Professional Leave 2017-18
February, 2017

Daniel J. Bernardo, 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.

Carson College of Business
1. Jeffrey David Joireman
   Department of Marketing and International Business
   Leave Period Requested: August 16, 2017 - May 15, 2018
   Purpose of Leave: Professor Joireman will (1) prepare a grant proposal focusing on the connection between future time orientation and learning from past consequences; (2) write a book titled "A Practical Guide to Theory Development"; (3) write a review article integrating social dilemmas and marketing; (4) overhaul undergraduate consumer behavior course.

2. Alberto Sa Vinhas
   Department of Marketing and International Business
   Leave Period Requested: August 16, 2017 - May 15, 2018
   Purpose of Leave: Professor Sa Vinhas will examine the changing interfirm relationship dynamics between manufacturers and their channel intermediaries, or resellers. I will take an inductive approach, conducting structured interviews with industry managers across the globe. Being based at the University of Southern California will allow me to develop new research partnerships with leading scholars.

College of Agricultural, Human, and Natural Resource Sciences
3. Cory Bolkan
   Department of Human Development
   Leave Period Requested: August 16, 2017 - May 15, 2018
   Purpose of Leave: Professor Bolkan will analyze data from the implementation of a pilot educational program in Southwest Washington that enables remote monitoring devices to assist low-income older adults to manage chronic conditions at home. Additionally, to enhance expertise in aging policies, evidence-based programs, and integration with the field of Prevention Science.
4. Lynn Carpenter-Boggs  
Department of Crop and Soil Sciences  
Leave Period Requested: January 1 - May 15, 2018  
Purpose of Leave: Agricultural productivity in East Africa is limited by low phosphorus fertility of soils and poor availability of fertilizers. The proposed research and teaching activities would focus on maximizing biological symbiosis (mycorrhizae) and using low-dose targeted fertilizer treatments to supply phosphorus to crops in Malawi and Tanzania.

5. Ben Cowan  
School of Economic Sciences  
Leave Period Requested: January 1 - May 15, 2018  
Purpose of Leave: Professor Cowan will visit the Department of Policy Analysis and Management (PAM) at Cornell University, where I will undertake new research on the relationship between educational attainment and health outcomes. PAM is one of the premier institutions in the world for the study of health economics and policy. I will work with Professors John Cawley and Don Kenkel and others to examine how college enrollment and completion affect health in adulthood.

6. Louise Parker  
Department of Human Development  
Leave Period Requested: July 1 - December 31, 2017  
Purpose of Leave: This leave is proposed to explore Canadian and Australian models for translational, multi-disciplinary research that partners with policymakers and practitioners. The intended outcome is to design a collaborative that effectively leads, funds and incentivizes projects that engage WSU faculty and students across multiple disciplines and campuses in prevention research.

7. Sanja Roje  
Institute of Biological Chemistry  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: The project, to be conducted with Dr. Svetlana Yurgel at Dalhousie University in Nova Scotia, Canada, will enable me to learn new techniques and work more independently and extensively on advancing the understanding of the role of flavins in the formation of symbioses between legumes and the nitrogen-fixing bacteria.
College of Arts and Sciences

8. John Bishop  
School of Biological Sciences  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: Professor Bishop will seek new external funding to investigate ecosystem development following catastrophic disturbances (volcanic eruption, deglaciation) by 1) publishing NSF-funded project results; and 2) developing new concepts and proposals while in residence at University of Montana and WSU Vancouver, and visits to Chile, University of Maryland, and Portland State University.

9. Peter Chilson  
Department of English  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: Professor Chilson will complete a book about Mali, an African country torn by war. The book explores (in personal narrative) a struggling nation built on the glory of pre-colonial history. I plan a one-month trip to Mali in fall 2017 and two five-week writer's residencies in New Hampshire and New York State.

10. Alexander Dimitrov  
Department of Mathematics and Statistics  
Leave Period Requested: August 16 - December 31, 2017  
Purpose of Leave: Professor Dimitrov will be in Seattle for focused collaborative work with colleagues at the University of Washington, and the Allen Institute for Brain Sciences. He will develop new kinds of mathematical tools, models and theories that can be developed to accommodate large neural datasets.

11. Lisa Renee Fournier  
Department of Psychology  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: Professor Fournier collaborate with Dr. Logan (Vanderbilt University) and Dr. Dyre (U Idaho) to obtain pilot data, acquire programming and computational modeling skills, and submit an NSF grant investigating how action plans in same and different memory stores interact during goal-directed behaviors.

12. Zachary Hamilton  
Department of Criminal Justice and Criminology  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: The proposed work assesses variations in both adult and juvenile risk assessment development methods. The proposed project will make use of an extensive and large data set. Quantitative methods will be used to explore variations in item selection and weighting procedures, outcomes, and gender and racial/ethnic biases of tool development.
13. Erik Johnson  
Department of Sociology  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: Professor Johnson will pursue two major project areas. The first extends ongoing research on the emergence of the US environmental movement and its effects across various social institutions. The second project is a study of environmental crime. In each area I will develop a funding proposal and research papers for publication.

