

**Professional Leave 2013-14**  
**April, 2013**

Warwick M. Bayly, Provost and Executive Vice President reports that he has approved the professional leaves listed below and that there will no additional costs to the University for this program.

**College of Agricultural, Human and Natural Resource Sciences**

1. Karen Barale  
WSU Pierce County Extension  
Leave Period Requested: January 1 - June 30, 2014  
Purpose of Leave: This project will assess nutrition evaluation tools in light of recent research, changes in program delivery, changes in the food supply and social/cultural norms. The work will be completed at Cornell and Colorado State Universities and USDA, Washington, D.C.
  
2. Gustavo V. Barbosa-Cánovas  
Biological Systems Engineering  
Leave Period Requested: July 1 - December 31, 2013  
Purpose of Leave: To study advanced nonthermal technologies to process foods at University of Salerno, Italy. The state of the art of some of those technologies which include, among others, pulsed electric fields, high pressure, ultrasound and pulsed light, will be published in a peer review journal highlighting their uses and limitations.
  
3. Jane D. Lanigan  
Human Development, WSU Vancouver  
Leave Period Requested: August 16, 2013 - May 15, 2014  
Purpose of Leave: To conduct a collaborative research project with Dr. Daine Bales from the University of Georgia, continue the Safe Start research project and develop expertise in Information Communication Technology applications and to be a visiting scholar at NIGA under the mentorship of Aida Balsano.

## **College of Arts and Sciences**

4. K.A. Ariyawansa  
Mathematics  
Leave Period Requested: August 16, 2013 - May 15, 2014  
Purpose of Leave: To study ways of incorporating variance into stochastic semidefinite programs and to submit a comprehensive proposal to US Army Research Office on developing algorithms for the resulting new class of optimization problems.
  
5. Nancy Bell  
English  
Leave Period Requested: August 16 - December 31, 2013  
Purpose of Leave: To finalize analysis of failed humor in interaction and complete a book manuscript on this topic for submission to Mouton de Gruyter's Humor Research Series. The leave will include visits to Texas A&M University-Commerce
  
6. William Condon  
English  
Leave Period Requested: August 16 - December 31, 2013  
Purpose of Leave: With faculty at Carleton College and the Science Education Resource Center (SERC) in Northfield, MN, to test the assumption that when educators improve their pedagogy through professional development students learn more as a result and produce a book-length treatment of the project.
  
7. Maria DePrano  
Fine Arts  
Leave Period Requested: August 16, 2013 - May 15, 2014  
Purpose of Leave: To travel to Florence, Rome and Spain during the academic year to conduct research in archives and manuscript libraries to complete current book project on the extensive art patronage and gender relations of a Renaissance family, "Art and Family: Tornabuoni Patronage in Late Fifteenth-century Florence."

8. Mark F. Dybdahl  
School of Biological Sciences  
Leave Period Requested: August 16, 2013 - May 15, 2014  
Purpose of Leave: The details of molecular genetic interactions leading to pathogen infection determine the effect that host parasite coevolution has on important evolutionary transitions. To build stronger links between infection genetics and coevolutionary theory, the plan is to visit a leading research group in evolutionary parasitology at the Swiss Federal Research Institute (ETH), in Zurich, Switzerland
  
9. Alan Genz  
Mathematics  
Leave Period Requested: August 16 - December 31, 2013  
Purpose of Leave: To visit the Computer Science Department at the Catholic University of Leuven in Belgium to continue work on collaborative research projects on theoretical, algorithmic and software aspects of numerical multiple integration.
  
10. Colin Grier  
Anthropology  
Leave Period Requested: August 16, 2013 - May 15, 2014  
Purpose of Leave: To develop and engage in international projects in Korea, Spain and Canada. Additionally a major monograph on previous field research will be completed.
  
