



NIMBioS

National Institute for Mathematical
and Biological Synthesis

Spring 2016 Interdisciplinary Seminar Series

Date	Speaker	Topic
Jan 19	Chongle Pan, Computer Science & Mathematics Division, ORNL	Characterization of microbial evolution and physiology using big omics data
Feb 16	Maria Servedio, Biology, Univ. of North Carolina; Handling Editor, Evolution	Models and mechanisms of male mate choice
CANCELED Mar 8	Peter Chesson*, Ecology and Evolutionary Biology, Univ. of Arizona	Diversity maintenance: New concepts and theory for communities as multiple-scale entities
Mar 22	Alex Mogilner, Mathematics and Biology, Courant Institute; Biology, New York Univ.	Mechanical pathways of cell polarization and motility initiation
Mar 29	Alison G. Power, Ecology and Evolutionary Biology, Cornell Univ.	From landscapes to coinfections: Plant virus epidemiology at multiple scales
Apr 12	Michael Whitlock*, Zoology, Univ. of British Columbia, Vancouver	Selection in complex spatial settings
Apr 14	Glenn Ledder, Mathematics, Univ. of Nebraska, Lincoln	Allocation of resources in two-component systems
Apr 19	Urszula Ledzewicz, Mathematics and Statistics, Southern Illinois Univ., Edwardsville, and Lodz Univ. of Technology, Poland	Optimal protocols for combination therapies in cancer: how much, how often, in what sequence?

**NIMBioS Postdoctoral Fellows Invited Distinguished Visitor*

Seminars take place at 3:30 p.m. in Hallam Auditorium, Room 206, Claxton Building, 1122 Volunteer Blvd., unless otherwise noted. Join us for reception and refreshments at 3 p.m.

Most seminars are live streamed. Visit <http://www.nimbios.org/videos/livestream>.

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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.