

COLLEGE OF SCIENCE AND MATHEMATICS

LINDA L. CHANG

Chemistry and Biochemistry Department
B.Sc. University of British Columbia
Ph.D. Massachusetts Institute of Technology

DR. CHANG began her career as a senior scientist at The Schering-Plough Corporation. She then moved to Merck Research Laboratories where she was a Senior Research Fellow, and Supervisor and Mentor of Associate Chemists. She has served as an adjunct professor and lecturer at Vassar College, County College of Morris, and most recently Ramapo College of New Jersey. Throughout her career she has focused on synthetic organic and medicinal chemistry research. She has published about her work in medicinal chemistry dealing with obesity, pain and asthma.

JERRY ALLEN FAILS

Computer Science Department
B.S. Brigham Young University
M.S. Brigham Young University
Ph.D. University of Maryland

DR. FAILS' research interests are in human-computer interaction (HCI). He is very involved in the design and development of children's technologies. As a research assistant at UMD, he has worked with partners including the National Park Service, Microsoft, Fisher Price, and Discovery. Mr. Fails has served as a teaching and research assistant at Brigham Young University, and as a research assistant and, most recently, Computer Science instructor at UMD. He has presented at conferences and workshops and participated in video tutorials, presentations and demonstrations.

EVAN FULLER

Mathematical Sciences Department
B.S. University of Texas, Austin
M.S. UC San Diego
Ph.D. UC San Diego

DR. FULLER recently completed his dissertation in Combinatorics within the world renowned Combinatorics Group at UC San Diego. His research interests are in professional development of math teachers involving content knowledge, student learning and pedagogy. He has made presentations on his work at the Mathematics Diagnostic Testing project conference and the Preparing Undergraduate Mathematics to Educate Teachers conference. He has taught a variety of mathematics education courses for graduate students. He has a strong disciplinary background and joins the department as Assistant Professor in Mathematics Education.

SUDIPTA RAKSHIT

Post Doctoral Scientist
Earth and Environmental Studies Department
B.Sc. University of Calcutta
M.Sc. University of Calcutta
M.S. Iowa State University
Ph.D. University of Kentucky

DR. RAKSHIT is most recently a post doctoral scholar at Lawrence Berkeley National Laboratory studying natural attenuation mechanism of uranium at the Savannah River Site in North Carolina. Prior to that, he completed a two-year postdoctoral at UC Berkeley. His research has focused on the Fe(III) bioreduction in the presence of humic substances, and abiotic interactions of Fe(II) species and N-cycles. His credits include three publications in the distinguished Soil Science Society of America Journal (SSSAJ). While a graduate student, he taught undergraduate soil laboratory courses. Dr. Rakshit maintains professional memberships with SSSAJ, the Agricultural Society of America, the Crop Science Society of America, and The American Geophysical Union.

VLADISLAV SNITSAREV

Biology and Molecular Biology Department
B.S. Moscow Physics and Technology
M.S. Moscow Physics and Technology
Ph.D. Bogomolets Institute of Physiology, Kiev, Ukraine

DR. SNITSAREV began his career as a research fellow and teaching assistant in the department of Pharmacology at Cambridge University, United Kingdom. His teaching experience spans biophysics, electrophysiology and data analysis. In 1998, he joined the department of Biological Sciences at the University of Iowa as a research associate. In 2000 he moved to the Department of Internal Medicine as an Assistant Research Scientist and was most recently a Research Associate in the Department of Pharmacology & Physiology at UMDNJ. Dr. Snitsarev has an impressive list of publications in peer reviewed journals, abstracts and conference proceedings. He has presented numerous seminars and talks at local and national meetings.

HAIYAN SU

Mathematical Sciences Department
B.S. Peking University
M.S. Syracuse University
Ph.D. University of Rochester

MS. SU is a recent graduate of the University of Rochester where she began as a teaching assistant in 2004, and has since worked on numerous research projects within biostatistics and computational biology. Her research interest lies in flexible methods for complex data and how to gain better inferences. She has been a statistical consultant to the Department of Biostatistics and Computational Biology, providing data analysis to researchers in the URM, since 2004. She is the co-author of 9 articles. Prior to her graduate study, Ms. Wu worked for four years as a Product Manager at Peking University Founder Group. She joins the department as an assistant

professor in biostatistics.

ASHUWIN VAIDYA

Mathematical Sciences Department

B.S. University of Pittsburgh

M.S. University of Pittsburgh

Ph.D. University of Pittsburgh

DR. VAIDYA joins CSAM as an Assistant Professor of Physics. His research focus is in applied mathematics, specifically in the applications of fluid mechanics. After obtaining his doctorate in 2004, he held a series of postdoctoral fellowships at Carnegie Mellon University, Florida State University and most recently at UNC Chapel Hill. He has taught a variety of undergraduate courses in mathematics, physics and engineering. He has 15 published articles with several in preparation and presented at numerous professional conferences. Dr. Vaidya is a member of the American Mathematical Society, the Society of Industrial and Applied Math, and the American Physical Society.

MICHAEL P. WEINSTEIN

Acting Director Institute for Sustainability Studies

B.A. Hofstra University

M.S. Rutgers University

Ph.D. Florida State University

DR. WEINSTEIN is the most recent President & CEO of the New Jersey Marine Sciences Consortium (NJMSC), and Director, New Jersey Sea Grant College Program. His research interests span coastal and salt marsh ecology, sustainability science, secondary production, restoration ecology, and ecotoxicology. His publication record includes 45 peer-reviewed journal articles, book chapters, and edited texts. He has served on National Research Council Committees, an NCEAS Working Group, the US-Japan CEST Panel, the US-China Initiative in Sustainable Development, the Governor's Dredged Material Management Team, and currently serves on the Governor's Tourism Advisory Council as New Jersey's Ecotourism representative. Among the awards and recognitions he has received, was as Educator of the Year by the Research & Development Council of NJ, and the Governor's Environmental Excellence Award for NJMSC's Habitat Initiative. Dr. Weinstein maintains appointments on numerous advisory and editorial boards.

MEIYIN WU

Biology and Molecular Biology Department

B.S. Chinese Cultural University, Taiwan

M.S. Washington State University

Ph.D. Washington State University

DR. WU is an Aquatic Ecologist whose primary focus is on the ecology and management of aquatic ecosystems, particularly coastal marsh, water and wetlands utilizing various restoration techniques to improve habitat quality. She has many years experience directing research projects and administering grant activities, and has developed and implemented habitat monitoring and

restoration projects. Her background includes many years in classroom and laboratory teaching, including training science educators. She has held positions as associate and assistant professor at SUNY Plattsburgh since 2000. She has a successful record in obtaining grants, 14 articles in referred journals, contributed to two books and has a pending patent.

DINA YANKELEWITZ

Mathematical Sciences Department

B.S. Touro College

Ed.M. Touro College

Ed.D. Rutgers University

MS. YANKELEWITZ comes to MSU from Rutgers University where she was a lecturer and currently a graduate researcher. Her research focus is in effective modes mathematical reasoning and argumentation of both teachers and students. Her dissertation dealt with the development of mathematical reasoning in elementary school students' exploration of fraction ideas. She has actively participated in and presented at national and international conferences and has contributed chapters to books mathematics education.