Stanford

Shicong Xie

Basic Life Research Scientist

Biology

Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Basic Life Science Research Associate, Biology

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I use 4D imaging to study cell growth and cell cycle progression in epithelial organoid models and in intact mice.

Publications

PUBLICATIONS

- **Eukaryotic Cell Size Control and Its Relation to Biosynthesis and Senescence.** *Annual review of cell and developmental biology*
  Xie, S., Swaffer, M., Skotheim, J. M.
  2022

- **Cell-size control: Chromatin-based titration primes inhibitor dilution.** *Current biology : CB*
  Xie, S., Skotheim, J. M.
  2021; 31 (19): R1127-R1129

- **A G1 Sizer Coordinates Growth and Division in the Mouse Epidermis.** *Current biology : CB*
  Xie, S. n., Skotheim, J. M.
  2020

- **Constitutive expression of a fluorescent protein reports the size of live human cells.** *Molecular biology of the cell*
  Berenson, D. F., Zatulovskiy, E., Xie, S., Skotheim, J. M.
  2019: mbcE19030171

- **Reversible Disruption of Specific Transcription Factor-DNA Interactions Using CRISPR/Cas9.** *Molecular cell*
  Shariati, S. A., Dominguez, A., Xie, S., Wernig, M., Qi, L. S., Skotheim, J. M.
  2019; 74 (3): 622

- **Cyclin D-Cdk4,6 Drives Cell-Cycle Progression via the Retinoblastoma Protein's C-Terminal Helix.** *Molecular cell*
  Topacio, B. R., Zatulovskiy, E., Cristea, S., Xie, S., Tambo, C. S., Rubin, S. M., Sage, J., Koivomagi, M., Skotheim, J. M.
  2019

- **Loss of G(alpha 12/13) exacerbates apical area dependence of actomyosin contractility** *MOLECULAR BIOLOGY OF THE CELL*
  Xie, S., Mason, F. M., Martin, A. C.
  2016; 27 (22): 3526-3536

- **RhoA GTPase inhibition organizes contraction during epithelial morphogenesis** *JOURNAL OF CELL BIOLOGY*

Mason, F. M., Xie, S., Vasquez, C. G., Tworoger, M., Martin, A. C.
2016; 214 (5): 603–17

- **Intracellular signalling and intercellular coupling coordinate heterogeneous contractile events to facilitate tissue folding** *NATURE COMMUNICATIONS*
  Xie, S., Martin, A. C.
  2015; 6: 7161