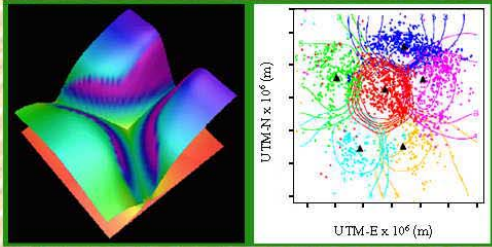


Mathematics of Biological Systems

Mathematical Biology Summer Workshop

May 11-19, 2002

ecology



Wolf territories (model and data)

Aim: To introduce students to mathematical modeling and analysis applied to real biological systems.

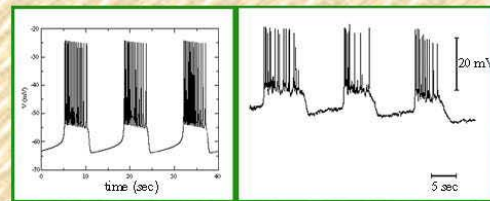
Background: Typical students will have completed 2-3 years of undergraduate study (or equivalent) in mathematics or a similar quantitative science. Undergraduates in their 3rd year are especially encouraged to attend.

Instructors:

Mark Lewis
Thomas Hillen
Gerda de Vries
Michael Li

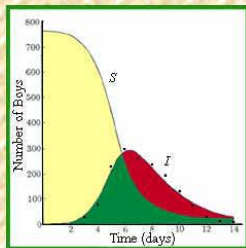
All of the University of Alberta

physiology



Electrical "bursting" behaviour in cells (model and data)

disease



Influenza outbreak (model and data)

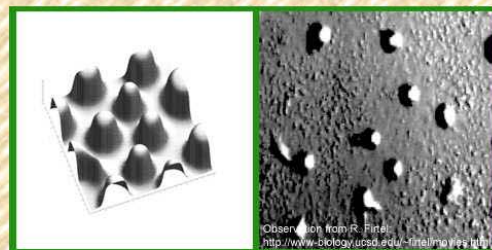
Application Procedure: Application for the program should be made online at <http://pims.math.ualberta.ca>. In addition, a letter of support from a faculty member should be mailed or e-mailed to Lisa Haraba, PIMS Mathbio Summer Workshop, 501 CAB, University of Alberta, Edmonton, AB, Canada T6G 2G1.

Scholarships: Financial support to cover registration, travel, and accomodation are available on a competitive basis. We expect to award approximately twelve undergraduate scholarships.

Application deadline: March 15, 2002

For more information e-mail Robert Bechtel
at rbechtel@ualberta.ca

cell movement



Cell densities under chemotactic movement (model and data)



Centre for Mathematical Biology

Department of Mathematical and
Statistical Sciences
University of Alberta