Class of 2011-2012: New tenured/tenure-track faculty joining Oregon State University

COLLEGE OF AGRICULTURAL SCIENCES

Department of Botany and Plant Pathology

Frank Andrew Jones (Andy) is a plant ecologist. His research focus is understanding the ecological and evolutionary mechanisms responsible for the origin and maintenance of species diversity, particularly in forest communities. His expertise spans population and community ecology, population genetics, and comparative phylogenetics. He obtained his PhD at the University of Georgia, and held post-doctoral positions at the Smithsonian Tropical Research Institute in Panama and Imperial College London, Silwood Park. Dr. Jones is a member of the Department of Botany and Plant Pathology, and he will teach undergraduate and graduate courses in Botany and Plant Ecology.

Department of Biological and Ecological Engineering

Chad Higgins started his position in the Department of Biological & Ecological Engineering at OSU Sept 1, 2011 as an Assistant Professor examining water use and dynamics in the environment generally, and agricultural systems specifically. Prior to coming to OSU, he was a research associate and lecturer at the Swiss Federal Institute of Technology in Lausanne, Switzerland (EPFL). He began his undergraduate studies in the department of Biological and Environmental Engineering at Cornell University. After graduation, he moved to Johns Hopkins University, where he completed a Masters in Mechanical Engineering followed by a Ph.D. in Environmental Engineering in 2007. During his time in Switzerland, he has used Raman Lidar and Large Eddy Simulation to track the movement of water vapor in the atmosphere to improve the formulation of evaporation in water.
Robert Zemetra heads OSU's internationally recognized wheat variety development program. Zemetra, who has a doctoral degree in agronomy from Colorado State University, previously was a professor of plant breeding and genetics at the University of Idaho. At the University of Idaho, Zemetra served as division chair of Crop and Weed Sciences and oversaw the northern Idaho Extension variety testing program for cereals and legumes. In his 26+ years, Zemetra has secured more than $5.3 million in grants and external research funding. In 2007, he received the Distinguished Service Award from the Idaho Wheat Commission. He developed Brundage 96, a variety that led to expanded domestic and international markets for southeastern Idaho wheat growers. Aside from developing winter wheat varieties, Zemetra's research has focused on applied biotechnology, including work related to disease resistance. He is currently working on a study of the potential for gene migration of herbicide resistance genes into jointed goatgrass, a weed contaminating wheat fields in the Western United States.

Department of Horticulture

Ramesh Sagili is a honey bee research and extension faculty in the Department of Horticulture at Oregon State University. He obtained his PhD in Entomology from Texas A&M University in 2007. He has a bachelors and a Masters degree in Agriculture from A.P. Agricultural University, India. His primary research focus is honey bee health, nutrition and pollination. His research has been published in leading journals such as Behavioral Ecology and Sociobiology, Naturwissenschaften, Journal of Insect Physiology and Journal of Economic Entomology. His appointment also includes extension and hence he works closely with the state stake holders i.e. both beekeepers and producers. His goal is to establish a vibrant and dynamic honey bee research and extension program at OSU that will cater the needs of beekeepers and producers.

Yan Wang, postharvest physiologist, joined MCAREC in College of Agricultural Sciences as an assistant professor in the fall of 2011. The overall objective of his research program in MCAREC is (1) to better understand pre- and postharvest physiology and biochemistry and the influence of pre- and postharvest factors on fruit quality and disorders and (2) to develop and improve treatments and storage technologies to preserve and enhance fruit quality, lengthen marketability, reduce postharvest disorders of perennial fruit with primary emphasis on pears and sweet cherries. Prior to OSU, he had been worked for JBT FoodTech as a postharvest physiologist servicing the postharvest industries of citrus, stone fruit, and tropical
Ryan Limb is a graduate of Oklahoma State University where he conducted research on Disturbance ecology. He completed his undergraduate degree in Ecology at Montana State University in Bozeman and his Master's degree in Animal and Range Sciences at North Dakota State University in Fargo. He is excited to be surrounded by mountains once again after spending a number of years in the flat Midwest. Dr. Limb has published research related to plant community succession, fire effects, woody encroachment and conservation practices for sustainable land management. His academic home is in the Department of Rangeland Ecology and Management and is affiliated with the Eastern Oregon Ag and Natural Resource Program in La Grande. He looks forward to teaching classes in Range Management, Plant Identification and Restoration Ecology.

Jeewon Cho is an assistant professor of the College of Business at Oregon State University. She earned her Ph.D. (Organizational Behavior) in the School of Management at State University of New York (SUNY) at Buffalo. Her research interests include Leadership Processes at Multiple Levels of Analysis, Organizational Justice, Social Identity and Identification in Organizations and Interdisciplinary Works. Her research has been published in leading journals, such as the Leadership Quarterly, Journal of Management, Group and Organization Management, Decision Support Systems, Information and Management, European Journal of Work and Organizational Psychology, and Journal of Leadership and Organizational Studies. Her teaching interests include Leadership and Team Building, and Organizational Behavior. Prior to her doctoral study, she worked at two prestigious research institutes in Korea for five years.

Keith Leavitt is an Assistant Professor of Management in the College of Business. Prior to OSU, he spent two years as an assistant professor at the Center for the Army Profession and Ethic, at WestPoint. He received his Ph.D. (Organizational Behavior) from the University of Washington. His primary research includes behavioral ethics/workplace malfeasance, social/relational identity and situated judgment, gender and racial parity, implicit (non-
conscious) cognition, and research methods/epistemology. His research has appeared in the Academy of Management Journal, the Journal of Applied Psychology, Organizational Research Methods, and the Journal of Organizational Behavior. His work has been featured in the New York Times, the Boston Globe, The Chicago Tribune, the Globe & Mail (Canada), and Forbes Magazine (India edition).

Jiyao Chen is an Assistant Professor of Innovation Management in the College of Business. Prior to OSU, he was a research associate at the Center for Research in Technology and Innovation, Kellogg School of Management. His Ph.D. (Technology Management) was earned at Stevens Institute of Technology. His primary research interests include business innovation, new product development, time-based strategy, and sustainability. His research has appeared in the Journal of Operations Management, Journal of Product Innovation Management, and IEEE Transactions of Engineering Management. He serves as a member of the editorial review board of Industrial Marketing Management. Recently, he has been awarded a research grant on public sector innovation.

Alex Vestal is an Assistant Professor of Technology Management in the College of Business. He earned a Ph.D., M.B.A., and a B.S. in Electrical Engineering from the University of Central Florida. He currently teaches New Venture Management. His research examines the effects of geographic clustering on the inventiveness of nanotechnology research firms. Prior to obtaining his Ph.D., he worked as a senior engineer in various roles with Progress Energy Florida.

