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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.
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- **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*
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- **Cryogenic electron tomography reveals novel structures in the apical complex of Plasmodium falciparum.** *mBio*
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- **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.
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- **Actin self-organization in gliding parasitic cells.** *Biophysical journal*
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- **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.
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- **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.
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