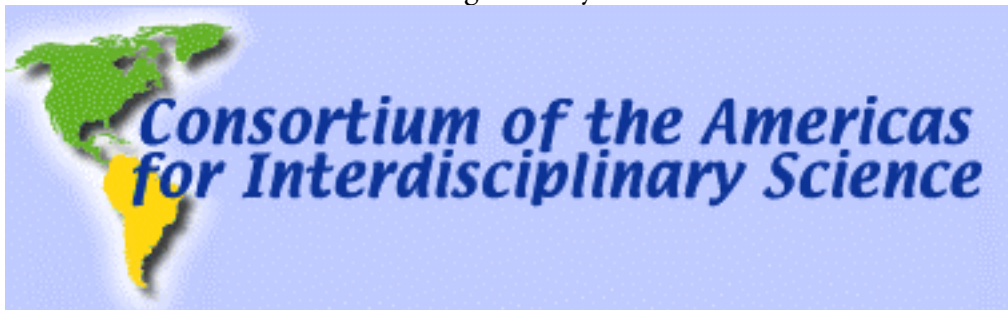


Workshop on

Population Dynamics in Biology: Epidemics, Bacteria, Vegetation, and Sundries

Organized by



Location: Hodgin Hall (Bobo Room)
Inside the Main UNM Campus at its Southwest corner
near the intersection of University Ave and Central Ave

For further information contact:

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Thursday, November 21

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| 8:30-9:00 | R. Dasenbrock, V.M. Kenkre
Welcoming Remarks |
| 9:00-9:45 | K. Johnson (Biology, UNM)
Machupo Virus, Mouse Urine, and Hemorrhagic Fever: a Bolivian Story. |
| 9:45-10:30 | M. Kuperman (CAB, Argentina)
Small-World Networks in the Study of Epidemics |
| 10:30-11:00 | Break |
| 11:00-11:45 | F. Koster (Medical School, UNM)
Modeling the Transmission of Zoonotic Infections: what do we need to know. |
| 11:45-12:30 | V.M. Kenkre (Physics, UNM)
The Hantavirus: how a physicist may help. |

- 12:30-1:30 Lunch
1:30-2:15 J. Buceta (U.C. San Diego)
Seasonal Variations in a Paradigmatic Model of the Hantavirus.
2:15-3:00 J. Salazar (Biology, UNM)
Population Biology and Disease Outbreaks: what we don't know.
3-3:30 Break
3:30-4:15 M. Ernest (Biology, UNM)
Complex Populations Dynamics of Desert Rodents.
4:15-5:00 J. Pearson (Los Alamos)
Traveling Waves in the Fire-diffuse-fire Model of Intra-cellular Calcium Release.

Friday, November 22

- 9-9:45 B. Milne (Biology, UNM)
Free Energy Minimization in Semi-arid Landscapes.
9:45-10:30 R. Parmenter (Biology, UNM)
Climate Drivers of Plague Occurrences in the Southwest.
10:30-11:00 Break
11-11:45 S. Baccam (Los Alamos)
Influenza Viral Dynamics.
11:45-12:30 A. Lin (Duke University)
Localization and Extinction in Bacterial Populations under Inhomogeneous Growth Conditions.
12:30-2:00 Lunch at the University House
2:00-3:30 BACTERIAFEST
Lin, Kenkre, Kuperman, Fuentes, Giuggioli, Ballard
3:30 Roundtable Discussion on Future Directions of Research

Our web address:

<http://panda.unm.edu/consort/consortium.html>