Todd Moss is an Assistant Professor of Strategy and Entrepreneurship in the College of Business. He recently received his Ph.D. from Texas Tech University. He teaches Integrative Strategic Experience and Advanced Strategic Management. His research has been published in Entrepreneurship Theory and Practice, Strategic Entrepreneurship Journal and Small Business Economics. Before pursuing his Ph.D. Todd worked in industry at Ford Motor Company.
Pauline Schilpzand is an Assistant Professor of Project Management in the College of Business. Her Ph.D. in Organization Behavior comes from University of Florida. Her research interests include courage in workplace settings; employee selection; international management; leadership. Prior to OSU Pauline was an assistant professor at the Center for the Army Profession and Ethic, at WestPoint.

Bin Zhu is an Assistant Professor of Business Information Systems in the College of Business. Prior to OSU she was an assistant professor at Boston University. She earned her Ph.D. in Management Information Systems from University of Arizona. Her current research interests include business intelligence, information analysis, social network, human-computer interaction, information visualization, computer-mediated communication, and knowledge management systems. She has been a lead author for papers that have appeared in Information Systems Research, Decision Support Systems, Journal of the American Society for Information Science and Technology, IEEE Transaction on Image Processing, and D-Lib Magazine. Her research also received an IBM faculty award. Her teaching interests are business intelligence; database analysis and design; telecommunication; web technology; business programming; data structure and algorithms; e-commerce; information security/assurance; management information systems.

Yusoon Kim is an Assistant Professor of Operations and Supply Chain Management in the College of Business. He earned his Ph.D. from Arizona State University and joins us after many years in academics and industry. His research has been published in Journal of Supply Chain Management and Journal of Operations Management. His research focus is on building on such research areas as buyer-supplier relationships, supply network structures and design, supply chain management strategy, organizational innovation through applying various organization- and network-level theories. Prior to OSU, Yusoon was an assistant professor at Georgia Southern University, Statesboro GA.
Amy Stokes is an Assistant Professor of Marketing in the College of Business. Her Ph.D. in Marketing was recently earned from University of Arkansas. Research interests include consumer behavior, symbolic interaction, identity construction, and fashion; consumer confusion and trademark infringement. Her work has been published in journals and conference proceedings.

Lisa Eiler is an Assistant Professor of Accounting in the College of Business. She spent two years on the faculty at CSU Fullerton prior to coming to OSU. She earned her Master's and Ph.D. in Accounting from the University of Oregon. Her research interests include taxes, disclosure, governance, and cross-border mergers and acquisitions. Her work has been published in the National Tax Journal.

Isho Tama-Sweet is an Assistant Professor of Accounting in the College of Business. Isho earned his PhD in Accounting from the University of Oregon, and also holds an MBA from the University of California, Davis and a BA from Cornell University. His research interests include narrative disclosure, compensation, financial reporting and international accounting, and he has a forthcoming publication in Contemporary Accounting Research. Isho joins us after two years on the faculty at CSU Fullerton.

COLLEGE OF EDUCATION
SueAnn I. Bottoms joins the faculty of the College of Education after having served as department chair in Teacher and Counselor Education in the same college for the past three years. Before coming to OSU she worked as a biologist for the U.S. Forest Service and later as a classroom science teacher in small rural schools. She arrived at OSU in 2000 to work with The Science and Mathematics Investigative Learning Experiences (SMILE) program. Her extensive work in science and mathematics teachers' professional development and the role of scientist in the professional development of teachers lead to her doctoral work in science education. Her research currently focuses on partnerships and collaborations between science teachers and scientists.

Mark Fermanich completed his M.A. in Public Administration and his Ph.D. in Educational Leadership and Policy Analysis at the University of Wisconsin, Madison. He earned an undergraduate degree in Political Science from the University of Wisconsin Oshkosh, where he graduated cum laude and was elected to Phi Beta Kappa. Dr. Fermanich has conducted policy research and evaluation at the Center for Education Policy Analysis at the University of Colorado Denver and the Consortium for Policy Research in Education at the University of Wisconsin Madison in the areas of education policy, finance, and reform. He has advised and provided technical assistance to state and local education policymakers and has taught graduate courses at the University of Colorado Denver, Sonoma State University and the University of California Davis. He has numerous journal articles in the Journal of Education Finance, as well as other education policy journals. Dr. Fermanich will be teaching courses in Education Policy (Teacher Education) and Educational Finance (Community College Leadership).

COLLEGE OF ENGINEERING

School of Chemical and Environmental Engineering

Dan Euhus is an Associate Professor of Chemical Engineering at Oregon State University and a licensed Professional Engineer in the states of Texas and Oregon. Dr. Euhus' research focuses on Biomass to Energy and specifically Biomass to Transportation Fuels technology development. His research interests are in both the science and the engineering of taking biomass and converting it to drop-in petroleum replacement fuels. Dr. Euhus joined the faculty at Oregon State after almost 8 years in industry and has worked in both pulp and paper and the energy...
industry with experience in both operations and R & D. In the energy industry, Dan's most recent assignment before joining Oregon State was as project manager for a biofuels pilot unit developed by Chevron and Catchlight Energy. Dr. Euhus also focuses on commercialization of new process technology and consults both in the biofuels arena and with companies developing new process technology and the commercialization of that technology.

School of Civil and Construction Engineering

**Ben Mason** is a recent graduate of University of California at Berkeley. He received a MS and PhD from the University of California at Berkeley and a BS from the Georgia Institute of Technology. Dr. Mason's primary field of interest is geotechnical earthquake engineering. His interests within this field include soil-foundation-structure interaction, seismically-induced ground deformations, and cyclic mobility of intermediate soils. Additionally, he is interested in the multi-disciplinary field of urban earthquake engineering. Ben previously worked for the National Aeronautics and Space Administration at the Kennedy Space Center.

**Arturo Leon** is an Assistant professor in the School of Civil and Construction Engineering at Oregon State University in the area of Water Resources Engineering. Arturo received his Ph.D. from the University of Illinois at Urbana-Champaign in May 2007. His areas of research include Transient flows, Real-time control of complex hydraulic systems, Computational Fluid Dynamics (CFD), Flood control and physical modeling of hydraulic structures. Arturo has developed various models, among them the open source code Illinois Transient Model (ITM), the Illinois Hydraulic Conveyance Analysis Program (ICAP), the Street Flooding Model (SFM) and OSU Rivers. His open source ITM model was used for the analysis of combined sewer systems in the United States of cities like Chicago and Dallas and currently is being used in countries such as New Zealand and Mexico. OSU Rivers is intended for the intelligent control of complex regulated river systems, such as those that have multiple reservoirs, have multiple objectives and in which the flow dynamics of the system is of particular interest.
School of Electrical Engineering & Computer Science

Alan (Xiaolong) Wang has joined the Electrical Engineering and Computer Science Faculty as an Assistant Professor. Alan will teach ECE-599 Micro- & Nano- Photonic Technology in the Fall of 2011. Alan most recently worked as a Chief Research Scientist at Omega Optics Inc. He received his Ph.D. in Electrical and Computer Engineering, from the University of Texas at Austin, Austin, TX in 2006. He holds a M.S. in Engineering, in Solid State Electronics, from the Institute of Semiconductors, Chinese Academy of Sciences, Beijing, China and a B.S. in Engineering, Materials Science and Engineering, Tsinghua University, Beijing, China. He and his family moved to Corvallis from Houston area in Texas. Alan loves outdoor activities such as hiking, backpacking and photography.