11. John A. Harrison  
School of the Environment  
Leave Period Requested: August 16, 2013 - May 15, 2014  
Purpose of Leave: To make accelerated headway with existing, funded research projects, develop new avenues for inquiry, co-chair an International Joint Aquatic Sciences Meeting and become conversant with cutting-edge approaches to on-line provision of course material. Part of the leave will be spend at the University of Utrecht and the Netherlands Environmental Assessment Agency.

12. Daniel S. Jaffee

Sociology

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To conduct ethnographic and survey research in multiple field sites in Mexico to examine social conflicts around the increasing extraction and consumption of bottled water, Will submit external funding proposals, develop a book manuscript, prepare and submit journal article manuscripts, and present the initial findings at professional meetings.

13. Monica Kirkpatrick Johnson

Sociology

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To examine the consequences of young adults (18-29) receiving financial assistance from their parents in a variety of domains. The analysis will be based on the Panel Study of Income Dynamics, a multi-generational panel study of families in the U.S., and will be conducted in Pullman.

14. Alexander Khapalov

Mathematics

Leave Period Requested: August 16 - December 31, 2013

Purpose of Leave: Project is collaborative research in the mathematical nonlinear multiplicative control theory for partial differential equations with applications to the models of climatology and to the swimming models aimed at understanding the mechanics of self-propulsion in fluids at the University of Rome II and Istituto Nazionale di Alta Matematica, Rome, Italy, and at the University of Cantabria, Spain .

15. Michael Knoblauch

School of Biological Sciences

Leave Period Requested: January 1 - May 15, 2014

Purpose of Leave: Investigation of assimilate translocation in the phloem of trees and vines as well as investigation of the cell biology of kelp phloem. The leave will take place at Harvard University and Bamfield Marine Science Center.

16. Keri E. McCarthy

School of Music

Leave Period Requested: January 1 - May 15, 2014

Purpose of Leave: To travel to Southeast Asia to continue work with the Light through Music project, begun in July 2013, to develop music education programs for double reed instruments (oboe and bassoon) and connect with performers and composers in the burgeoning music scenes of Myanmar and Laos.

17. Robert R. McCoy

History

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: Investigation into the complex historical processes that have shaped the landscape and the historical imaginations of the diverse populations that have lived in the Walla Walla region to start the monograph, Grafting New Vines onto Old: The Walla Walla Wine Landscape and the Reinvention of History and Place. Intensive archival and oral history research will be completed at local, regional, and national archives.

18. Michelle K. McGuire

School of Biological Sciences

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To conduct a 3-phase project related to understanding better factors related to human mastitis. Will conduct a retrospective epidemiologic study, collaborate with researchers and clinicians from Uppsala University and the Swedish University of Agriculture Sciences (SLU) to write a position paper and submit a collaborative NIH grant.

19. Jeanne L. McHale

Chemistry and Materials Science and Engineering Program

Leave Period Requested: August 16 - December 31, 2013

Purpose of Leave: To create a revised second edition of the textbook, Molecular Spectroscopy, to include new chapters on advanced spectroscopic techniques.

20. Michael M. Morgan

Psychology

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To collaborate on a research project at the University of Washington examining the activity of neurons in a brain structure called the periaqueductal gray. The goal is to determine the function of these neurons by linking neural activity to behavior.

21. Io Palmer

Fine Arts

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To create several new mixed media projects and foster ongoing research activity. Residencies will take place at the Gowry Institute in Kerala, India and other locations in the U.S..

22. Susan L. Peabody

History

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To complete revise and submit book manuscript, Slavery and Emancipation in the Indian Ocean World: A Family Biography and presenting the newest material at conferences. A research trip will be conducted in continental France.

23. Marsha B. Quinlan

Anthropology

Leave Period Requested: August 16 - December 31, 2013

Purpose of Leave: To pursue new anthropological research in Ethiopia and Tanzania. The field projects examine health practices among the pastoralist cultures of the East African Cattle Complex.

24. Robert J. Quinlan

Anthropology

Leave Period Requested: August 16 - December 31, 2013

Purpose of Leave: To pursue new anthropological research efforts concerning environmental risk, resilience and population pressures in Ethiopia and Tanzania.

