

Stanford

Elizabeth Jerison

Postdoctoral Scholar, Applied Physics

Bio

PROFESSIONAL EDUCATION

- Bachelor of Science, Yale University (2010)
- Doctor of Philosophy, Harvard University (2016)

STANFORD ADVISORS

- Stephen Quake, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Stephen Quake (9/1/2016)

Publications

PUBLICATIONS

- **Chance and necessity in the pleiotropic consequences of adaptation for budding yeast.** *Nature ecology & evolution*
Jerison, E. R., Nguyen Ba, A. N., Desai, M. M., Kryazhimskiy, S.
2020
- **Heterogeneous T cell motility behaviors emerge from a coupling between speed and turning in vivo.** *eLife*
Jerison, E. R., Quake, S. R.
2020; 9
- **Genetic variation in adaptability and pleiotropy in budding yeast** *ELIFE*
Jerison, E. R., Kryazhimskiy, S., Mitchel, J., Bloom, J. S., Kruglyak, L., Desai, M. M.
2017; 6
- **Genomic investigations of evolutionary dynamics and epistasis in microbial evolution experiments** *CURRENT OPINION IN GENETICS & DEVELOPMENT*
Jerison, E. R., Desai, M. M.
2015; 35: 33–39
- **Fate of a mutation in a fluctuating environment** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Cvijovic, I., Good, B. H., Jerison, E. R., Desai, M. M.
2015; 112 (36): E5021–E5028
- **Global epistasis makes adaptation predictable despite sequence-level stochasticity** *SCIENCE*
Kryazhimskiy, S., Rice, D. P., Jerison, E. R., Desai, M. M.
2014; 344 (6191): 1519–22
- **Dynamic Mutation-Selection Balance as an Evolutionary Attractor** *GENETICS*
Goyal, S., Balick, D. J., Jerison, E. R., Neher, R. A., Shraiman, B. I., Desai, M. M.
2012; 191 (4): 1309–U377

- **Deformation of an Elastic Substrate by a Three-Phase Contact Line** *PHYSICAL REVIEW LETTERS*

Jerison, E. R., Xu, Y., Wilen, L. A., Dufresne, E. R.

2011; 106 (18): 186103