

**Mini-symposium title:** Evolutionary Theory of Disease

**Mini-symposium organizers, names, affiliations and e-mails:** Jesse Kreger, University of California Irvine, Department of Mathematics, [kregerj@uci.edu](mailto:kregerj@uci.edu)

**Brief synopsis of mini-symposium including justification of how the topic relates to population dynamics:** This mini-symposium will be on the mathematical modeling and evolutionary progression of disease (specifically virus infection and cancer). Speakers will present their research, including mathematical and computational models, with a focus on understanding the evolutionary population dynamics within host.

**Confirmed speakers list:**

- Daniel Bergman, University of California Irvine
- Renee Brady, Moffitt Cancer Center
- Heiko Enderling, Moffitt Cancer Center
- Marek Kimmel, Rice University
- Jesse Kreger, University of California Irvine
- Alex Sigal, Africa Health Research Institute/Max Planck Institute for Infection Biology
- Joanna Wares, University of Richmond
- Lora Weiss, University of California Irvine