

# Stanford

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## Shixuan Liu

Postdoctoral Scholar, Chemical and Systems Biology

### Bio

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#### STANFORD ADVISORS

- James Ferrell, Postdoctoral Faculty Sponsor

#### LINKS

- <https://neuroscience.stanford.edu/people/shixuan-liu>: <https://neuroscience.stanford.edu/people/shixuan-liu>

### Research & Scholarship

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#### LAB AFFILIATIONS

- James Ferrell (5/20/2020)
- Mark Krasnow (5/20/2020)

### Publications

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#### PUBLICATIONS

- **The Tabula Sapiens: A multiple-organ, single-cell transcriptomic atlas of humans.** *Science (New York, N.Y.)*  
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- **Cell types of origin of the cell-free transcriptome.** *Nature biotechnology*  
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- **What programs the size of animal cells?** *Frontiers in cell and developmental biology*  
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- **RNA splicing programs define tissue compartments and cell types at single-cell resolution** *ELIFE*  
Olivieri, J., Dehghannasiri, R., Wang, P. L., Jang, S., de Morree, A., Tan, S. Y., Ming, J., Wu, A., Consortium, T., Quake, S. R., Krasnow, M. A., Salzman, J.  
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- **Cell size homeostasis is maintained by CDK4-dependent activation of p38 MAPK.** *Developmental cell*  
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- **Chloride intracellular channel 1 cooperates with potassium channel EAG2 to promote medulloblastoma growth** *JOURNAL OF EXPERIMENTAL MEDICINE*  
Francisco, M. A., Wanggou, S., Fan, J. J., Dong, W., Chen, X., Momin, A., Abeysundara, N., Min, H., Chan, J., McAdam, R., Sia, M., Pusong, R. J., Liu, et al  
2020; 217 (5)
- **The Ion Transporter NKCC1 Links Cell Volume to Cell Mass Regulation by Suppressing mTORC1** *CELL REPORTS*

Demian, W. L., Persaud, A., Jiang, C., Coyaud, E., Liu, S., Kapus, A., Kafri, R., Raught, B., Rotin, D.  
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- **Size uniformity of animal cells is actively maintained by a p38 MAPK-dependent regulation of G1-length *ELIFE***  
Liu, S., Ginzberg, M., Patel, N., Hild, M., Leung, B., Li, Z., Chen, Y., Chang, N., Wang, Y., Tan, C., Diena, S., Trimble, W., Wasserman, et al  
2018; 7

- **Incoherent Inputs Enhance the Robustness of Biological Oscillators *CELL SYSTEMS***  
Li, Z., Liu, S., Yang, Q.  
2017; 5 (1): 72-+