



NIMBioS

National Institute for Mathematical
and Biological Synthesis



Evolutionary Quantitative Genetics A NIMBioS Tutorial

August 1-8, 2016*
NIMBioS at the Univ. of Tennessee, Knoxville

Quantitative genetic theory has been applied to a wide range of phenomena including the evolution of differences between the sexes, sexual preferences, life history traits, plasticity of traits, as well as the evolution of body size and other morphological measurements. This tutorial is for evolutionary biologists interested in how quantitative genetics theory can be tested with data, both from single species and with multiple-species phylogenies. Participants – graduate students, postdocs, and junior faculty – will learn how to use R to build and test evolutionary models. There is a need for evolutionary biologists to understand the field of evolutionary quantitative genetics because of the ability to collect large amounts of data by computer, the development of statistical methods for changes of traits on evolutionary trees and for changes in a single species through time, and the realization that quantitative characters will not soon be fully explained by genomics.

Participation in the tutorial is by application only. Successful applicants will be notified within two weeks of the application deadline. There is no travel and lodging support for this tutorial.

Application deadline: May 1, 2016*

For more information about the tutorial and a link to the online application form, go to

http://www.nimbios.org/tutorials/TT_eqg2016

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The National Institute for Mathematical and Biological Synthesis (NIMBioS) brings together researchers from around the world to collaborate across disciplinary boundaries to investigate solutions to basic and applied problems in the life sciences. NIMBioS is sponsored by the National Science Foundation, with additional support from The University of Tennessee, Knoxville.

