CV – Libin Rong
February 2024

Contact information

Department of Mathematics
University of Florida, Gainesville, Florida 32611
Phone: (352) 294-2394; Fax: (352) 392-8357
Office: 452 Little Hall
E-mail: libinrong@ufl.edu
Web: https://people.clas.ufl.edu/libinrong

Education

Ph.D., Applied Mathematics, Purdue University, West Lafayette, Indiana, May 2007
    Advisor: Zhilan Feng
    Thesis: Mathematical modeling of HIV-1 dynamics and drug therapy
Visiting Student (Spring 2006) and Graduate Research Assistant (Summer 2006),
    Theoretical Biology and Biophysics, Los Alamos National Laboratory
    Advisor: Alan Perelson
M.S., Applied Mathematics, Fudan University, Shanghai, China, June 2003
B.S., Mathematics, Fudan University, Shanghai, China, June 2000

Employment

Professor (August 2021 to present) and Associate Professor (August 2017 to August
    2021), Department of Mathematics, University of Florida, Gainesville, Florida 32611
    Affiliated with the Emerging Pathogens Institute (EPI), University of Florida
Associate Professor (August 2014 to August 2017) and Assistant Professor (January 2010
    to August 2014), Department of Mathematics and Statistics, Oakland University,
    Rochester, Michigan 48309
    Affiliated with the Center for Biomedical Research (CBR), Oakland University
Postdoctoral Research Associate, Theoretical Biology and Biophysics, Los Alamos
    National Laboratory, Los Alamos, New Mexico 87545. June 2007 to December 2009
    Advisor: Alan Perelson

Research interests

Mathematical biology, specifically virus dynamics, theoretical immunology and
epidemiology

Editorial board

Journal of Data and Dynamic Systems, World Scientific Publishing, 2024 - present

PLoS Complex Systems, Public Library of Science, 2023 - present
Mathematical Biosciences and Engineering, AIMS Press, 2023 - present
CSIAM Journal on Life Sciences, Global Science Press, 2023 - present
Bulletin of Mathematical Biology, Springer, 2019 - present
Mathematical Biosciences, Elsevier, 2015 - present
Journal of Biological Systems, World Scientific Publishing, 2012 - present

Scientific Reports, Nature Research, 2016 - 2021
Theoretical Biology and Medical Modelling, BioMed Central, 2019 - 2021

Research grants
NSF DMS-2324692 (PI), 2023 - 2026
NSF DMS-1950254 (PI), 2020 - 2024
NSF CAREER Award DMS-1349939, transferred to DMS-1758290 (PI), 2014 - 2021
Oakland University Research Excellence Fund (PI), 2013 - 2014
NSF DMS-1122290 (PI), 2011 - 2015
NIH NIAID R56-AI091514 (subcontract PI at Oakland, PI: James Whitney, Harvard Medical School), 2011 - 2013

Honors and awards
NSF CAREER Award, 2014
Marian P. Wilson Award, Oakland University, 2014
New Investigator Research Excellence Award, Oakland University, 2013
Leon Heller Publication Prize, Los Alamos National Laboratory, 2012
Lynn Fellowship, Purdue University, 2003
Guang Hua Award, Fudan University, Shanghai, 2002
CAST Award, Fudan University, Shanghai, 1999
People Scholarship, Fudan University, Shanghai, 1996-2000

PhD students
At University of Florida
Hannah Anderson (Chair: Tracy Stepien, Co-Chair: Libin Rong), expected to graduate in May 2024
Boya Yang, graduated in May 2023
    First position: Postdoc at NIH
Shasha Gao (Chair: Libin Rong, Co-Chair: Maia Martcheva), graduated in December 2022
    First position: Faculty at Jiangxi Normal University, China

Tyler Smith, graduated in May 2022
    First position: Research Scientist at Javelin Biotech, Boston

At Oakland University
Areej Alshorman, graduated in December 2015, Oakland University
    First position: Post-doc in University of Louisiana at Lafayette
Kasia Pawelek, graduated in May 2012, Oakland University
    First position: Tenure-track Assistant Professor, University of South Carolina
    Beaufort

