Stanford

John Ming Lu

- MD Student, expected graduation Spring 2027
- Ph.D. Student in Stem Cell Biology and Regenerative Medicine, admitted Autumn 2022
- MSTP Student

Publications

PUBLICATIONS

- **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
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- **Histological signatures map anti-fibrotic factors in mouse and human lungs.** *Nature*
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- **Inhibiting mechanotransduction prevents scarring and yields regeneration in a large animal model.** *Science translational medicine*
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- **Two structural switches in HIV-1 capsid regulate capsid curvature and host factor binding.** *Proceedings of the National Academy of Sciences of the United States of America*
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- **Structures and distributions of SARS-CoV-2 spike proteins on intact virions** *NATURE*
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- **Disruption of fibroblast MYD88 signaling promotes antitumor immunity in pancreatic ductal adenocarcinoma.** *Cell reports*
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- **Multi-omic analysis reveals retinoic acid molecular drivers for dermal fibrosis and regenerative repair in the skin.** *Cell stem cell*
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  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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- **Cardiac Fibroblast Atlas Reveals Myofibroblast Activation After Myocardial Infarction**
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- **Dissecting the Role of Perivascular Cells to Fibroblast Transition Through Single-Nucleus Transcriptomics in Skin Fibrosis**
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- **Understanding the Foreign Body Response via Single-Cell Meta-Analysis.** *Biology*
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- **Multi-Modal Analysis of Cell Populations and Architectural States Mediating the Progression and Resolution of Pulmonary Fibrosis**
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- **Research-driven schistosomiasis mass drug administration campaign in four Tanzanian villages along Lake Victoria**
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