25. Jeffrey C. Sanders

History

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To make critical research trips to archives in California, Washington, D.C., Colorado and the Pacific Northwest to finish writing the book, Big Blue Marble: Children and Environment in the Postwar West. The book explores how youth came to embody, justify and explain a variety of societal and environmental concerns during the postwar era and especially in the unique contexts of the U.S. West.

26. Maureen Schmitter-Edgecombe

Psychology

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To work with community partners in Whitman and Latah County that serve the aging population, to increase competitiveness for translational grant funding. Analyze pilot data and spearhead grant submissions for new collaborations in Parkinson's disease and brain injury rehabilitation research as well as learn new sophisticated statistical techniques.

27. Nishant Shahani

Critical Culture, Gender and Race Studies

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: Research will focus on the transnational politics of queer activism and global Lesbian, Gay, Bisexual, Transgender (LGBT) sexual citizenship, with a concentration on the sexual economies of India. Research will be conducted in Mumbai, India.

28. David Slavit

Teaching and Learning and Mathematics

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To investigate student-learning outcomes at three different secondary schools that integrate science, technology, engineering and mathematics throughout the curriculum. The study will specifically attend to the students' development of ways of thinking, perseverance, and understanding of the relevance of schooling to future goals.

29. Jesse A. Spohnholz

History

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To complete book, *The Convent of Wesel: Solving a 400-Year Old Mystery and Rethinking the History the Reformation*. Will also begin a project on exile and toleration in the Dutch Republic.

30. Hong-Ming Yin

Mathematics

Leave Period Requested: January 1 - May 15, 2014

Purpose of Leave: To study several problems in applied mathematics. The first topic will be linear and nonlinear problems in electromagnetic fields and the second topic is various problems in financial engineering. The leave will be carried out at the Chinese University of Hong Kong.

### **College of Business**

31. Thomas M. Tripp

Management Information Systems & Entrepreneurship, WSU Vancouver

Leave Period Requested: January 1 - May 15, 2014

Purpose of Leave: To begin a new research program on organizational barriers to workplace forgiveness. Will work in collaboration with Dr. Karl Aquino and the Centre of Applied Ethics at the University of British Columbia.

### **College of Communication**

32. Jeffery C. Peterson

Communication

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: Travel to the Center for Culture-Centered Approach to Research and Evaluation (CARE) at the national University of Singapore as a visiting scholar and participate in ongoing culture-centered health communication research projects with immigrant sex worker and dock laborer populations. Will also participate in a community based participatory research project on the Spokane Indian reservation at Wellpinit, Washington.

### **College of Education**

33. Paula Groves Price

Teaching and Learning

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To collaborate with two Native American Tribes - the Coeur d'Alene Tribe and the Colville Confederated Tribe - to submit three large grants to strengthen education on the reservation and fortify the commitments and relationship WSU has with tribal communities. Work will take place in Omak, Washington and Plummer, Idaho.



## **College of Engineering and Architecture**

34. Nehal I. Abu-Lail

School of Chemical Engineering and Bioengineering

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To expand research program into the field of bioremediation of environmental contaminants, perform research on gender parity in engineering between developing and developed countries and to establish sustainable collaborations with researchers in Jordan. The leave will be spent at Jordan University of Science and Technology, Irbid, Jordan.

35. Amit Bandyopadhyay

School of Mechanical and Materials Engineering

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To establish collaborative relationships with researchers from Harvard University and the University of Erlangen-Nuremberg to grow our work focused on next generation of biomedical devices for bone disorders.

36. Marc W. Beutel

Civil and Environmental Engineering

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To work with experts at the Catalan Institute for Water Research in Girona, Spain evaluating the potential for engineered treatment wetlands to remove pharmaceuticals from treated wastewater, and at the University of Trento, Italy researching mercury cycling in aquatic sediments.