Other students
At University of Florida
Chuanhao Yang (undergraduate in Statistics): Fall 2021
Michael Poole (undergraduate in Microbiology): Spring 2021
Luc Olivier (graduate): 2018-2019
Nicole Blanchard (undergraduate): Spring 2018

At Oakland University
Meiqi Song (undergraduate): Winter 2015 and Fall 2015
Gregory Mink (graduate): Summer 2013 - Summer 2014
Chathuri Samarasinghe (graduate): Fall 2012 - Fall 2014
Pawel Marcinek (graduate): Summer 2012
M. Joey Meyer (undergraduate): Summer 2011 and Summer 2012
Marc Ratajczak (undergraduate): Summer 2010

Postdocs and visitors
Ryan Nikin-Beers (Virginia Tech, 2018), Visiting Assistant Professor, August 2018 – May
    2020
Giao Huynh (University of Utah, 2010), Post-doc, September 2010 - August 2012
Sha He (visiting student from Shaanxi Normal University), September 2019-August
    2021
Ting Guo (visiting student from Nanjing University of Science and Technology),
    September 2018-August 2019
Zhipeng Qiu (visiting professor from Nanjing University of Science and Technology),
    August 2018-October 2018
Qimin Zhang, Kangbo Bao, Xiaojie Mou, and Xiaoni Li (visitors from Ningxia
    University, China), December 2017 – March 2018

Teaching at University of Florida
MAT 6932, Seminar in Biomath, Fall 2022

MAP 6488, Biomathematics Seminar II, Spring 2018

MAP 4305/5304, Intermediate Differential Equations, Spring 2020, Fall 2021

MAA4102/5104, Intro Real Analysis 1/Advanced Calculus 1, Spring 2022, Spring 2023

MAS 4105, Linear Algebra, Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020, Spring 2021, Spring 2022, Fall 2022

MAP 2302, Elementary Differential Equations, Fall 2017, Spring 2018, Spring 2019, Spring 2021

Teaching at Oakland University and Purdue University

MTH122, Calculus for Social Sciences, Oakland University, Fall 2014, Summer 2015, Summer 2016, Summer 2017

MTH155, Calculus II, Oakland University, Winter 2014, Fall 2014, Winter 2015

MTH121, Linear Programming Elementary Functions, Oakland University, Fall 2013, Winter 2014, Winter 2017

APM541, Math Analysis for Engineers I, Oakland University, Fall 2012, Winter 2015, Fall 2015

APM255, Introduction to Differential Equations with Matrix Theory, Oakland University, Fall 2012, Fall 2016

APM405/505, Introduction to Biomathematics, Oakland University, Winter 2012

MA223, Introduction to Analysis, Purdue University, Fall 2006

MA153, Algebra and Trigonometry, Purdue University, Fall 2005

MA261, Multivariate Calculus, Purdue University, Spring 2005 (Recitation instructor)

MA262, Linear Algebra and Differential Equations, Purdue University, Fall 2004 (Recitation instructor)

Services

Guest editor

A special issue on "Multiscale modeling in epidemiology", *Mathematical Biosciences and Engineering*, 2023 (with Xueying Wang and Jin Wang)

A special issue on "Non-smooth Biological Dynamical Systems and Applications", *Mathematical Biosciences and Engineering*, 2019 (with Sanyi Tang and Yanni Xiao)

A special issue of *Journal of Coupled Systems and Multiscale Dynamics*, 2015 (with Eddie Cheng and Anna Spagnuolo)

A special issue on "Modelling in Infectious Diseases", *Journal of Biological Systems*, 2013 (with Maia Martcheva)

Review proposals

National Science Foundation (NSF) Mathematical Biology Panel

NSF CAREER Panel
NSF Incorporating Human Behavior in Epidemiological Models (IHBEM) Panel
NSF Mathematical Sciences Postdoctoral Research Fellowships (MSPRF) Panel
NSF Mathematical Sciences Graduate Research Fellowship Program (GRFP) Panel
National Institute of Health (NIH/ NIAID) Panel
Natural Sciences and Engineering Research Council (NSERC), Canada
New Frontiers in Research Fund (NFRF), Canada
Medical Research Council (MRC), UK
UK Research and Innovation (UKRI), UK
Engineering and Physical Sciences Research Council (EPSRC), UK
Wellcome Trust, UK
National Research, Development and Innovation Office (NKFIH), Hungary
United Arab Emirates University
University of Missouri Research Board
Louisiana Board of Regents' Research
University of Washington/Fred Hutch Center for AIDS Research (CFAR)
University of Cyprus

