



NIMBioS

National Institute for Mathematical
and Biological Synthesis

NIMBioS Spring 2012 Interdisciplinary Seminar Series

Seminars focusing on research at the interface of mathematics and many areas of the life sciences are held every other Tuesday at 3:30 p.m., unless otherwise noted, at NIMBioS, Blount Hall, 4th floor, 1534 White Ave. Refreshments are served in the NIMBioS lobby one-half hour before each talk.

Date	Speaker	Seminar Title
Jan. 17	Andrew Kanarek, NIMBioS Postdoctoral Fellow	Ecological and evolutionary consequences of Allee effects in small founder populations of invasive species
Jan. 31	Maud Lélou, NIMBioS Postdoctoral Fellow	Interactions between the transmission modes of the parasite <i>Toxoplasma gondii</i>
Feb. 9	Rosemary Gillespie, Environmental Science, Univ. of California, Berkeley <i>Darwin Day event</i>	Community assembly across an island chronology
Feb. 28	Russell Lande*, Natural Sciences, Imperial College London	Adaptation to an extraordinary environment by evolution of phenotypic plasticity and genetic assimilation
Mar. 27	Judy Day, Depts. Mathematics and Electrical Engineering and Computer Science, Univ. of Tennessee	Complex immune responses: Modeling and control
Mar. 29	Michael DeGiorgio, Dept. of Integrative Biology, Univ. of California, Berkeley	Genetic variation and modern human origins
Apr. 4, 1pm	Andrew Pomiankowski*, Centre for Mathematics and Physics in the Life Sciences and Experimental Biology (CoPLEX), Univ. College London	Do sexual ornaments signal fertility?
Apr. 10	James Degnan, Math and Statistics, Univ. of Canterbury; NIMBioS Sabbatical Visitor	Modeling hybridization: Gene trees in species networks
Apr. 24	Joshua Plotkin*, Mathematical Biology, Univ. of Penn	On the role of neutral mutations in adaptation at NIMBioS' new location: Philander P. Claxton Education Building, 1122 Volunteer Blvd, Ste 106.

*NIMBioS Postdoctoral Fellows Invited Distinguished Visitor

For more information about NIMBioS Seminars, visit <http://www.nimbios.org/seminars>

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, the U.S. Department of Homeland Security, and the U.S. Department of Agriculture with additional support from The University of Tennessee, Knoxville.