**Title**: Density dependence in mosquito populations: implications for control

**Organizers**

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**Description**. Mosquito-borne diseases such as malaria, dengue fever, and Zika virus infect millions of people across the world each year. In efforts to better control mosquito populations and decrease disease burden, there has recently been an increased interest in developing novel control measures. The success of many of these novel measures will rely upon the dynamics of the mosquito population. In particular, density-dependent population regulation is likely to play a critical role in the success or failure of control strategies. This mini-symposium will explore recent work in utilizing mathematical modeling to develop a better understanding of density dependence in mosquito populations and the implications of density-dependent regulation for control strategies.

**Confirmed Speakers** (in alphabetical order):

John M. Marshall, Assistant Professor, University of California, Berkeley (john.marshall@berkeley.edu)

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