14. Mark Kuzyk  
Department of Physics and Astronomy  
Leave Period Requested: August 16 - December 31, 2017  
Purpose of Leave: Develop new insights into how light interacts with matter at a quantum level to provide guidance in designing exotic hybrid materials and making devices with ultra-large nonlinear-optical response that approaches the fundamental limits. Such materials could enable new technologies including optical computers, high contrast medical imagers and light-based cancer therapies.

15. Peter Brennan Larson  
School of the Environment  
Leave Period Requested: August 16 - December 31, 2017  
Purpose of Leave: Mixing of magmas with different compositions is an important process in the evolution of many volcanic eruptions. Mixing may trigger violent eruptions. Several young subsidiary lavas at Yellowstone preserve mixing in progress. This research will measure geochemical parameters in the Yellowstone samples in order to understand mixing in natural systems.

16. Debbie Jean Lee  
Department of English  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: While remote places are under more threat than ever before, Professor Lee’s goal is to use three projects in different stages of development to increase understanding of these areas among scholarly and general audiences.

17. Matthew Douglas McCluskey  
Department of Physics and Astronomy  
Leave Period Requested: January 1 - May 15, 2018  
Purpose of Leave: The proposed research will advance confocal microscopy for materials characterization, leading to discoveries of novel optical phenomena. Through a collaboration at University of California, Santa Barbara, these techniques will be applied to biophysical systems.
18. Melanie-Angela Neuilly  
Department of Criminal Justice and Criminology  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: The project involves finalizing analysis on ten years worth of qualitative data on factors influencing medico-legal professionals' decision-making processes in death classification. Then, develop, implement, and analyze the results of a vignette-based survey tool on medico-legal practices. The goal is to establish the role of macro- and micro-level factors in death classification.

19. Tahira Michelle Probst  
Department of Psychology  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: The financial crisis in Italy has increased job insecurity, unemployment, underemployment, economic deprivation, and precarious work. In collaboration with researchers at Sapienza University of Rome, we seek to identify the contributing role of the financial crisis with its concomitant economic stressors toward predicting Italian employee health, safety, and well-being outcomes.

20. Jennifer Schwartz  
Department of Sociology  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: Research will assess conditions that increase women's likelihood of involvement in male-dominated white-collar conspiracy groups and explore how women's and men's roles, risks, rationales, and rewards for participating in criminal groups develop and sometimes sustain gender inequalities. General questions about dimensions and precursors of white-collar crime will also be addressed.

21. Matthew Kenneth Stichter  
School of Politics, Philosophy, and Public Affairs  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: Travel to Montana State University, and the VIA Institute in Ohio, to support collaboration on grant project "Understanding Virtue and Virtue Development in the Context of Heritability Information", and for interdisciplinary training in psychology. This work will culminate in multiple papers, and provides a foundation for future collaborations and grants.

22. Jeffrey David Vervoort  
School of the Environment  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: The Earth appears to go through and important transition in how continental crust is formed from early regime prior to 3.5 billion years to a more modern regime after this time. I will examine this time period in two areas where they are best exposed: Western Greenland and Western Australia.
**College of Education**

23. Olusola Adesope  
Department of Educational Leadership, Sport Studies, and Educational/Counseling Psychology  
Leave Period Requested: January 1 - May 15, 2018  
Purpose of Leave: Professor Adesope will conduct cutting-edge studies of multimedia learning using novel learning analytics computational methods and develop resources for making sense of big data to advance teaching and learning. He will submit journal paper(s) and grant proposals to advance STEM education research.

24. Kristin Shawn Huggins  
Department of Educational Leadership, Sport Studies, and Educational/Counseling Psychology  
Leave Period Requested: August 16 - December 31, 2017  
Purpose of Leave: Developing leadership in K12 schools to increase educational opportunities and student learning outcomes is required to meet the demands of the 21st century, especially in STEM fields. The leave will focus on the creation of a school leadership development model and obtaining external funding for STEM education teacher leadership development.

**Elson S. Floyd College of Medicine**

25. Wei hang Chai  
Department of Biomedical Sciences  
Leave Period Requested: August 16, 2017 - June 30, 2018  
Purpose of Leave: To acquire new skills and training in bioinformatics and to develop new NIH grant proposals. Work will make significant progress on the current NIH grant, lead to peer-reviewed publications, result in new collaborations on genomic sciences with WSU and external researchers, and submission of new NIH proposals.

**Voiland College of Engineering and Architecture**

26. Haluk Beyenal  
The Gene and Linda Voiland School of Chemical Engineering and Bioengineering  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: The goal of this sabbatical is to enhance Professor Beyenal’s current collaborations with PNNL by developing new research skills and learning new techniques relevant to his research.
27. J. Phillip Gruen  
School of Design and Construction  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: As Washington State University faces rising enrollment but minimal state allocations for new construction, its older buildings and landscapes will take on increasing importance. This project, leading to a book, will be the first comprehensive study to consider the historic significance of the campus built environment.

28. Christopher Hundhausen  
School of Electrical Engineering and Computer Science  
Leave Period Requested: August 16, 2017 - May 15, 2018  
Purpose of Leave: Professor Hundhausen will learn modern software development tools, and use them to build commercial-grade software to support a growing international sports community. He will leverage this experience to design two advanced computer science courses, and to explore related research opportunities.