Review journal papers
Nature; Science Advances; PNAS; eLife; Nature Communications; PLoS Pathogens; PLoS Biology; PLoS Computational Biology; Journal of Hepatology; Proceedings of the Royal Society - B; Journal of the Royal Society Interface; Bulletin of Mathematical Biology; Mathematical Biosciences; Journal of Theoretical Biology; Journal of Mathematical Biology; Scientific Reports; Physical Biology; SIAM Journal on Applied Mathematics; PLoS ONE; AIDS Research and Human Retroviruses; Ecological Complexity; Journal of Biological Dynamics; Mathematical Medicine & Biology; Theoretical Population Biology; Journal of Biological Systems; Mathematical Biosciences and Engineering; Applicable Analysis; Discrete and Continuous Dynamical Systems-B; Journal of Mathematical Analysis and Applications; Nonlinear Analysis: Real World Applications; Involve, a Journal of Mathematics; International Journal of Biomathematics; Mathematical Population Studies; Mathematical Methods in the Applied Sciences; Applied Mathematical Modeling; Optimization and Engineering; Communications in Nonlinear Science and Numerical Simulation; Mathematics and Computers in Simulation; International Journal of Computational Mathematics; International Journal of Systems Science; International Journal of Neural Systems; IEEE Transactions on Biomedical Engineering; 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; Journal of the Franklin Institute; IEE Proc. Control Theory & Applications;

International Journal of Circuit Theory and Application; Asian Journal of Control; Neural Networks; Neural Processing Letters; Neurocomputing; Journal of Inequalities and Applications; Journal of Dynamic Systems, Measurement and Control; International Journal of Machine Learning and Cybernetics

Organizer

Session organizer (with Shasha Gao and Ling Xue), SMB Annual Meeting, KonKuk University, Seoul, Republic of Korea, June 2024

Session organizer (with Yanni Xiao and Mingwang Shen), SMB Annual Meeting, KonKuk University, Seoul, Republic of Korea, June 2024

Organizer (with Xia Wang, Liming Cai, Xinyu Song, Yuming Chen), Workshop on Mathematical Modeling and Analysis of Population Dynamics (virtual meeting), May 2021

Session chair, Modeling Within-host Dynamics of SARS-CoV-2, The COVID-19 Dynamics & Evolution Conference Series – Part 2 (virtual meeting), October 2020

Session organizer (with Xingfu Zou), SIAM/CAIMS Joint Annual Meeting, Toronto, Canada, July 2020

Session organizer (with Maia Martcheva and Necibe Tuncer), AMS Fall Southeastern Sectional Meeting, Gainesville, Florida, November 2019

Session organizer, The 5th International Conference on Computational and Mathematical Population Dynamics, Fort Lauderdale, Florida, May 2019

Session organizer (with Jorge Alfaro-Murillo), The 6th International Conference on Mathematical Biology, Beijing, China, June 2018

Session organizer (with Naveen Vaidya and Elissa Schwartz), The 2018 AMS Joint Mathematics Meetings, San Diego, California, January 2018

Session organizer (with Zhisheng Shuai and Andrew Nevai), The 11th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Orlando, Florida, July 2016

Co-Chair (with Eddie Cheng), Applied Mathematics Conference, Department of Mathematics and Statistics, Oakland University, Rochester, Michigan, September 2014

Session organizer, The 4th Conference on Computational and Mathematical Population Dynamics, Taiyuan, Shanxi, China, May 2013

Mathematical biology seminar, Department of Mathematics and Statistics, Oakland University, Rochester, Michigan, Fall 2011

Co-Chair (with Wen Zhang), SIAM Great Lakes Section 2011 Spring Meeting, Modeling and numerical PDEs in mathematical biology and applications, Oakland University, Rochester, Michigan, April 2011

