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Publications

PUBLICATIONS

- **Metabolic Effects on Wound Healing.** *Advances in wound care*
Yao, H., Griffin, M. F., Jing, S. L., Kawamoto-Duran, D. S., Tarter, J. G., Liang, N. E., Longaker, M. T., Wan, D. C.
2026: 21621918261438987
- **A national database study of adjuvant steroids following Kasai portoenterostomy for biliary atresia.** *Pediatric surgery international*
Liang, N. E., Thobani, H., Moturu, A., Suh, E., Islam, S., Fell, G. L., Hyun, J. S., Sylvester, K. G., Chao, S. D., Dunn, J. C., Khan, F. A.
2026; 42 (1)
- **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
- **Wound Healing and Management Considerations in the Pediatric Surgical Patient.** *Advances in wound care*
Liang, N. E., Jing, S. L., Suh, E. J., Wang, H. H., Pham, B. P., Chiu, B., Hyun, J. S., Griffin, M. F., Longaker, M. T., Fell, G. L.
2025
- **Single Cell RNA-Seq and Xenium Spatial Transcriptomics Analysis Reveals Potential Mechanism for Migration of Creeping Fat-Derived Mechanosensitive Fibroblast in Crohn's Disease Strictures**
Pham, B., Bauer-Rowe, K. E., Liang, N., Suh, E. J., Longaker, M., Hyun, J.
LIPPINCOTT WILLIAMS & WILKINS.2025: S88
- **The Unique Roles of Adipose Tissue in Wound Healing.** *Advances in wound care*
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2025
- **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
- **Adjuvant steroids following Kasai portoenterostomy for biliary atresia: a single-center 18-year experience comparing different steroid dose regimens.** *Pediatric surgery international*
Liang, N. E., Danzer, E., Hyun, J. S., Chao, S. D., Bruzoni, M., Dunn, J. C.
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- **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
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- **BA-ECM Score: Automated Quantification of Liver Fibrosis Architecture in Biliary Atresia with Potential for Prognostic Value - A Pilot Study.** *Annals of surgery*
Liang, N. E., Guo, J. L., Griffin, M. F., Bauer-Rowe, K. E., Narang, A., Januszyk, M., Fell, G. L., Dunn, J. C., Chao, S. D., Tan, S. Y., Longaker, M. T., Hyun, J. S.
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- **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
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- **Inhibiting mechanotransduction prevents scarring and yields regeneration in a large animal model.** *Science translational medicine*
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- **Racial and Ethnic Disparities in Child Abuse Identification and Inpatient Treatment.** *JAMA network open*
Salimi-Jazi, F., Liang, N. E., Huang, Z., Tennakoon, L., Rafeeqi, T., Trickey, A., Chao, S. D.
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Liang, N., Abrajano, C., Dalusag, K., Chiu, B.
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- **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., Januszzyk, M., Longaker, M. T., Wan, D. C.
LIPPINCOTT WILLIAMS & WILKINS.2024: S388
- **Creeping Fat-Derived Fibroblasts Promote Intestinal Fibrosis in Crohn's Disease**
Bauer-Rowe, K. E., Pham, B., Korah, M., Guo, J. L., Liang, N., Griffin, M., Delitto, D., Longaker, M. T., Hyun, J. S.
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- **Piezo Inhibition Prevents and Rescues Scarring by Targeting the Adipocyte to Fibroblast Transition**
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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., Januszzyk, M., Wan, D. C., Longaker, M. T.
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- **Dipeptidylpeptidase 4 Is Overexpressed in the Extracellular Matrix of Biliary Atresia-Associated Liver Fibrosis**
Liang, N., Griffin, M., Parker, J. B. L., Guo, J. L., Bauer-Rowe, K. E., Fell, G. L., Dunn, J. C. Y., Tan, S. Y. S., Hyun, J. S., Longaker, M. T.
LIPPINCOTT WILLIAMS & WILKINS.2024: S347-S348
- **Investigation of Creeping Fat Associated Fibroblasts in Smooth Muscle Cell Hypertrophy in Crohn's Disease Stricture Formation**
Pham, B., Bauer-Rowe, K. E., Liang, N., Griffin, M., Guo, J. L., Foster, D., Norton, J. A., Hyun, J. S., Longaker, M. T.
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- **Mitochondrial Uncoupler and Retinoic Acid Synergistically Induce Differentiation in Neuroblastoma**
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- **Pilonidal disease in the pregnant patient: A case report.** *International journal of surgery case reports*
Liang, N. E., Abrajano, C., Chiu, B.
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- **Esophageal lung, pulmonary artery sling and congenital tracheal stenosis: A case report** *JOURNAL OF PEDIATRIC SURGERY CASE REPORTS*
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Liang, N. E., Lin, S., Slater, B. J., Bruzoni, M.
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- **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.
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- **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
- **Grafting of Human Foreskin onto Murine Dorsum Provides a Novel Model of Chronic Radiation-Induced Fibrosis**
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- **Novel Deferoxamine Cream Formulation Improves Perfusion, Elasticity, and Tissue Architecture in Chronically Irradiated Murine Skin Compared to Transdermal Patch**
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- **Pioglitazone Decreases Adipogenesis Leading to Melanoma Skin Tumor Suppression**
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- **Ferropotosis Levels Decrease in Response to Deferoxamine Treatment in Irradiated Murine Skin**
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- **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.
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- **A Review of Radiation-Induced Vascular Injury and Clinical Impact.** *Annals of plastic surgery*
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 - **Attenuating Chronic Fibrosis: Decreasing Foreign Body Response with Acellular Dermal Matrix.** *Tissue engineering. Part B, Reviews*
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 - **Obstructive Jaundice Secondary to Peribiliary Cyst Within the Common Hepatic Duct** *AMERICAN SURGEON*
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 - **A Novel Thoracic Ultrasound Measurement After Congenital Diaphragmatic Hernia Repair Identifies Decreased Diaphragmatic Excursion Associated With Adverse Respiratory and Surgical Outcomes** *FRONTIERS IN PEDIATRICS*
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- **Experience of Minimally Invasive Surgical Aortic Valve Replacement at a Veterans Affairs Medical Center**
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- **Clinical signs and electroencephalographic patterns of emergence from sevoflurane anaesthesia in children: An observational study** *EUROPEAN JOURNAL OF ANAESTHESIOLOGY*
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