

Stanford



Alexandra Long

Postdoctoral Research Fellow, Biology

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California, San Francisco , Cell Biology (2020)
- Bachelor of Arts, Carleton College , Biology (2013)

STANFORD ADVISORS

- Tim Stearns, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **A not-so-simple twist of fate.** *Developmental cell*
Long, A. F., Stearns, T.
2021; 56 (4): 402–4
- **Individual kinetochore-fibers locally dissipate force to maintain robust mammalian spindle structure.** *The Journal of cell biology*
Long, A. F., Suresh, P., Dumont, S.
2020; 219 (8)
- **Microneedle manipulation of the mammalian spindle reveals specialized, short-lived reinforcement near chromosomes** *ELIFE*
Suresh, P., Long, A. F., Dumont, S.
2020; 9
- **The mammalian kinetochore-microtubule interface: robust mechanics and computation with many microtubules** *CURRENT OPINION IN CELL BIOLOGY*
Long, A. F., Kuhn, J., Dumont, S.
2019; 60: 60–67
- **Hec1 Tail Phosphorylation Differentially Regulates Mammalian Kinetochore Coupling to Polymerizing and Depolymerizing Microtubules** *CURRENT BIOLOGY*
Long, A. F., Udy, D. B., Dumont, S.
2017; 27 (11): 1692–+
- **Kinesin-5: A Team Is Just the Sum of Its Parts** *DEVELOPMENTAL CELL*
Hueschen, C. L., Long, A. F., Dumont, S.
2015; 34 (6): 609–10
- **Structural and Electronic Properties of Old and New A(2)[M(pin(F))(2)] Complexes** *INORGANIC CHEMISTRY*
Tahsini, L., Specht, S. E., Lum, J. S., Nelson, J. M., Long, A. F., Golen, J. A., Rheingold, A. L., Doerrler, L. H.
2013; 52 (24): 14050–63
- **Mechanical Fluidity of Fully Suspended Biological Cells** *BIOPHYSICAL JOURNAL*

Maloney, J. M., Lehnhardt, E., Long, A. F., Van Vliet, K. J.
2013; 105 (8): 1767-77