Departmental service

At University of Florida
Steering Committee, 2018-2020
Chair of Tenure-Track Faculty Search Committee (position: Quantitative Medicine and AI), 2021-2022
Tenure-Track Faculty Search Committee, 2019-2020
Graduate Committee, 2018-2019, 2020-2023
Graduate Selection Committee, 2018-2023
Colloquium, Conferences, Visitors, and Travel Committee, 2018-2019, 2020-2021
Tenure and Promotion Committee, 2018-2020, 2022-2023
Chair of Visiting Assistant Professor Search Committee, Spring 2018
PhD Examination Committee, 2017-2018

At Oakland University
Faculty Search Committee, Winter 2016
Colloquium Committee Chair, 2013-2017
Webpage Update, 2012-2014
Graduate Adviser, 2012-2013
Committee on Undergraduate Programs, 2012-2013
Committee on Graduate Programs, 2010-2011
Colloquium Committee, 2010-2012

University and college service
At University of Florida
Marshal for the University Commencement Ceremony, December 2019
Marshal for the College's Commencement Ceremony, December 2018

Candidate to serve as a member of the Liberal Arts and Sciences Sabbatical Selection Committee for 2019-2020 and 2021-2022 (not selected)

At Oakland University
Panelist of NSF CAREER Discussion with STEM Faculty, April 2015
Panelist of STEM Workshop: Best Practices in Scientific Writing, March 2015
Deputy marshal for graduate commencement, April 2013, December 2013, April 2014
Deputy marshal for graduate commencement, December 2012
Marshal and escort for graduate commencement, December 2011
Pre-peer review for proposals to be submitted to NSF and other federal sponsors, November 2011
Poster judge, Biomedical Research Festival, April 2011, April 2012

PhD Dissertation Committee
At University of Florida
Summer Atkins, PhD student in Math. Major advisor: Maia Martcheva
Nicholas Sizemore, PhD student in Math. Major advisor: Jed Keesling
Johnathan Shane Welker, PhD student in Math. Major advisor: Maia Martcheva
Jesse Adamski, PhD student in Math. Major advisor: Calistus Ngonghala
Churni Gupta, PhD student in Math. Major advisor: Maia Martcheva
Mehrdad Alvandipour, PhD student in Math. Major advisor: Yunmei Chen
Chirantha Bandara, PhD student in Math. Major advisor: Maia Martcheva
Chi Ding, PhD student in Math. Major advisor: Lei Zhang

External Committee Member/ Thesis Examiner
Khagendra Adhikari, PhD in Mathematics, Major advisor: Kedar Nath Uprety and
    Naveen Vaidya, Tribhuvan University, Nepal
Ke Li, PhD in Mathematics and Statistics, Major advisor: James McCaw and
    Pengxing Cao, The University of Melbourne, Australia
Zviiteyi Chazuka, PhD in Applied Math, Major advisor: Marcia Moremedi,
    University of South Africa, South Africa
Xinqi Xie, Master in Math, Major advisor: Junling Ma, University of Victoria,
    Victoria, BC, Canada
Damilola Olabode, PhD in Math. Major advisor: Xueying Wang, Washington State
    University, Pullman, WA

At Oakland University
Fatma Alazzabi, PhD student in Electrical and Computer Engineering. Major
    advisor: Moh Zohdy
Ayman Ismail, PhD student in Electrical and Computer Engineering. Major advisor:
    Ganesan Subra
Bijoy Paul, PhD student in Mechanical Engineering. Major advisor: Keyu Li
Gholam Aghashirin, PhD student in Electrical and Computer Engineering. Major
    advisor: Andy Rusek
Mohamed Othman, PhD student in Electrical Engineering. Major advisor:
    Subramaniam Ganesan
Sherine Elakkad, PhD student in Electrical Engineering. Major advisor: Daniel Aloi
Rohollah Mazrae, PhD student in Electrical and Computer Engineering. Major
    advisor: Subramaniam Ganesan
Shirin Badiei, PhD student in Mechanical Engineering. Major advisor: Jia Li
Ali Alghamdi, PhD student in Engineering and Computer Science. Major advisor:
    Moh Zohdy

Ahmed Al-Muraeb, PhD student in Electrical Engineering. Major advisor: Hoda Abdel-Aty-Zohdy

Esayas Naizghi, PhD student in Engineering and Computer Science. Major advisor: Jia Li

Tri Doan, PhD student in Electrical and Computer Engineering. Major advisor: Subramaniam Ganesan