School of Mechanical, Industrial, & Manufacturing Engineering

Roberto Albertani, Associate Professor in Mechanical Engineering, is a recent Research Associate Professor in the School of Mechanical, Industrial and Manufacturing Engineering at OSU. He received his Ph.D. in aerospace and mechanical engineering from the University of Florida in 2005. Previously, he spent 22 years in industry in various capacities including aerodynamicist for aircraft advanced design, wind turbine chief designer, project manager and engineering director supporting the design and production of composites wind turbine blades, mine hunters, luxury mega-yachts, and racing sailboats. Dr. Albertani also served as field scientist for the XXVIII America's Cup Italian Challenge and support scientist for Italy's 1996 Olympics sailing team. His current research includes projects in unsteady flight mechanics and bio-inspired wing design with the associated evolution to the design and manufacturing of operational vehicles.

Ravi Balasubramanian, Assistant Professor in Mechanical Engineering, is coming off of recent stints as an Associate Research Scientist in the Department of Mechanical Engineering at Yale University and a Postdoctoral Research Associateship in the Department of Computer Science and Engineering at the University of Washington. He has also worked at Intel Labs in Seattle on transferring human skills to robotic manipulators. Dr. Balasubramanian completed his Ph.D. in Robotics at Carnegie Mellon University in 2006. His research has discovered novel design and control techniques that enable robots to adapt to unstructured
environments. In particular, Dr. Balasubramanian is pursuing natural human-robot interaction with applications to prosthetics using neural signals.

**Alex Greaney**, Assistant Professor in Mechanical Engineering, comes to OSU after a Senior Postdoctoral Associate position in the Department of Materials Science and Engineering at the Massachusetts Institute of Technology and a Postdoctoral Fellowship in the Center of Integrated Nanomechanical Systems at the University of California-Berkeley. He received his Ph.D. in Materials Science and Engineering from U.C. Berkeley in 2003. Dr. Greaney's research interests involve understanding and exploiting nanomechanical phenomena to develop a theoretical understanding of mechanical behavior at the nanoscale and its influences on growth, morphology and structure-property relationships of nanoscale materials - in particular as it relates to thermal transfer. Dr. Greaney is one of the Provost Initiative hires.

**Chris Hoyle**, Assistant Professor in Mechanical Engineering, is a recent Postdoctoral Researcher in the School of Mechanical, Industrial and Manufacturing Engineering at OSU. He received his Ph.D. in Mechanical Engineering at Northwestern University in 2009. He previously spent 14 years in the manufacturing and automotive fields as a design engineer and program manager and has interned at NASA Ames Research Center. Dr. Hoyle's research is in the area of decision-based design where uncertainty, risk and values of the decision maker must be considered in the decision process. Dr. Hoyle's current focus is on guiding proper decision making in complex systems design, integrated system health management and advanced vehicle design.
Wade Marcum is an Assistant Professor in the Department of Nuclear Engineering & Radiation Health Physics. He holds a B.S. in Mechanical Engineering (2006), M.S. in Nuclear Engineering (2008), and a Ph.D. in Nuclear Engineering (2010) from Oregon State University. His research interests include nuclear reactor thermal hydraulics, computational fluid dynamics, reactor safety, flow induced vibration, fluid structure interactions, and advanced reactor design.

Arijit Sinha completed his undergraduate degree in Civil Engineering from Delhi University in India and then moved to Corvallis to pursue graduate studies. Dr. Sinha is a recent graduate from Oregon State University with a dual major in Wood Science and Civil Engineering. His research has combined wood science and civil engineering to characterize multi-scale performance and response of structural components and composite materials under various loading scenarios using experimental mechanics and numerical simulations. His work has been recognized nationally with several awards. Dr. Sinha has published his work in leading journals in the field. As one of the Provost Initiative hires in the College of Forestry, Dr. Sinha's home will be in the Dept. of Wood Science and Engineering and he will be developing and leading research program on Green Building Materials and Engineering, and teaching courses in Green Building Design, and Sustainable use of renewable materials in engineering applications.

Lei Xue joins the Department of Art by way of the College of William and Mary, as the new Asian Art Historian. Dr. Xue graduated with an M.A. and Ph.D. in Art History from Columbia University. Prior to coming to the states, Lei Xue taught at Beijing Normal University, China's top "teachers college," where he developed pedagogical skills and a passion for teaching. His
research and teaching interests include: Chinese, Japanese and Asian art; theory and history of Chinese calligraphy; early Daoist visual and material culture; and, the study of monument and cultural memory. Dr. Xue is looking forward to teaching courses not only in early and late Chinese painting, Storytelling in Chinese Art and Contemporary Asian Art as it relates to issues of globalization, national identity and Diaspora outside of Asia.

Department of Music

**Jason "Jay" Silveira** is an Assistant Professor of music education at Oregon State University. He received his Bachelor of Music and Masters of Music degrees in music education from Ithaca College in Ithaca, NY. Dr. Silveira is a recent graduate from Florida State University where he received his Ph.D. in Music Education. While at Florida State, he taught courses in music research, music education, instrumental methods, and instrumental conducting. Currently, Dr. Silveira teaches graduate and undergraduate classes in the Professional Music Teacher Education program, and also conducts the Wind Symphony and Trombone Choir at Oregon State University. His research interests include perceptions of teacher effectiveness and teacher evaluation and preparation. He has presented research at several venues, including the Texas Music Educators Association Conference, the American Music Therapy Association Conference, the Desert Skies Symposium on Research in Music Education, and has been published in *Contributions to Music Education*. Dr. Silveira has also served as guest clinician/conductor throughout New York and New England. Prior to his appointment at OSU, Dr. Silveira taught instrumental music in the state of Rhode Island, and twice received citations from the governor for promoting excellence in music education. While teaching in Rhode Island, his groups frequently performed at state, regional, and national festivals.

Department of Speech

**Gerald Voorhees** earned his Ph.D. in Communication Studies from The University of Iowa. His appointment as an Assistant Professor of Media and Cultural Studies is shared by the Department of Speech Communication and the New Media Communications program. His areas of expertise include critical-cultural studies of media and popular culture, the intersection of identity, agency and cultural difference in digital games and new media, and contemporary rhetorical theory and criticism. He is editing two books; Dungeons, Dragons and Digital Denizens: The Digital Role-playing Game will be out February 2012 and Guns, Grenades and Grunts: The First-person
Shooter will be out Fall 2012. Dr. Voorhees will be teaching courses in the theory and criticism of rhetoric, new media and digital games.

Proposed School of History, Philosophy, and Religion

Department of History

**Kara Ritzheimer** completed her PhD in Modern European History at Binghamton University in 2007. She has been a Visiting Assistant Professor in the History Department at Oregon State University since 2007, where she has taught a wide range of general survey and upper-division courses in European and women's history. Her research focuses on consumerism, censorship, and questions of regional and national identity in early twentieth century Germany. She is currently revising her dissertation into a book manuscript, *Battling Buffalo Bill: Anti-'Trash' Activism and Censorship Policy in Early 20th Century Germany*. An article examining consumerism, film censorship, and shifting gender norms in interwar Germany will be in the forthcoming collection, *Consuming Modernity, Changing Gendered Behaviours and Consumerism, 1919-1940*.

