Stanford

# Serena Liang Jing

MD Student with Scholarly Concentration in Clinical Research / Surgery,
expected graduation Spring 2027

## 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

- **Fibroblasts of disparate developmental origins harbor anatomically variant scarring potential.** *Cell*
  Griffin, M. F., Li, D. J., Chen, K., Parker, J. B., Guo, J. L., Kim, S., Kraft, K., Downer, M., Morgan, A. G., Kuhnert, M. M., Jing, S. L., Yao, H., Valencia, et al
  2026

- **Metabolic Effects on Wound Healing** *Advances in Wound Care*
  Yao, H., Griffin, M., Jing, S., Kawamoto-Duran, D., Tarter, J., Liang, N., Longaker, M., Wan, D.
  2026

- **Fibroblasts of disparate developmental origins harbor anatomically variant scarring potential** *Cell*
  Griffin, M., Li, D., Chen, K., Parker, J., Guo, J., Kim, S., Kraft, K., Downer, M., Morgan, A., Kuhnert, M., Jing, S., Yao, H., Valencia, et al
  2026

- **Understanding and Advancing Wound Healing in the Era of Multi-Omic Technology.** *Bioengineering (Basel, Switzerland)*
  Jing, S. L., Suh, E. J., Huang, K. X., Griffin, M. F., Wan, D. C., Longaker, M. T.
  2025; 13 (1)

- **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

- **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

- **Characterizing Fibroblast Heterogeneity in Diabetic Wounds Through Single-Cell RNA-Sequencing.** *Biomedicines*
  Wang, H. H., Korah, M., Jing, S. L., Berry, C. E., Griffin, M. F., Longaker, M. T., Januszyk, M.
  2024; 12 (11)

- **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

- **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

- **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

- **Sensor-enabled Multilayer Artificial Intelligence Analysis for Predictive Wound Healing and Real-Time Patient Monitoring**
  Trotsyuk, A. A., Jing, S., Chen, K., Henn, D., Jiang, Y., Niu, S., Sivaraj, D., Nag, R., Snyder, M., bao, Z., Gurtner, G. C.
  WILEY.2023: 268-269

- **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

- **Aligned microribbon scaffolds with hydroxyapatite gradient for engineering bone-tendon interface.** *Tissue engineering. Part A*
  Stanton, A. E., Tong, X., Jing, S., Behn, A. W., Storaci, H., Yang, F.
  2022

- **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

- **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

- **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