

Stanford

Li Av Tia Segev Zarko Zarko

Basic Life Research Scientist, Microbiology and Immunology

Bio

HONORS AND AWARDS

- ChEM-H Postdoc at the Interface Seed Grant, Stanford University (2020)
- Maternal and Child Health Research Institute Postdoctoral Support, Stanford University (2019)
- School of Medicine Dean's Postdoctoral Fellowship, Stanford University (2018)
- Vaadia-BARD Postdoctoral Fellowship, Vaadia-BARD (2018)

EDUCATION AND CERTIFICATIONS

- Master of Science, The Weizmann Institute of Science (2012)
- Doctor of Philosophy, The Weizmann Institute of Science (2017)

Publications

PUBLICATIONS

- **Cryo-electron tomography with mixed-scale dense neural networks reveals key steps in deployment of Toxoplasma invasion machinery.** *PNAS nexus* Segev-Zarko, L. A., Dahlberg, P. D., Sun, S. Y., Pelt, D. M., Kim, C. Y., Egan, E. S., Sethian, J. A., Chiu, W., Boothroyd, J. C. 2022; 1 (4): pgac183
- **Cryo-ET of Toxoplasma parasites gives subnanometer insight into tubulin-based structures.** *Proceedings of the National Academy of Sciences of the United States of America* Sun, S. Y., Segev-Zarko, L., Chen, M., Pintilie, G. D., Schmid, M. F., Ludtke, S. J., Boothroyd, J. C., Chiu, W. 2022; 119 (6)
- **Cryogenic electron tomography reveals novel structures in the apical complex of Plasmodium falciparum.** *mBio* Sun, S. Y., Segev-Zarko, L., Pintilie, G. D., Kim, C. Y., Staggers, S. R., Schmid, M. F., Egan, E. S., Chiu, W., Boothroyd, J. C. 2024: e0286423
- **Actin self-organization in gliding parasitic cells** Hueschen, C. L., Zarko, L., Chen, J., LeGros, M., Larabell, C. A., Boothroyd, J. C., Phillips, R., Dunn, A. R. CELL PRESS.2023: 5A
- **Actin self-organization in gliding parasitic cells.** *Biophysical journal* Hueschen, C. L., Segev Zarko, L., Chen, J., LeGros, M., Larabell, C. A., Boothroyd, J. C., Phillips, R., Dunn, A. R. 2023; 122 (3S1): 5A
- **Characterizing the distribution of myosin H in the apical complex of conoid protruded and conoid retracted Toxoplasma gondii** Balaji, A., Dahlberg, P. D., Segev-Zarko, L., Sun, S., Chiu, W., Boothroyd, J., Moerner, W. E. CELL PRESS.2022: 409A
- **NANOSCALE ELUCIDATION OF THE INVASION APPARATUS OF APICOMPLEXAN PARASITES** Segev-Zarko, L., Sun, S. Y., Dahlberg, P. D., Pelt, D., Chen, J., Schmid, M. F., Galaz-Montoya, J., Moerner, W. E., Larabell, C., Sethian, J., Chiu, W., Boothroyd, J. AMER SOC TROP MED & HYGIENE.2019: 620