37. Susmita Bose

School of Mechanical and Materials Engineering

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To establish collaborative relationships with researchers from Harvard University and the University of Erlangen-Nuremberg to grow our work focused on next generation of biomedical devices for bone disorders.

38. Matthew A. Cohen

School of Design and Construction

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To conduct a historical and design analysis of the mid-fifteenth century Pazzo Chapel in Florence, Italy, and prepare an article for a peer-reviewed journal based on methods and principles presented in a forthcoming book and to prepare grant applications for continued research.

39. Su Ha

School of Chemical Engineering and Bioengineering

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To develop a transformative way of co-generating value added products from the biomass-derived oxygenated hydrocarbons and clean electricity using solid oxide fuel cells. To optimize the reaction selectivity, a new anode material will be developed where its ion flux and electrode potential will be precisely controlled. Leave will be spent at the Korea Institute of Science and Technology.

40. Ananth Kalyanaraman

Electrical Engineering and Computer Science

Leave Period Requested: August 16 - December 31, 2013

Purpose of Leave: To expand ongoing research and create fundable collaborative opportunities in High Performance Computational Biology research at WSU. Location of leave will be Purdue University and Argonne National Laboratory.

41. Gregory Kessler

School of Design and Construction

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To develop a book entitled "The Lateral Education: Creating Intersections through the Third Curriculum." The book will provide a resource that will articulate the need, opportunities and methods for collaborative opportunities within the design and construction disciplines in the academy and professions. Spring semester will be spent at the University of Hawaii.

42. Sinisa Mesarovic

School of Mechanical and Materials Engineering

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: This project will take place at the University of Kragujevac, Serbia and Ecole des Mines, Paris, France. It includes development of multiscale modeling software based on mathematical formulations developed over the past 5 years and development of graduate curriculum and material preparation for a book on multiscale modeling.

43. W. Max Kirk

School of Design and Construction

Leave Period Requested: January 1 - May 15, 2014

Purpose of Leave: To establish a research collaboration between faculty in environmental engineering, sustainable design, construction management and psychology to examine the possible associations between indoor air quality and neurological health, as well as between health and building characteristics.

Leave will be conducted on WSU campuses.

44. Konstantin Matveev

School of Mechanical and Materials Engineering

Leave Period Requested: August 16 - December 31, 2013

Purpose of Leave: To closely collaborate with engineers from Art Anderson Associates in Bremerton, WA involved in R&D on marine transportation. Will conduct modeling of advanced watercraft, design experimental systems, and prepare joint proposals as well as make presentations at conferences and write technical articles.

### **College of Nursing**

45. Patricia Butterfield

Nursing

Leave Period Requested: July 1 - August 30, 2013

Purpose of Leave: To advance understanding of environmentally-sustainable healthcare in hospitals and the integration of environmental and occupational health practices into primary care and translate information into action-oriented recommendations. Locations will be Geneva, Seattle and Spokane

46. Janet Purath

Nursing

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To invigorate and strengthen skills as a scholar and teacher in the fields of aging and health behavior change. Most work will be based in Spokane, WA with two onsite visits at Arizona State University.

## **Health Sciences**

47. Nancy Potter

Speech and Hearing Sciences

Leave Period Requested: August 16, 2013 - May 15, 2014

Purpose of Leave: To conduct a pilot study examining outcomes in children with Duarte galactosemia (DG), a rare genetic disorder, publish the results, and submit an RO1 application to the NIG National Institute of Child Health and Human Development Extramural Research.

## **College of Veterinary Medicine**

48. Terry McElwain

School for Global Animal Health and Washington Animal Disease Diagnostic Laboratory

Leave Period Requested: September 1, 2013 - February 28, 2014

Purpose of Leave: To develop a joint M.S. degree curriculum in Laboratory Management between the Allen School and the Nelson Mandela African Institute of Science and Technology, and to conduct a literature review and meta-analysis on the impact of limited global diagnostic capacity on understanding disease burden. Leave locations are Tanzania, Geneva, Rome, Paris and Germany