

LIBIN RONG

CONTACT INFORMATION

Theoretical Biology and Biophysics Group, MS K710
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EDUCATION

Ph.D., Applied Mathematics, Purdue University, West Lafayette, Indiana, May 2007

Advisor: Prof. Zhilan Feng

Thesis: Mathematical modeling of HIV-1 dynamics and drug therapy

Visiting Student (Spring 2006) and Staff Research Assistant (Summer 2006), Theoretical

Biology and Biophysics, Los Alamos National Laboratory, Advisor: Dr. Alan Perelson

M.S., Applied Mathematics, Fudan University, Shanghai, China, June 2003

B.S., Mathematics, Fudan University, Shanghai, China, June 2000

EMPLOYMENT

Postdoctoral research associate, Theoretical Biology and Biophysics, MS K710, Los Alamos National Laboratory, Los Alamos, NM 87545. June 2007 to present

Advisor: Dr. Alan Perelson

RESEARCH INTERESTS

Mathematical biology, particularly virus dynamics and theoretical immunology; Differential equations and dynamical systems

TEACHING EXPERIENCE

Course instructor, Introduction to Analysis 1, Purdue University, Fall 2006

Course instructor, Algebra and Trigonometry 1, Purdue University, Fall 2005

Recitation instructor, Multivariate Calculus, Purdue University, Spring 2005

Recitation instructor, Linear Algebra and Differential Equations, Purdue University, Fall 2004

PROFESSIONAL EXPERIENCE

Referee for Journals and Conferences

IEEE Transactions on Neural Networks; IEEE Transactions on Circuits and Systems I-Regular Papers; IEEE Transactions on Circuits and Systems II-Express Briefs; IEEE Transactions on Systems, Man and Cybernetics, Part B; IEE Proc. Control Theory & Applications; International Journal of Systems Science; International Journal of Neural Systems; International Journal of Circuit Theory and Application; Asian Journal of Control; Neural Networks; Neural Processing Letters; The 13th International Conference on Neural Information Processing (ICONIP 2006); Neurocomputing; The Fourth International Symposium on Neural Networks (ISNN 2007); Journal of the Franklin Institute; Journal of Theoretical Biology; Mathematical Medicine & Biology;

Theoretical Population Biology; Applied Mathematical Modeling; IEEE International Symposium on Circuits and Systems (ISCAS 2008); Communications in Nonlinear Science and Numerical Simulation; PLoS ONE; Mathematical Biosciences; Bulletin of Mathematical Biology; Journal of Biological Systems.

CONFERENCES

Invited talk, SIAM conference on the life sciences, Montreal, Quebec, Canada, August 2008

Invited talk (travel award), 7th AIMS international conference on dynamic systems, differential equations and applications, Arlington, Texas, May 2008

A two-day bio-security science workshop, Los Alamos National Laboratory, December 2007

Invited talk, SMB annual meeting (Joint SMB-SIAM conference on the life sciences), North Carolina State University, Raleigh, North Carolina, July 2006

Poster (travel award), The workshop on modeling the rapid evolution of infectious diseases: epidemiology and treatment strategies, University of Western Ontario, London, Ontario, Canada, May 2005

AWARDS AND PROFESSIONAL AFFILIATIONS

Lynn Fellowship, Purdue University, 2003-2004

American Mathematical Society (AMS)

Society for Industrial and Applied Mathematics (SIAM)

Society for Mathematical Biology (SMB)