Department of Philosophy

**Allen Thompson** comes to OSU after five years as an assistant professor of philosophy at Clemson University where he worked with the Restoration Institute, the Rutland Institute for Ethics, and the doctoral program in Planning, Design, and the Built Environment. As an undergraduate he studied at The Evergreen State College, in Olympia WA, before taking his MA and PhD from the University of Washington, in Seattle. His primary areas of interest are environmental philosophy (including ethics, metaphysics, and aesthetics), philosophical ethics, social and political philosophy, and practical reason. Recent publications have focused on forward-looking conceptions of human natural goodness and re-visioning our moral responsibility for managing ecosystems under conditions of global climate change. Links to some of his publications can be found at his webpage: [http://people.oregonstate.edu/~thompsoa/](http://people.oregonstate.edu/~thompsoa/). Thompson was hired under the Provost's Faculty Investment Initiative in the School of History, Philosophy, and Religion where he will contribute to projects in OSU's "Sustainable Earth Ecosystems” signature area and work closely with the Environmental Humanities Initiative.
Lisa Leimar Price taught at Wageningen University in The Netherlands from 1997-2011, where her research focused on food systems and agricultural knowledge. She also previously worked as Senior Scientist at the International Rice Research Institute in the Philippine. Dr. Price earned a PhD in Anthropology from the University of Oregon, an MA in Anthropology from the University of Kentucky, and a BA in Anthropology from the University of Oregon. Her most recent publications examine intersections between food systems and HIV/AIDS in Africa. Her tenure home is in Anthropology in the School of Language, Culture, and Society, where she will offer courses on food and social justice that will be cross-listed in Women Studies and Ethnic Studies. As a Tenured Faculty Diversity Initiative (TFDI) hire, Dr. Price will also enhance the School's emphasis on enhancing the climate for diversity at OSU.

Mehra Shirazi, who earned a PhD in Public Health from OSU in 2006, will join the Women Studies faculty in the School of Language, Culture, and Society as a Provost's Initiative hire in the area of race/ethnicity, gender, and health. Dr. Shirazi has been an instructor in Women Studies since 2006, and from 2007-2009 she was a postdoctoral fellow in the School of Public Health at the University of California, Berkeley. Her current research focuses on breast cancer screening among Afghan women immigrants. Her most recent publication is a chapter on "Politics of Women's Health" in Women Worldwide: Transnational Feminist Perspectives on Women. In 2005, she was named a Woman of Achievement by the OSU Women's Center.

Alison Johnston is a recent graduate of the London School of Economics where she did research on European Political Economy. She completed her undergraduate degree in Economics at the University of Washington and is excited to be back in the Pacific Northwest. Dr. Johnston has published research related to welfare state reconfiguration, wage inflation in the EU, and the cost of higher education funded through loans. You can see that paper, "Interest Subsidies on Student Loans: A Better Class of Drain" at http://cee.lse.ac.uk/cee%20dps/ceedp114.pdf. As one of the Provost Initiative hires in the School of Public Policy, Dr. Johnston's home will be in the Political Science program and she will be teaching courses for Economics (Public Economics),
Political Science (Politics of Western Europe and other topics in comparative politics), and Sociology (Analytic Methods). Alison enjoys running and sports, looks forward to cycling in Corvallis, and describes herself as an avid cook (although she claims that some question the quality....) We are excited to welcome this interdisciplinary scholar and teacher to the new School of Public Policy and to OSU.

Jennifer Sykes is a 2011 graduate of Harvard University in Sociology & Social Policy. She completed a Master's degree in Social Policy and Social Work at the University of York in Great Britain. While at Harvard, she received many honors and fellowships including a Certificate of Distinction in Teaching. Dr. Sykes has published research related to child and family welfare and is currently examining the impacts of tax policy on parenting. As one of the new hires in the School of Public Policy, Dr. Sykes' home will be in the Sociology program and she will be teaching courses for Sociology (Sociology of the Family) and a core course in the graduate policy program (Policy Analysis). Jennifer enjoys traveling, reading, birding and vegetarian cuisine. We are excited to welcome this interdisciplinary scholar and teacher to the new School of Public Policy and to OSU.

Brett Burkhardt recently graduated from the University of Wisconsin-Madison with a degree in sociology. He did his undergraduate work at Linfield College in McMinnville and is excited to be returning to the Pacific Northwest. Dr. Burkhardt is currently researching the growth of private prisons and jails in the United States. His previous work addressed felons' post-prison labor market opportunities and states' policies regarding ex-felons' voting rights, as well as an experimental pilot program aimed at increasing child support payments among non-custodial parents. Dr. Burkhardt's home will be in the Sociology program and he will be developing courses to support a new concentration in both Sociology and the Policy Graduate program related to law and crime policy. He enjoys skiing, biking, gardening, and playing ultimate frisbee. We are excited to welcome this interdisciplinary scholar and teacher to the new School of Public Policy and to OSU.
Todd Pugatch received his Ph.D. in Economics from the University of Michigan in 2011, with an undergraduate degree from the University of North Carolina – Chapel Hill. Dr. Pugatch is currently working on questions related to youth unemployment in South Africa, and the effect of Mexican immigration on labor markets in the US. His scholarly interests and expertise spans labor markets, education, and migration in developing countries, and will be of great interest to the increasing number of students in the School of Public Policy working on international issues. Dr. Pugatch's home will be in the Economics program and he will be developing and teaching courses for the program as well as the International concentration in the policy graduate program. Dr. Pugatch enjoys playing recreational sports, especially softball, and his mood is excessively affected by the fortunes of his hometown Boston Red Sox. We are excited to welcome this interdisciplinary scholar and teacher to the new School of Public Policy and to OSU.

Proposed School of Psychological Science

Department of Psychology

Kathy Becker-Blease graduated in 2002 from the University of Oregon with a degree in Developmental Psychology. Dr. Becker-Blease then completed a National Institute of Mental Health post-doctoral fellowship at the Crimes Against Children Center/Family Research Lab at the University of New Hampshire. While there, Dr. Becker-Blease worked on national surveys of child victimization. She also was the director of a 3-year grant examining the health care needs of foster children. Before joining Oregon State University, Dr. Becker-Blease taught at Washington State University Vancouver. Dr. Becker-Blease's research interests include child trauma, and ethical research and teaching about sensitive topics, including abuse and trauma. In the Psychology Department, Dr. Becker-Blease teaches Introductory Psychology, Human Development, Developmental Psychopathology, and Clinical Research Methods.

