

"As simple as possible? Merging complex phenotypes into the genetic theory of adaptation"

by Dr. Nic Kooyers, University of Virginia

Friday, December 4, 2015

3:00 – 4:00 PM

Science 2, room 109

For further information:
www.csufresno.edu/biology



Dr. Kooyers' research is focused on understanding how organisms are able to adapt to local environments. This involves identifying the selective pressures as well as the traits and underlying genes that lead to differential survival and reproduction among populations. He uses this information to identify generalities underlying the evolutionary process and determine the genetic, developmental and ecological factors that foster or constrain future adaptation. He is particularly interested in understanding how drought resistance and herbivore defense evolve in plants as these represent critical phenotypes for crop improvement and responses to climatic change.

Dr. Nic Kooyers is a population biologist who explores the basic processes and patterns governing adaptation in natural populations. He has a BS in Biology and in Chemistry from Valparaiso University, IN, and a PhD in Biology and Biomedical Sciences from Washington University, St. Louis, MO. He is currently a postdoctoral researcher at the University of Virginia investigating the ecological factors and evolutionary mechanisms responsible for adaptation in plants.

If you need a disability-related accommodation or wheelchair access, please contact Lindasue Garner at the Department of Biology at 278-2001 or e-mail lgarner@csufresno.edu (at least one week prior to event).