gurtner, G. C.
2013; 132 (3): 580-589
 - **Tacrolimus fails to regulate collagen expression in dermal fibroblasts.** *journal of surgical research*
Wong, V. W., You, F., Januszyk, M., Kuang, A. A.
2013; 184 (1): 678-690
 - **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
 - **Cellular response to a novel fetal acellular collagen matrix: implications for tissue regeneration.** *International journal of biomaterials*
Rennert, R. C., Sorkin, M., Garg, R. K., Januszyk, M., Gurtner, G. C.
2013; 2013: 527957-?
 - **Single cell analysis reveals phenotypically distinct sub-populations in putative endothelial progenitor cells** *Surgical Forum at the 98th Annual Clinical Congress of the American-College-of-Surgeons / 67th Annual Sessions of the Owen H Wangenstein Forum on Fundamental Surgical Problems*
Chen, J., Januszyk, M., Sorkin, M., Gurtner, G. C.
ELSEVIER SCIENCE INC.2012: S93–S93
 - **Focal adhesion kinase links mechanical force to skin fibrosis via inflammatory signaling.** *Nature medicine*
Wong, V. W., Rustad, K. C., Akaishi, S., Sorkin, M., Glotzbach, J. P., Januszyk, M., Nelson, E. R., Levi, K., Paterno, J., Vial, I. N., Kuang, A. A., Longaker, M. T., Gurtner, et al
2012; 18 (1): 148-152
 - **Focal adhesion kinase links mechanical force to skin fibrosis via inflammatory signaling** *NATURE MEDICINE*
Wong, V. W., Rustad, K. C., Akaishi, S., Sorkin, M., Glotzbach, J. P., Januszyk, M., Nelson, E. R., Levi, K., Paterno, J., Vial, I. N., Kuang, A. A., Longaker, M. T., Gurtner, et al
2012; 18 (1): 148-152
 - **Mechanical force prolongs acute inflammation via T-cell-dependent pathways during scar formation** *FASEB JOURNAL*
Wong, V. W., Paterno, J., Sorkin, M., Glotzbach, J. P., Levi, K., Januszyk, M., Rustad, K. C., Longaker, M. T., Gurtner, G. C.
2011; 25 (12): 4498-4510
 - **Reduced BMP2 Increases GM-CSF mRNA Translation by Inhibiting eIF2 alpha Mediated Stress Granule Formation and Propensity to Pulmonary Vascular Disease** *Scientific Sessions of the American-Heart-Association/Resuscitation Science Symposium*
Sawada, H., Alastalo, T., Glotzbach, J. P., Chan, R., Fuchs, G., Januszyk, M., Lai, Y., Perez, V. D., Saito, T., Spiekerkoetter, E., Wang, L., Gurtner, G. C., Sarnow, et al
LIPPINCOTT WILLIAMS & WILKINS.2011
 - **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

- **An Information Theoretic, Microfluidic-Based Single Cell Analysis Permits Identification of Subpopulations among Putatively Homogeneous Stem Cells** *PLOS ONE*
Glotzbach, J. P., Januszyk, M., Vial, I. N., Wong, V. W., Gelbard, A., Kalisky, T., Thangarajah, H., Longaker, M. T., Quake, S. R., Chu, G., Gurtner, G. C.
2011; 6 (6)
- **Engineered Pullulan-Collagen Composite Dermal Hydrogels Improve Early Cutaneous Wound Healing** *TISSUE ENGINEERING PART A*
Wong, V. W., Rustad, K. C., Galvez, M. G., Neofytou, E., Glotzbach, J. P., Januszyk, M., Major, M. R., Sorkin, M., Longaker, M. T., Rajadas, J., Gurtner, G. C.
2011; 17 (5-6): 631-644
- **Statistics in Medicine** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Januszyk, M., Gurtner, G. C.
2011; 127 (1): 437-444
- **Anatomical and Technical Tips for Use of the Superficial Inferior Epigastric Artery (SIEA) Flap in Breast Reconstructive Surgery** *JOURNAL OF RECONSTRUCTIVE MICROSURGERY*
Dorafshar, A. H., Januszyk, M., Song, D. H.
2010; 26 (6): 381-389
- **HIF-1 alpha dysfunction in diabetes** *CELL CYCLE*
Thangarajah, H., Vial, I. N., Grogan, R. H., Yao, D., Shi, Y., Januszyk, M., Galiano, R. D., Chang, E. I., Galvez, M. G., Glotzbach, J. P., Wong, V. W., Brownlee, M., Gurtner, et al
2010; 9 (1): 75-79
- **The molecular basis for impaired hypoxia-induced VEGF expression in diabetic tissues** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Thangarajah, H., Yao, D., Chang, E. I., Shi, Y., Jazayeri, L., Vial, I. N., Galiano, R. D., Du, X., Grogan, R., Galvez, M. G., Januszyk, M., Brownlee, M., Gurtner, et al
2009; 106 (32): 13505-13510
- **IFATS Collection: Adipose Stromal Cells Adopt a Proangiogenic Phenotype Under the Influence of Hypoxia** *STEM CELLS*
Thangarajah, H., Vial, I. N., Chang, E., El-Ftesi, S., Januszyk, M., Chang, E. I., Paterno, J., Neofytou, E., Longaker, M. T., Gurtner, G. C.
2009; 27 (1): 266-274