Teri Lewis received her Ph.D. at the University of Oregon in 1998. Her research focuses on the application of applied behavior analysis at the school-wide, classroom, and individual student level and the use of FBA procedures in school settings. Currently, Dr. Lewis is an assistant professor at Oregon State University, where she teaches undergraduate and graduate level psychology courses. Additionally, Dr. Lewis was a founding member and first President of the Evidence-Based Practices Special Interest Group for the Association of Behavior Analysis International and on the program advisory board for the Wing Institute on Evidence-based Practices. Dr. Lewis has been Director or Co-Director for several grants with budgets totaling approximately $1,600,000. Dr. Lewis worked as an educational and behavioral consultant for
students with severe behavior challenges. This work allowed her to gain direct experience with students of all ages with a variety of disabilities. In addition, she was able to gain experience with consultation, behavioral assessment, and intervention development and implementation with students in public and non-public schools. While working as a consultant, Dr. Lewis was promoted to an administrative position that afforded her the opportunity to supervise consultation staff, develop and oversee data based systems, negotiate with school districts, and work as part of an administrative team.

Proposed School of Writing, Literature, and Film

Department of English

Meghan Freeman recently received the Ph.D. in English from Cornell University; she holds a BA from Williams College, and has studied abroad at Oxford University. Her teaching and research specializations are in interdisciplinary Victorian literature and culture. She is currently at work on a book-length manuscript on the public institutionalization of aesthetic experience, and has several book chapters forthcoming on how American and British authors contribute to these lively and ongoing debates. In addition to teaching courses in British transnational literature and the Victorian novel, her research and teaching experience enable her to offer courses in contemporary genres that have deep roots in Victorian culture. This year, for example, she will be bringing OSU students a new course offering in Children's Literature.

Raymond Malewitz holds the Ph.D. in English from the University of Virginia, and an undergraduate Honors degree in English literature and biochemistry from the University of Michigan. He comes to OSU most recently from teaching in the Yale University Writing Seminars, where he served as Associate Director. As a Provost's initiative hire in literature, science, and technology, Dr. Malewitz will have an academic home in English, and will be teaching a range of graduate and undergraduate courses that place literature in dialogue with scientific narratives about technology and nature. His articles on techno-sciences and literature have been published or are forthcoming in journals such as PMLA and Contemporary Literature. His current book project examines the ways that real and imagined communities—from environmental advocates to shade-tree engineers—re-purpose myths of American individualism.
OSU Libraries

**Tom Johnson** joined us as Digital Applications Librarian in May. He is an alumnus of Washington State University and Florida State University, where he received his Masters in Library and Information Science. Previously he worked with the Yavapai Library Network in northern Arizona.

**Steven Sowell** joined the OSU Libraries in July as the new Head of the Collections and Resource Sharing Department. Steven received his Master of Library Science from the University of Maryland and a Master of Science in Education from Indiana University. Prior to his appointment at OSU, Steven served as Head, Business/SPEA Information Commons. Previously, he held several other administrative positions in the Indiana University Libraries. His research interests focus on collection development, leadership, and change in academic libraries.

**Natalia Fernandez** began November 1 as our Oregon Multicultural Librarian. Natalia received both her Bachelors of Arts in Art History and Spanish Literature and her Masters in Information Resources and Library Science from the University of Arizona.

COLLEGE OF PHARMACY
Department of Pharmaceutical Sciences

Andriy Morgun received a Medical Doctor Degree (Pediatrics) from Kharkiv Medical University in Ukraine. He completed his PhD in the field of human transplant immunology and immunogenetics at the Federal University of Sao Paulo (UNIFESP), Brazil, where he performed several studies on gene expression and gene polymorphisms in relation to rejection and infection. After a three year period, during which he headed the molecular biology section of the Division of Immunogenetics at UNIFESP, he accepted a post-doctoral position at the National Institute of Allergy and Infectious Disease, National Institutes of Health. He joins the Department of Pharmaceutical Sciences in the College of Pharmacy where he teach in areas related gene expression and immunology. His continuing research will explore applied global gene expression and gene network analyses to address a variety of questions in basic and clinical immunology.

Aleksandra E. Sikora pursued graduate studies in her native Poland at the University of Gdansk, and at the University of Michigan. She recently completed post-doctoral studies in the Department of Microbiology and Immunology at the University of Michigan Medical School. During post-doctoral experiences, Dr. Sikora has used high throughput technologies, including comparative proteomics and chemical genomics to investigate the mechanisms of bacterial infections. She has published research focused on the type II secretion pathway of Vibrio cholerae, the etiological agent of cholera. Dr. Sikora has joined the Department of Pharmaceutical Sciences in the College of Pharmacy and is excited to continue her research program and teach in areas related to infectious disease. Her research efforts will further elucidate the role of the bacterial extracellular proteome in colonization and circumvention of the host immune response, in order to determine new approaches to fight bacterial infections.

Oleh Taratula received M.S. (2002) and Ph.D. (2008) degrees in Chemistry from Ivan Franko National University, Lviv, Ukraine and Rutgers University, respectively. He worked as a Postdoctoral Research Associate in Professor Tamara Minko's laboratory in the Department of Pharmaceutics at Rutgers University (2008-2011). Dr. Taratula's research focuses on the application of nanotechnology for the development of multifunctional targeted systems for the delivery of drugs, siRNA and peptides. His scientific accomplishments have been recognized with various scientific awards including Controlled Release Society Outstanding Pharmaceutical Paper Award (2010, 2011), Gallo Award (2008, 2009, 2011) and a grant from the Department of Defence (2010). Dr. Taratula joined the Department of Pharmaceutical Sciences in the College.
of Pharmacy as an Assistant Professor. He will teach in the pharmaceutics sequence of the professional program and expand focused research efforts in targeted drug delivery.

**Department of Pharmacy Practice**

**David Lee** arrives at OSU after completing a Fellowship in Geriatric Clinical Epidemiology and Aging-related Research at Yale University. His previous training includes a PhD in pharmacokinetics & pharmacodynamics and a Doctor of Pharmacy degree, both from the Virginia Commonwealth University School of Pharmacy. Dr. Lee is interested in risk and benefit ratios of pharmacotherapy in geriatric patients with multiple complex disease processes. Dr. Lee will be stationed at the Portland campus of the Department of Pharmacy Practice within the College of Pharmacy. He will teach within the Pharm.D. program in the area of Evidence Based Medicine.

**Jon Furuno** comes to OSU from a previous faculty post at the University of Maryland Department of Epidemiology and Public Health. Dr. Furuno received his MS and PhD in epidemiology from the University of Maryland. He has an extensive publication record in the field of epidemiology and antimicrobial resistance. He has served as a Principal Investigator on a number of grants and currently holds a K01 from the National Institute for Allergy and Infectious Diseases. Dr. Furuno will be stationed at the Portland campus of the Department of Pharmacy Practice within the College of Pharmacy. He will teach within the Pharm.D. program in the area of Evidence Based Medicine.