Mauricio Hernandez-Distancia, PhD student in Engineering and Computer Science. Major advisor: Moh Zohdy

Other Professional Service

Judge, The 68th State Science and Engineering Fair of Florida, Lakeland, Florida, April 2023

Conferences, Workshops, Seminars and Colloquiums

2024

Talk, SMB Annual Meeting, KonKuk University, Seoul, Republic of Korea, June 2024

Talk, AMS Sectional Meeting, Howard University, Washington, DC, April 2024

Talks, AMS Sectional Meeting, Florida State University, Tallahassee, Florida, March 2024

Keynote talk, SMSS Workshop on Analysis and Computation, University of Texas Rio Grande Valley, Edinburg, Texas, March 2024

Talk (virtual), National Center for Theoretical Sciences (NCTS) Seminar on Mathematical Biology, Taiwan, February 2024

Talk, JMM Meetings, San Francisco, California, January 2024

2023

The 2nd Annual University of Florida Virology Retreat, Gainesville, Florida, December 2023

The International Forum on Research Excellence (IFoRE) by Sigma Xi, The Scientific Research Honor Society, Long Beach, California, November 2023

Talk, AMS Sectional Meeting, Creighton University, Omaha, Nebraska, October 2023

Talk, The Future of STEM Club, Buchholz High School, Gainesville, Florida, August 2023

Talks, AMS Sectional Meeting, Georgia Institute of Technology, Atlanta, Georgia, March 2023

Talk, Shanks Workshop on Advances in Mathematical and Theoretical Biology (in honor of Glenn Webb's 80th birthday), Vanderbilt University, Nashville, Tennessee, March 2023

Talk, JMM Meetings, Boston, Massachusetts, January 2023

2022

The 1st Annual University of Florida Virology Retreat, Gainesville, Florida, December 2022

Talk, AMS Fall Southeastern Sectional Meeting, University of Tennessee at Chattanooga, Chattanooga, Tennessee, October 2022

Talk, SMB/ECMTB Annual Meeting, Heidelberg, Germany, September 2022

Talk (virtual), Mathematical Biology Seminar, Shanghai Normal University, Shanghai, China, June 2022

Talk (virtual), Canadian Within-Host Modelling Seminar Series, York University, Toronto, Canada, April 2022

Talks (virtual), JMM Meetings, April 2022

Lecture (virtual), Winter Camp for Undergraduate, School of Mathematics and Statistics, Henan University, Kaifeng, Henan, China, January 2022

Talk (virtual), Center for Applied Mathematics, Guangzhou University, Guangzhou, Guangdong, China, January 2022

2021

Panelist, Professional Development Mentoring Session, The 5th Workshop on Virus Dynamics, October 2021

Poster, The 5th Workshop on Virus Dynamics, October 2021

Talk, School of Mathematics and Statistics, Henan University, Kaifeng, Henan, China, June 2021

Panelist, AMS Math Research Communities Conference on Dynamics of Infectious Diseases, Organized by Lauren Childs, Olivia Prosper, Julie Blackwood and Suzanne Lenhart, June 2021

Lectures, School of Mathematics and Statistics, Xi'an Jiaotong University, Xi'an, Shaanxi, China, May 2021

Talk, University of Florida Chemistry Club, Gainesville, Florida, February 2021

Colloquium, Department of Mathematics, University of Louisville, Louisville, Kentucky, January 2021

Talk, The Joint Mathematics Meetings (virtual), January 2021

2020

Talks, School of Mathematics and Statistics, Xi'an Jiaotong University, Xi'an, Shaanxi, China, November 2020

Talk, School of Science, Nanjing University of Science and Technology, Nanjing, China, November 2020

Talk, Applied Math Seminar, Department of Mathematics, University of Alabama, Tuscaloosa, Alabama, November 2020

Talk, Applied Math Seminar, Department of Mathematics, California State University at Northridge, Northridge, California, November 2020

Colloquium, Department of Mathematics, University of Tennessee at Chattanooga, Chattanooga, Tennessee, October 2020

Talk, Center for Applied Math, Guangzhou University, Guangzhou, Guangdong, China, October 2020

Talk, AMS Fall Eastern Sectional Virtual Meeting (formerly at Pennsylvania State University), October 2020

