

## Report from BIOMAT 2006

*Raymond Mejía, Jaime Mena-Lorca, Lisa Sattenspiel and Jorge Velasco-Hernandez*

The International Symposium on Mathematical and Computational Biology, VI Brazilian Symposium on Mathematical and Computational Biology was held at the Federal University of Amazonas (UFAM) and the Northern University Centre UNINORTE in Manaus from 25 - 30 November, <http://www.biomat.org/biomat6/abertura.html> for details.

Tutorials were held on Mathematical Modeling and Optimal Pest Control (M. Rafikov, UNIJUI), Protein Folds, Knots and Tangles and Replication of RNA World (W. Taylor, NIMR, UK), Consequences of some Ecological Phenomena on the Dynamics of Prediction Models (E. González-Olivares, PUC, Valparaiso), and Realistic Population Dynamics Models: Demography Cycles, Chaos and Resources (R. Dilão, UT Lisbon).

A lecture on Ecology: History or Physics? - Grand Unified Theory of Ecology (J. Harte, UC Berkeley) opened the Symposium, and topics included: epidemiology and immunology (L. Sattenspiel, A. Perelson, R. Ribeiro, F. Figueiredo, A.P. Wyse, M. Or-Guil, C. Colijn); protein structure and folding (C. Floudas, A. Finkelstein, W. Taylor); pattern formation (F. Cummings, A. Goriely, J. Harte); dynamics (J. Velasco-Hernandez, E. González-Olivares, S. Coutinho, F. Córdova-Lepe, A.P.C. Rio Doce, J. Mena-Lorca, M. Kritz, R. Dilão, M. Rafikov, C.M. Dias, E. Coutinho, A. Rojas-Palma, A. Camacho, B. González-Yañez, J.D. Flores); systems biology, genomics and physiology (I. Roeder, R. Mejía, M. Rodriguez-Ricard, T. Carletti, A. Neves, P. Licinio, P. Sávio da Silva Costa); bioinformatics (P. Pardalos). Details of the scientific program, including some abstracts, are at [http://www.biomat.org/biomat6/program\\_2006.html](http://www.biomat.org/biomat6/program_2006.html). Proceedings will be available in March or April. Conference photos are at <http://www.smb.org/publications/SMBnet/service/BIOMAT2006/>.

## Photos from BIOMAT 2006

*Provided courtesy of Raymond Mejia*



## New Graduate Program in Neural Computation at Carnegie Mellon University and the University of Pittsburgh

In recognition of the increased demand for computationally-oriented researchers, Carnegie Mellon University, in collaboration with the University of Pittsburgh, has begun a Ph.D. program in computational neuroscience. As neuroscientists have applied new technologies to acquire and analyze large data sets, and have developed new models for understanding increasingly complicated neurobiological systems, quantitative methods have become centrally important to their effort. The new program takes advantage of the unusually large and highly collaborative group of faculty and students in neuroscience in the Pittsburgh community.

Details about program curriculum, training faculty and contact information are available at: [http://www.cnbc.cmu.edu/GradTrain/pnc\\_index.shtml](http://www.cnbc.cmu.edu/GradTrain/pnc_index.shtml). The deadline for applications is February 1, 2007.