**Ravina Kullar** comes to OSU from her Fellowship in Infectious Diseases Outcomes Pharmacotherapy at Wayne State University. Dr. Kullar received her Doctor of Pharmacy degree from the University of Southern Nevada and is currently completing an MPH. Dr. Kullar's research interests are in area of Gram positive infections and the outcomes of patients
with resistant pathogens. Dr. Kullar brings her clinical skills to a patient care practice in conjunction with the Family Medicine Service at Oregon Health and Science University, where she will help train pharmacists in the Doctor of Pharmacy Program. Dr. Kullar will be stationed at the Portland campus of the Department of Pharmacy Practice within the College of Pharmacy.

COLLEGE OF PUBLIC HEALTH AND HUMAN SCIENCES

School of Biological and Population Health Sciences

Jeffrey Bethel, Assistant Professor in Epidemiology (PhD in Epidemiology, UC Davis). He was an Assistant Professor at Brody School of Medicine, Dept of Public Health, East Carolina University before joining OSU. Prior to that appointment, he completed a postdoctoral fellowship in applied epidemiology with the Centers for Disease Control and Prevention (CDC), National Center for Emerging and Zoonotic Infectious Diseases (NCEZID), Division of Global Migration and Quarantine (DGMQ) and then joined the CDC as an epidemiologist, working on the prevention and control of communicable diseases along the U.S.-Mexico border. His areas of interest include infectious disease epidemiology, Latino health, health of mobile populations, and acculturation and health. Dr. Bethel's research is aimed at understanding the relationship between health (chronic and infectious diseases) and movement of populations ranging from travelers to migrants. He is particularly interested in examining the association between acculturation and health among Latinos and Latino farmworkers. Other areas of research interest include health effects of climate change, heat stress and disaster preparedness among vulnerable populations including the elderly, medically fragile, Latinos, and Latino farmworkers.

Simon Driver, Associate Professor in Exercise and Sport Science. Dr. Driver earned his doctorate in Adapted Physical Activity at the University of Virginia, and he comes to OSU from a faculty position at the University of North Texas. His research is focused on the role of physical activity in improving the health of adults with brain and spinal cord injuries.
Andy Houseman, Associate Professor in Biostatistics (ScD in Biostatistics, Harvard School of Public Health). He held research faculty positions at Harvard School of Public Health (from 2003 through 2011) and Brown University Medical School (from 2008 through 2011), focusing on topics in cancer research, environmental exposure assessment and environmental epidemiology. His statistical research involves latent variable methods, model-based clustering, and high-dimensional data analysis, with recent work focusing on computationally efficient methods for epigenomics research. He currently collaborates with Brown and Dartmouth faculty on population-based studies that investigate epigenetic links with environmental exposures, cancer, and mental health outcomes. In addition, he is engaged in a project with NIOSH and CDC to develop software for occupational exposure assessment in data-scarce environments.

Molly Kile, Assistant Professor in Environment, Safety & Health (ScD in Environmental Health, Harvard School of Public Health; MS in Environmental Health and BS in Marine Science). Before coming to OSU, she was a Research Associate at the Harvard School of Public Health. Her research interests include: environmental epidemiology studies of arsenic-related reproductive health effects in the US and Bangladesh, evaluation of the association between DNA methylation and occupational exposure to metal-rich fine particulate matter, genome-wide association study to identify polymorphisms that confer neurodevelopment susceptibility to metal exposure in children. Dr. Kile is a co-investigator on an NIEHS-funded study of a large prospective birth cohort in rural Bangladesh exposed to arsenic in their drinking water, examining the effects of arsenic exposure on reproductive health outcomes as well as examining gene-environment interactions that modify these associations. She is also the recipient of a five-year career development award (K01) funded by NIEHS to further her training in molecular perinatal environmental epidemiology. She is also the co-investigator on two projects that are part of the Harvard School of Public Health's Superfund Research Program.

Laurel Kincl, Assistant Professor in Environment, Safety & Health (PhD in Occupational Safety and Ergonomics, University of Cincinnati; MS in Industrial Hygiene and B.S. in Bioengineering). Before joining OSU, she was a Research Fellow at the Centre for Research in Environmental Epidemiology (CREAL) in Barcelona, Spain. Previous to her appointment at CREAL, she was a Research Associate at the Labor Education and Research Center (LERC) at the University of Oregon. Her research interests include: occupational exposure assessment for retrospective epidemiological studies, measurements of musculoskeletal motion and injury risk
In relation to ergonomic interventions, as well as interventions for reducing young worker injuries and illnesses.

**Megan MacDonald**, Assistant Professor in Exercise and Sport Science. Dr. MacDonald earned her doctorate in Kinesiology at the University of Michigan. Her research focuses on the relationship of motor skills and physical activity patterns in the early social communication of children with autism spectrum disorders (ASD) and/or Down Syndrome.

**John Molitor**, Associate Professor in Biostatistics (PhD in Statistics, University of Missouri). Before joining OSU, Dr. Molitor completed post-doctoral training at the University of Southern California and was an Assistant Professor in Epidemiology and Public Health at Imperial College, London. His research interests include Bayesian methods, Latent variable modeling, measurement error models, spatial modeling, genetic epidemiology, and Markov Chain Monte Carlo estimation methods. He is involved in environmental health research, specifically on Bayesian spatial modeling of multi-pollutant profiles. He was recently awarded a grant from the Health Effects Institute to examine the association between air pollution exposure and pre-term birth among women in Los Angeles.

**Marc Norcross**, Assistant Professor in Exercise and Sport Science. Dr. Norcross earned his doctorate in Human Movement Science with a Biomechanics concentration at the University of North Carolina at Chapel Hill in 2011. He earned his undergraduate degree in Athletic Training from Boston University in 2001 and completed a Master's degree in Exercise and Sport Science (Athletic Training Specialization) from UNC-Chapel Hill in 2003. He then worked clinically as an Assistant Athletic Trainer at UCLA from 2003-2007. Dr. Norcross has published manuscripts in multiple areas ranging from surface electromyography methodology to the relationship between neuromechanical properties of muscle and knee joint stability. His current research focus, most recently supported by the National Athletic Trainers' Association Research and Education Foundation, utilizes the quantification of lower extremity energy absorption during landing in an effort to both understand non-contact anterior cruciate ligament...
(ACL) injury mechanisms and identify modifiable biomechanical factors that should be targeted in ACL injury prevention programs.

Michelle Odden, Assistant Professor in Epidemiology (PhD in Epidemiology, UC Berkeley). Before joining OSU, she was a Postdoctoral Fellow in the Dept. of Medicine, UC San Francisco. Her research focuses on the prevention of chronic disease and disability in elderly adults, with a particular interest in kidney and cardiovascular diseases and related morbidities. Dr. Odden's research seeks to better characterize the processes of functional decline that accompany normal aging, and to distinguish these from preventable disease among the elderly. In addition, she is interested in causal inference statistics and other methods to reduce bias in observational studies.

Siew Sun Wong is an Assistant Professor and Extension Nutrition Specialist in Extension Family and Community Health. Dr. Wong earned her doctorate in Nutrition and Food Sciences with emphases on Epidemiology and Community Nutrition at Utah State University, where she was also on faculty. Before joining the School of Biological and Population Health Sciences, she was a visiting scholar at the National Institutes of Food and Agriculture. Her research interests are innovative nutrition education through education games, dietary assessment methods, and nutrition program evaluation among low-income populations in the areas of childhood obesity prevention and preadolescent's calcium intake.