Talk, University Math Society (UMS), University of Florida, Gainesville, Florida, September 2020

2019

Talk, AMS Fall Southeastern Sectional Meeting, University of Florida, Gainesville, Florida, November 2019

Talk, Math Biology seminar, Department of Mathematics, Virginia Tech, Blacksburg, Virginia, October 2019

Talk, Biomath seminar, Department of Mathematics, University of Florida, Gainesville, Florida, October 2019

Talk, Center for Statistics and Quantitative Infectious Diseases, University of Florida, Gainesville, Florida, September 2019

Talk, 2nd International Conference on Applications of Mathematics to Nonlinear Sciences, Pokhara, Nepal, June 2019

Lectures, CIMPA Summer School in Mathematical Biology, Kathmandu, Nepal, June 2019

Talk, The 5th International Conference on Computational and Mathematical Population Dynamics, Fort Lauderdale, Florida, May 2019

Talk, AMS Southeastern Sectional Meeting, Auburn University, Auburn, Alabama, March 2019

2018

Colloquium, Department of Mathematics, University of Miami, Coral Gables, Florida, December 2018

Talk, The Student Chapter of SIAM at UF, Gainesville, Florida, October 2018

Talk, The 8th Symposium of Science, Engineering and Biomedicine, Clearwater Beach, Florida, August 2018

Talk, The 12th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Taipei, Taiwan, July 2018

Talk, The 6th International Conference on Mathematical Biology, Beijing, China, June 2018

Talk, Biomath seminar, Department of Mathematics, University of Florida, Gainesville, Florida, March 2018

Talk, 42nd SIAM Southeastern Atlantic Sectional Conference (SEAS), Chapel Hill, North Carolina, March 2018

Talk, Workshop on host-pathogen dynamics, Mathematical Biosciences Institute, Ohio State University, Columbus, Ohio, February 2018

Emerging Pathogens Institute (EPI) Research Day, University of Florida, Gainesville, Florida, February 2018

Talk, The 2018 AMS Joint Mathematics Meetings, San Diego, California, January 2018

2017

Talk, Differential Equations in Mathematical Biology, The AMS Sectional Meeting, Orlando, Florida, September 2017

Biomath seminar talks, Department of Mathematics, University of Florida, Gainesville, Florida, August 2017

Talk, SIAM Annual Meeting, Pittsburgh, Pennsylvania, July 2017

Talk, Langenhop Lecture and SIU Mathematics Conference, Southern Illinois University Carbondale, Carbondale, Illinois, May 2017

Poster, Viral Dynamics: Past, Present, & Future, Santa Fe, New Mexico, May 2017

Talk, Department of Mathematics, University of South Carolina, Columbia, South Carolina, April 2017

Talk, AMS Western Sectional Meeting, Washington State University, Pullman, Washington, April 2017

Lecture, Engineering Biology Program, Oakland University, Rochester, Michigan, March 2017

2016

Talk, AMS Southeastern Sectional Meeting, North Carolina State University, Raleigh, North Carolina, November 2016

Talk, SIAM Central States Section Conference, University of Arkansas at Little Rock, Little Rock, Arkansas, October 2016

Talk, College of Mathematics and Statistics, Henan University, Kaifeng, Henan, China, August 2016

Talk, College of Mathematics and Information Science, Xinyang Normal University, Xinyang, Henan, China, August 2016

Talk, Department of Mathematics, Tongji University, Shanghai, China, July 2016

Talk, School of Mathematical Science, Fudan University, Shanghai, China, July 2016

Talk, School of Science, Nanjing University of Science and Technology, Nanjing, China, July 2016

Talk, The 11th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Orlando, Florida, July 2016

Colloquium talk and mathbio seminar talk, Department of Mathematics, University of Central Florida, Orlando, Florida, April 2016

Talk, Department of Mathematics and Statistics, Georgia State University, Atlanta, Georgia, March 2016

Visit and talk, Theoretical Biology and Biophysics Group and Center for Nonlinear Studies (CNLS), Los Alamos National Laboratory, Los Alamos, New Mexico, March - May 2016

Lecture, Engineering Biology Program, Oakland University, Rochester, Michigan, March 2016

