



## Kousik Sundararajan

Postdoctoral Research Fellow, Biochemistry

### Bio

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#### PROFESSIONAL EDUCATION

- Bachelor of Technology, Indian Institute of Technology, Madras (2012)
- Doctor of Philosophy, Johns Hopkins University (2018)

#### STANFORD ADVISORS

- Aaron Straight, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Agrobacterium tumefaciens divisome proteins regulate the transition from polar growth to cell division.** *Molecular microbiology*  
Howell, M., Aliashkevich, A., Sundararajan, K., Daniel, J. J., Lariviere, P. J., Goley, E. D., Cava, F., Brown, P. J.  
2019
- **Species- and C-terminal linker-dependent variations in the dynamic behavior of FtsZ on membranes in vitro.** *Molecular microbiology*  
Sundararajan, K., Vecchiarelli, A., Mizuuchi, K., Goley, E. D.  
2018
- **The intrinsically disordered C-terminal linker of FtsZ regulates protofilament dynamics and superstructure in vitro** *JOURNAL OF BIOLOGICAL CHEMISTRY*  
Sundararajan, K., Goley, E. D.  
2017; 292 (50): 20509–27
- **Cytoskeletal Proteins in Caulobacter crescentus: Spatial Orchestrators of Cell Cycle Progression, Development, and Cell Shape** *PROKARYOTIC CYTOSKELETONS: FILAMENTOUS PROTEIN POLYMERS ACTIVE IN THE CYTOPLASM OF BACTERIAL AND ARCHAEAL CELLS*  
Sundararajan, K., Goley, E. D., Lowe, J., Amos, L. A.  
2017; 84: 103–37
- **The bacterial tubulin FtsZ requires its intrinsically disordered linker to direct robust cell wall construction** *NATURE COMMUNICATIONS*  
Sundararajan, K., Miguel, A., Desmarais, S. M., Meier, E. L., Huang, K. C., Goley, E. D.  
2015; 6