Bo Zhang, Assistant Professor in Biostatistics (PhD in Statistics, University of Minnesota; He was a Postdoctoral Fellow in the Biostatistics and Bioinformatics Branch, Division of Epidemiology, Statistics and Prevention, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD). Dr. Zhang's methodological research interests include: analysis of longitudinal (clustered) data; statistical methods in diagnostic medicine, estimating diagnostic accuracy of medical tests using receiving operating characteristics (ROC) curve and/or random-effects latent class models; joint modeling of longitudinal and time-to-event data, analysis of survival data; and analysis of (high-dimensional) biomarker data. He is
currently collaborating on grants related to diagnosis of endometrioses as well as a study on alpha-tocopherol and beta-carotene on cancer prevention.

**Department of Design and Human Environment**

Seunghae Lee will join the DHE faculty from Purdue University where she has been teaching and conducting research in Interior Design. Dr. Lee received her B.S., and M.S. degrees from Yonsei University in Korea and her Ph.D. in Facilities Design and Management from Michigan State University. Dr. Lee’s research focuses on healthcare design, sustainability issues in interior design, and technologies for design. Her recent work on developing digital visualization technology for use in understanding how older adults navigate interior spaces has been published in the *International Journal of Architectural Research*.

**School of Social and Behavioral Health Sciences**

Jeff Luck has recently joined the School of Social and Behavioral Health Sciences as Associate Professor of Health Policy. He was previously Associate Professor of Health Services at the UCLA School of Public Health, and has worked extensively as a management consultant for private sector organizations and government agencies. Dr Luck's research focuses on measuring and improving the quality of health care, and on applications of informatics for improving health care provision and population health. He holds a PhD in Public Policy Analysis from the Pardee RAND Graduate School and an MBA from the UCLA Anderson Graduate School of Management. Dr Luck will be teaching courses in healthcare management and policy, including Strategy and Financial Management.

Carolyn Mendez-Luck is Assistant Professor of Human Development and Family Sciences in the School of Social and Behavioral Health Sciences. She completed her PhD in public health at UCLA. Prior to joining OSU, she was a faculty associate with the UCLA Health Policy Research Center. Her research interests are family care of older Latinos with diabetes, elder care
Dr. Mendez-Luck will be teaching undergraduate and graduate courses in gerontology, including culture, aging, and health.

**Turner Goins** is an Associate Professor of Gerontology in the School of Social and Behavioral Health Sciences. She completed her MS and PhD in Gerontology from the University of Massachusetts Boston and a post-doctoral research fellowship in Gerontology and Epidemiology at Duke University Medical Center. She spent 13 years in the Department of Community Medicine and the Center on Aging at West Virginia University's School of Medicine as faculty until coming to Oregon State University's College of Public Health and Human Sciences in 2011. Dr. Goins's expertise is American Indians aging issues with over a decade conducting collaborative research with rural and American Indian communities. Dr. Goins will be teaching courses for public health and human development and family sciences students including public health and aging and community-based participatory research.

**Jangho Yoon** is an Assistant Professor of Health Policy at the School of Social and Behavioral Health Sciences. Dr. Yoon earned his PhD in Health Policy and Administration from the University of North Carolina, Chapel Hill, with specialization in Health Economics and Econometrics. As a National Research Service Award Fellow, Dr. Yoon received a post-doctoral training in Mental Health Economics at the University of California, Berkeley from 2007 to 2009. Before coming to OSU, Dr. Yoon was an Assistant Professor of Health Policy at Georgia Southern University. Also, as a researcher at the Global Center for Health Economics and Policy Research, Dr. Yoon served as a consultant to the World Health Organization, Switzerland. He is currently serving on the American Public Health Association's Committee on Statisticians' Involvement in Evidence-Based Practice Committee. His current research focuses on the evaluation of mental health policy and system transformation, the economics of mental health, social capital, and health information technology. In addition, Dr. Yoon's recently funded work explores the potential benefits of tele-medicine as a tool for reducing oral health disparities. He will teach Cost-Effectiveness Analysis this fall.
**Department of Biochemistry and Biophysics**

**Colin Johnson** obtained a PhD in chemistry from the University of Illinois Urbana-Champaign, and was awarded an Institute for Medical Engineering (IME) Fellowship for postdoctoral study at the University of Pennsylvania in the department of Biomolecular Engineering. Subsequently, he pursued a second postdoctoral position working with HHMI investigator Edwin Chapman at the University of Wisconsin, Madison. During this period Colin was awarded a NIH K99 Career Transition Award for study of the ferlin family of proteins, which have been linked to various human diseases including deafness and muscular dystrophy.

**Viviana Pérez** received her PhD in biomedical sciences from the medical school of the University of Chile, where she did research on T-kininogen and kinins, and their role in modulating endothelial cell proliferation. She then did postdoctoral work at UTHSCSA in San Antonio, where she studied the role of free radicals and oxidative stress in aging, and published research on the effects of underexpressing or overexpressing the major antioxidant defense systems on lifespan in mice. More recently, her research has focused on two areas: the study of protein homeostasis and its role in resistance to oxidative stress in long-lived species; and a comparative analysis of the lifespan-increasing effects of rapamycin and dietary restriction, to determine whether they act through common or independent mechanisms.

**Department of Chemistry**

**Chong Fang**, Assistant Professor of Chemistry. He earned his Ph.D. (2006) in Chemistry and Biophysics at the University of Pennsylvania with the renowned spectroscopist Robin Hochstrasser. He received his B.S. *summa cum laude* in Chemistry and Computer Application (dual major) from the University of Science and Technology of China (USTC) in 2001. After tracking down the unusual potency of an anti-HIV drug in complex with its enzyme target (a Cover article in PNAS) he moved on to UC Berkeley doing his postdoctoral work with Rich Mathies, G.N. Lewis Professor of Chemistry. Dr. Fang's ultrafast Raman work on the GFP fluorescence mechanism led to a Cover article in *Nature*. The central theme of Dr. Fang's research in OSU is to investigate the long sought structure-function relationship of biomolecules, ranging from fluorescent proteins that can light up subcellular entities for bioimaging to proteins and enzymes that are potential drug targets for biomedicine. Dr. Fang received the Graduate Student Travel Award from Division of Chemical Physics, APS in 2006 and the SAS Dean's Scholar Award at the University of Pennsylvania in 2005.
Department of Geosciences

**James "Jim" Graham** comes to OSU from National Renewable Energy Laboratory (NREL), where he was a Research Scientist from 2006 – 2011. He received his BS in Mathematics and BS in Computer Science from California State University at Chico. In 2006, Dr. Graham received his PhD at Colorado State University in Fort Collins. He has taught courses in Natural Resources and GIS Applications in Natural Resources. Dr. Graham’s other interests include SCUBA diving, ice hockey, and nautical history.