Talk, AMS Joint Math Meetings, Seattle, January 2016

2015

Talk, The 5th International Conference on Mathematical Modeling and Analysis of Populations in Biological Systems (ICMA-V), University of Western Ontario, London, Ontario, Canada, October 2015

Department of Medicine, Loyola University Chicago, Chicago, September 2015

Second Workshop on Virus Dynamics, Fields Institute, Toronto, Canada, July 2015

Talk, SMB Annual Meeting, Atlanta, Georgia, June 2015

Talk, AMS Spring Southeastern Sectional Meeting, University of Alabama in Huntsville, Huntsville, Alabama, March 2015

Lecture, Engineering Biology Program, Oakland University, Rochester, Michigan, March 2015

2014

Talk, College of Mathematics and Information Science, Xinyang Normal University, Xinyang, Henan, China, August 2014

Talk, School of Mathematical Sciences, Renmin University of China, Beijing, China, August 2014

Talk, Annual Meeting of the SMB and Japanese SMB, Osaka, Japan, August 2014

Invited lectures, Summer School of Mathematical Biology, Xi'an Jiaotong University, Xi'an, Shaanxi, China, July 2014

Talk, Center for Computational Systems Biology, Fudan University, Shanghai, China, July 2014

Invited speaker, Mathematical Association of America (MAA) Section Meeting, University of Michigan - Flint, Michigan, May 2014

Talk, Emerging Pathogens Institute and Department of Mathematics, University of Florida, Gainesville, Florida, April 2014

Talk, AMS Southeastern Sectional Meeting, University of Tennessee in Knoxville, Knoxville, Tennessee, March 2014

Lecture, Engineering Biology Program, Oakland University, Rochester, Michigan, February 2014

2013

Talk, Advances in Mathematical Methods for Disease Modeling, AMS Central Sectional Meeting, Washington University, St. Louis, Missouri, October 2013

Colloquium talk, Department of Mathematics and Statistics, Oakland University, Rochester, Michigan, October 2013

Talk, Mathematical Immunology and Pathogen Dynamics Session, International Conference: AMMCS-2013, Waterloo, Ontario, Canada, August 2013

Visit, Theoretical Biology and Biophysics Group, Los Alamos National Laboratory, Los Alamos, New Mexico, August 2013

Talk, College of Sciences, Shanghai University, Shanghai, China, June 2013

Talk, School of Mathematical Sciences, Fudan University, Shanghai, China, June 2013

Talks, College of Mathematics and Information Science, Xinyang Normal University, Xinyang, Henan, China, June 2013

Talk, The 4th Conference on Computational and Mathematical Population Dynamics, Taiyuan, Shanxi, China, May 2013

Talk, College of Mathematics and Information Science, Shaanxi Normal University, Xi'an, Shaanxi, China, May 2013

Talk, School of Mathematics and Statistics, Xi'an Jiaotong University, Xi'an, Shaanxi, China, May 2013

Talk, School of Mathematics and Statistics, Southwest University, Chongqing, China, May 2013

Talk, SIAM Great Lakes Section 2013 Spring Meeting, Computational Mathematics: Modeling, Algorithms and Applications, Central Michigan University, Mount Pleasant, Michigan, April 2013

Talk, Centre for Disease Modelling, York University, Toronto, Canada, March 2013

Talk, University of South Carolina Beaufort, Bluffton, South Carolina, March 2013

Lecture, Engineering Biology Program, Oakland University, Rochester, Michigan, January 2013

Colloquium talk, Department of Mathematics and Statistics, University of Toledo, Toledo, Ohio, January 2013

Talk, Applied Analysis and Dynamical Systems Seminar, Department of Mathematics and Statistics, University of Toledo, Toledo, Ohio, January 2013

Talk, Disease dynamics 2013: Immunization, a true multi-scale problem, Pacific Institute for the Mathematical Sciences, Vancouver, British Columbia, Canada, January 2013

2012

Colloquium talk, Department of Mathematics and Statistics, Oakland University, Rochester, Michigan, November 2012

Colloquium talk, Physics/Theoretical divisions, Los Alamos National Laboratory, Los Alamos, New Mexico, November 2012 (for the 2012 Leon Heller Postdoctoral Publication Prize)

Colloquium talk, Department of Applied Mathematics, University of Western Ontario, London, Ontario, Canada, October 2012

