Stanford



Souradeep Sarkar

Postdoctoral Scholar, Bioengineering

Bio

HONORS AND AWARDS

- Dean's Postdoctoral Fellow, School of Medicine, Stanford University (July, 2023)

PROFESSIONAL EDUCATION

- PhD, National Centre for Biological Sciences (2021)

STANFORD ADVISORS

- Bo Wang, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Explosive cytotoxicity of ruptoblasts bridges hormone surveillance and immune defense.** *Cell*
  Chai, C., Sultan, E., Sarkar, S. R., Zhong, L., Nanes Sarfati, D., Gershoni-Yahalom, O., Jacobs-Wagner, C., Thiam, H. R., Rosental, B., Wang, B.
  2026

- **Explosive cytotoxicity of 'ruptoblasts' bridges hormonal surveillance and immune defense.** *bioRxiv : the preprint server for biology*
  Chai, C., Sultan, E., Sarkar, S. R., Zhong, L., Sarfati, D. N., Gershoni-Yahalom, O., Jacobs-Wagner, C., Thiam, H. R., Rosental, B., Wang, B.
  2025

- **A genetic and microscopy toolkit for manipulating and monitoring regeneration in Macrostomum lignano.** *Cell reports*
  Hall, R. N., Li, H., Chai, C., Vermeulen, S., Bigasin, R. R., Song, E. S., Sarkar, S. R., Gibson, J., Prakash, M., Fire, A. Z., Wang, B.
  2024; 43 (11): 114892

- **Smed-ETS-1 regulates cathepsin+ cell function and epidermal lineage landscape via basement membrane remodeling.** *Journal of cell science*
  Dubey, V. K., Sarkar, S. R., Lakshmanan, V., Dalmeida, R., Gulyani, A., Palakodeti, D.
  2022

- **DDX24 is required for muscle fiber organization and the suppression of wound-induced Wnt activity necessary for pole re-establishment during planarian regeneration** *DEVELOPMENTAL BIOLOGY*
  Sarkar, S. R., Dubey, V., Jahagirdar, A., Lakshmanan, V., Haroon, M., Sowndarya, S., Sowdhamini, R., Palakodeti, D.
  2022; 488: 11-29

- **Mitochondrial state determines functionally divergent stem cell population in planaria** *STEM CELL REPORTS*
  Haroon, M., Lakshmanan, V., Sarkar, S. R., Lei, K., Vemula, P., Palakodeti, D.
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