Bernard Jenny was a postdoctoral researcher at the Institute of Cartography of ETH Zurich, where he also completed his PhD studies. He holds a M.S. in Geomatics, Surveying and Environmental Sciences of EPF Lausanne, Switzerland, and a post-graduate certificate in informatics with a specialization in computer graphics of ETH Zurich, Switzerland. Bernhard is active in the International Cartographic Association ICA Commissions on Mountain Cartography and Digital Technologies in Cartographic Heritage. His research interests include 2D and 3D terrain representation, terrain generalization, geovisualization, the design of small-scale map projections, distortion analysis of diagrams and maps, thematic mapping, web mapping, and map design for the color-vision impaired.

Department of Mathematics

**Elaine Cozzi** earned her BA degree in Mathematics and Economics from the University of Virginia, and she was awarded a PhD in Mathematics in 2007 from the University of Texas at Austin. She has held positions as a Postdoctoral Associate in the Center for Nonlinear Analysis at Carnegie Mellon University and a visiting professor position in the Department of Mathematics at Drexel University. Her research interests are in mathematical fluid mechanics, partial differential equations, and harmonic analysis. She was recently awarded a NSF research grant to study applications of harmonic analysis to incompressible flow.

**Clayton Petsche** was awarded a PhD in Mathematics in 2003 from the University of Texas at Austin. He has also held positions at the University of Georgia, the Graduate Center of the City University of New York, and Hunter College. His research interests are in number theory,
Ren Guo earned his PhD degree in Mathematics in 2008 from Rutgers University. He most recently held a position as a Dunham Jackson Assistant Professor in the Department of Mathematics at the University of Minnesota. His research interests are quite broad and include hyperbolic geometry, Teichmüller space, discrete geometry, differential geometry, quantum topology and their applications in computer graphics and topological data analysis.

Radu Dascaliuc received his BS degree in Mathematics from the A.I. Cuza University in Romania in 1997 and his PhD in Mathematics from Texas A&M in 2005, where he held a NSF funded VIGRE graduate fellowship. Since then he has held positions as a Zorn Fellow in Mathematics at Indiana University and most recently as a Whyburn Instructor of Mathematics at the University of Virginia. His research interests include partial differential equations, fluid dynamics, turbulence, and dynamical systems with a focus on the long-time behavior of nonlinear partial differential equations. He also has interests in three-dimensional magnetohydrodynamic turbulence and fluid-structure interaction systems applied in biomedical and engineering sciences.

Rebecca Vega-Thurber's laboratory studies the interactions between microbes (viruses, bacteria, and archaea) and their environments. Dr. Vega-Thurber received her PhD at Stanford University and received an NSF Postdoctoral Fellowship to study marine microbial ecology under Dr. Forest Rohwer at San Diego State University. Thus far, Dr. Vega-Thurber has published 15 manuscripts and a book chapter on the microbial ecology of tropical reef habitats, and the design, development, and analysis of bacterial and viral metagenomic libraries. Her work on stony coral viruses was the subject of a biography in The Scientist magazine; [http://www.the-scientist.com/2009/08/1/50/1/](http://www.the-scientist.com/2009/08/1/50/1). As one of the new faculty to the Microbiology Department at Oregon State University, Dr. Vega-Thurber will
continue her work on the viruses and microbes associated with corals and tropical reef habitats, but also will expand upon her work evaluating the microbial ecology of coastal, fresh water, and deep-sea ecosystems.

**Department of Physics**

**Michael Zwolak** earned his BS in Chemical Engineering from Virginia Polytechnic Institute and his PhD in Physics from the California Institute of Technology. He then went on to become the Richard P. Feynman Postdoctoral Fellow at Los Alamos National Laboratory. The focus of his research is on understanding the behavior of matter at the nanoscale, ranging from the dynamics of biological molecules to electronic transport to quantum many-body effects out of equilibrium. His work set the theoretical foundations to DNA sequencing with nanoscale electronic sensors - a technique that is currently undergoing rapid experimental progress. In addition, he is also developing novel computational algorithms for simulating open quantum systems and investigating the quantum-to-classical transition and related topics in quantum information theory.

**Department of Statistics**

**Yuan Jiang** is a 2008 statistics graduate of the University of Wisconsin. He just recently completed a postdoctoral position in the Department of Biostatistics at Yale University. He completed his undergraduate degree in mathematics at the University of Science and Technology of China. Dr. Jiang has published research related to genetic association studies. In addition to teaching graduate and undergraduate courses in statistics, Dr. Jiang will consult and collaborate with researchers in the Center for Genomic Research and Biocomputing.
**Claudio Fuentes** is a 2011 statistics graduate of the University of Florida. He completed both a Bachelor of Science degree in mathematics and a Master of Statistics degree in Santiago, Chile. Dr. Fuentes is interested in both statistical methodology and statistical applications. He has published research relating to the analysis of cluster data, with an application to genomic analysis.

**Charlotte Wickham** is a 2011 statistics graduate from the University of California, Berkeley. She completed her undergraduate work at the University of Auckland, New Zealand. Dr. Wickham is interested in time series, spatial statistics, and statistical graphics and computing. She has applied the spatial analysis tools she developed to the modeling of whale shark movements.

**COLLEGE OF VETERINARY MEDICINE**

*Department of Biomedical Sciences*

**Brian Dolan** is an Assistant Professor in the Biomedical Sciences Department in the College of Veterinary Medicine. Prior to joining OSU, Brian was a postdoctoral fellow at the National Institutes of Allergy and Infectious Diseases in Bethesda MD, where he began his studies on the cellular biology governing antigen presentation, the process by which the body's cells alert the adaptive immune system to the presence of intracellular pathogens. Brian received his Ph.D. from the University of Maryland Baltimore County in 2006 and his Bachelor of Science from Roger Williams University in 2000.
Sarah Nemanic is a graduate of UC San Diego, with a PhD in neuroscience from the University of Texas, Houston, Health Science Center and a DVM from UC Davis. She recently completed her Diagnostic Imaging Residency at the Michigan State University College of Veterinary Medicine. Dr. Nemanic is now working in the Diagnostic Imaging service at the Veterinary Teaching Hospital and teaching in the Diagnostic Imaging course. Her research interests include ultrasonography and computed tomography, particularly in the assessment of cancer or the central nervous system.

Milan Milovancev received his BS and DVM from the University of Minnesota and then completed a clinical residency in Small Animal Surgery at the University of Wisconsin. He subsequently worked in private practice and as an instructor at North Carolina State University. He is now working in the Small Animal Surgery section at the Veterinary Teaching Hospital and teaching in didactic surgery courses. His main interest is surgical oncology, with a secondary interest in minimally-invasive surgery. His wife Nicole is also at Oregon State University, where she is doing a residency in Cardiology.

Hernan Montilla attended the Universidad de Puerto Rico, Recinto de Mayaguez, then received his DVM from Ross University. After several years in practice, he came to Oregon State University and completed a residency in Theriogenology. After his residency, he stayed on as an instructor for a year, and then joined our faculty. His duties include reproductive services for all species.