Colloquium talk, Department of Mathematics, Central Michigan University, Mount Pleasant, Michigan, September 2012

Visit, Theoretical Biology and Biophysics Group, Los Alamos National Laboratory, Los Alamos, New Mexico, August 2012

Talk, SIAM conference on the life sciences, San Diego, California, August 2012

Visit, The National Institute for Mathematical and Biological Synthesis (NIMBioS), Knoxville, Tennessee, July 2012

Talk, SIAM annual meeting, Minneapolis, Minnesota, July 2012

Lectures, Rocky Mountain mathematics consortium summer school, Mathematical modeling in ecology and epidemiology, University of Wyoming, Laramie, Wyoming, June 2012

Lecture, Engineering Biology Program, Oakland University, Rochester, Michigan, February 2012

2011

Workshop on spatio-temporal dynamics in disease ecology and epidemiology, Mathematical Biosciences Institute, Ohio State University, Columbus, Ohio, October 2011

Talk, The third international conference on mathematical modeling and analysis of populations in biological systems, Trinity University, San Antonio, Texas, October 2011

Visit, Theoretical Biology and Biophysics Group, Los Alamos National Laboratory, Los Alamos, New Mexico, September 2011

Talk, Center for Computational Systems Biology, Fudan University, Shanghai, China, June 2011

Talk, The 5th international congress on mathematical biology, Nanjing University of Science and Technology, Nanjing, China, June 2011

Lecture, Engineering Biology Program, Oakland University, Rochester, Michigan, February 2011

Talk, SIAM mini-symposium on applications of difference and differential equations in ecology and epidemiology in the 2011 AMS Joint Mathematics Meetings, New Orleans, Louisiana, January 2011

2010

Poster, Mathematical modeling in population biology and epidemiology, 10th annual Red Raider mini-symposium, Texas Tech University, Lubbock, Texas, October 2010

Colloquium Talk, Department of Mathematics and Statistics, Oakland University, Rochester, Michigan, October 2010

Colloquium Talk, Department of Mathematics, University of Wyoming, Laramie, Wyoming, September 2010

The workshop on viral dynamics, Santa Fe Institute, New Mexico, August 2010

Talk, SIAM conference on the life sciences, Pittsburgh, Pennsylvania, July 2010

Visit, Theoretical Biology and Biophysics Group, Los Alamos National Laboratory, Los Alamos, New Mexico, May-August 2010

Talk, 2010 SIAM great lakes conference: modeling and numerical PDEs in mathematical biology, University of Michigan - Dearborn, Michigan, April 2010

Colloquium Talk, Department of Mathematics and Statistics, Oakland University, Rochester, Michigan, April 2010

HIV biology and pathogenesis, part of the keystone symposia global health series, Santa Fe, New Mexico, January 2010

Workshop on systems approaches in immunology: advances and challenges in multi-scale modeling, Santa Fe, New Mexico, January 2010

2009

Talk, The second international conference on mathematical modeling and analysis of populations in biological systems, Huntsville, Alabama, October 2009

Talk, School of Mathematical and Statistical Sciences, Arizona State University, Tempe, Arizona, October 2009

Poster, The 2009 workshop for young researchers in mathematical biology, Mathematical Biosciences Institute, Ohio State University, Columbus, Ohio, August 2009

Summer school on quantitative and computational immunology (hosted by Duke University and the Santa Fe Institute), Santa Fe, New Mexico, August 2009

Joint Los Alamos - State of New Mexico influenza workshop, Santa Fe, New Mexico, June 2009

Talk, The Ulam centennial conference, University of Florida, Gainesville, Florida, March 2009

Talk, Department of Mathematics, Case Western Reserve University, Cleveland, Ohio, February 2009

Talk, Center for Nonlinear Studies, Los Alamos National Laboratory, Los Alamos, New Mexico, January 2009

2008

Talk, Differential equations and applications in ecology and epidemiology (in honor of Horst Thieme), West Lafayette, Indiana, December 2008

Talk, Department of Mathematics, Purdue University, West Lafayette, Indiana, November 2008

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

Talk, The 7th AIMS international conference on dynamic systems, differential equations and applications, Arlington, Texas, May 2008

2007 and earlier

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

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

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