



# Biomathematical Explorations

June 20-21, 2005  
SUNY Geneseo

Monday, June 20, 2005

All Events are in South Hall

The Warm-Up. Student Presentations

Room 338

- 10:30-11:00 Refreshments & Gatherings
- 11:00-11:15 D. Marcus. The spread of fear among fish.
- 11:15-11:30 D. Fitzgerald. The spread of cooperation in complex networks.
- 11:30-11:45 S. Kyu. A graph-theoretical approach to understanding coevolution.
- 11:45-12:00 A. McCarthy and K. Pinto. The Evolutionary Signature of Influenza.
- 12:00-12:15 J. Dresch. Vaccinating against influenza in a network population.
- 12:15-12:30 A. Zielinski. Modeling influenza: from SEIR to small-world networks.
- 12:30-2:00 Lunch

Room 322B

Talks by Visiting Researchers

**2:00 – 2:50 Dr. Ben Bolker** Room 338  
**Zoology Dept., University of FL, Gainesville**

**Title: Modeling Spatial Processes (or Why You Can't Subtract Thunderstorms From Lemmings)**

3:00 – 3:30 Discussion/Break Room 322B

**3:30 – 4:20 Dr. Jonathan Dushoff,** Room 338  
**Ecology and Evolutionary Biology, Princeton University**

**Title: Modeling the Evolution and Spread of Influenza A**

4:30 – 5:00 Discussion/Break

Tuesday, June 21, 2005

(Note Room Change)

Lessons

- 9:00 – 9:30 Breakfast Room 322B
- 9:30 – 10:30 Jonathan Dushoff..... Room 233
- 10:30 – 10:45 Break Room 322B
- 11:00 – 12:00 Ben Bolker..... Room 233
- 12:00 – 1:15 Lunch Room 322B
- 1:15 – 3:00 Open discussion on future directions Room 233

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