Professional Leave 2016-17
February, 2016

Ronald C. Mittelhammer, Interim Co-Provost 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. Sung Ahn
   Finance and Management Science
   Leave Period Requested: January 1 - May 15, 2017
   Purpose of Leave: Dr. Ahn will investigate financial economic time series with an emphasis on developing theories and estimation methods for mixed frequency observations with comovements in a large system. He will also investigate cointegrated time series with measurement errors in a large system with emphasis on the estimation of cointegrating vectors employing the Gaussian reduced rank type estimation.

2. Babu John Mariadoss
   Department of Marketing and International Business
   Leave Period Requested: August 16 - December 31, 2016
   Purpose of Leave: Dr. Mariadoss will complete his branding-related research projects. In particular, he will complete the branding capabilities project, the brand identity project and the ingredient branding project. He will also prepare manuscripts for publication.

College of Agricultural, Human, and Natural Resource Sciences

3. Ana Fabiola Espinola-Arredondo
   School of Economic Sciences
   Leave Period Requested: January 1 - May 15, 2017
   Purpose of Leave: Dr. Espinola-Arredondo will be a Visiting Professor at the Department of Economic Theory, University of Barcelona, where she will work with Professor Antonio Manresa. They will study the effects of incomplete information on Common Pool Resources. Their results will have implications for current environmental regulation.

4. Jolie Kaytes
   School of Design and Construction
   Leave Period Requested: January 1 - May 15, 2017
   Purpose of Leave: Dr. Kaytes will explore field sites to generate content for *Confluence & Diversion in the Colombia River Basin*, a book that will artistically reveal the region's complexity, highlight relationships between local and global issues, illustrate connections between people and landscape, and inspire civic engagement.
5. Felix Munoz-Garcia  
School of Economic Sciences  
Leave Period Requested: January 1 - May 15, 2017  
Purpose of Leave: Dr. Munoz-Garcia will be a Visiting Professor at the Department of Public Finance and the Department of Economic Theory at the University of Barcelona, Spain. He will work with Drs. Antoni Manresa, Alex Esteller, and Albert Sole. They will study the effect of environmental regulation on the number of firms competing in different industries. They will also examine how a strategic policy design can anticipate this effect on competition, ultimately identifying welfare-maximizing regulations.

6. Diana Roberts  
Agriculture and Natural Resources Program Unit, WSU Extension  
Leave Period Requested: September 1, 2016 - February 28, 2017  
Purpose of Leave: Dr. Roberts will study how farmers prefer to learn: whether they would rather attend Extension events or access information from the internet, and what social media they use. She will contrast farmer preferences from Washington, Utah, and Western Australia, and publish results in the *Journal of Extension*.

7. Carolyn Ross  
School of Food Science  
Leave Period Requested: July 1, 2016 - June 30, 2017  
Purpose of Leave: Dr. Ross will conduct research at the International Centre for Brewing Science at the University of Nottingham. Her work will support the newly-approved Fermentation Science option in the School of Food Science and should yield at least two peer-reviewed publications.

8. Lisa Shipley  
School of the Environment  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Shipley will participate in integrated research, teaching, and training activities focused on quantitative and spatial methods in herbivore ecology. She will acquire new skills in Bayesian, movement, and landscape modeling. She will also initiate regional and international research projects, and develop a global faculty-led course in International Wildlife Conservation.

**College of Arts and Sciences**

9. Stephen Bollens  
School of the Environment and School of Biological Sciences  
Leave Period Requested: January 1 - May 15, 2017  
Purpose of Leave: Dr. Bollens will visit the University of Western Australia in Perth to: i) produce a synthesis of aquatic ecology research stemming from several extramurally funded grants, ii) produce at least one major federal grant application, and iii) acquire new skills in ecological modeling and multivariate statistics.
10. Donna Campbell  
Department of English  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Campbell will produce an edition of Edith Wharton's novel The House of Mirth. She will act as associate editor for the Complete Works of Edith Wharton, a 29-volume series under contract at Oxford University Press. Finally, she will serve as a team leader on Digital Wharton, a digital humanities project.

11. Catherine Cooper  
School of the Environment  
Leave Period Requested: August 16 - December 31, 2016  
Purpose of Leave: Dr. Cooper will advance her recently-funded, high-profile, research on plate tectonics on Jupiter's moon, Europa. She will publish timely research in this emerging, fast-moving, field.

12. Rebecca Craft  
Department of Psychology  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Craft will learn to conduct assays to measure various parameters of immune system activation in Dr. Alan Goodman's laboratory in the School of Molecular Biosciences at WSU. She will learn about immune cell proliferation and cytokine production and obtain preliminary data on sex differences in the effects of a cannabinoid (marijuana-like) drug on the immune system.

13. Dennis DeHart  
Department of Fine Arts  
Leave Period Requested: August 17, 2016 - May 15, 2017  
Purpose of Leave: Associate Professor DeHart will continue his creative research in fine art photography through several artistic residencies and concentrated studio work. He will produce exhibitions, artist books and prints, focused on identity, place, and community. He will develop additional funding opportunities through art and cultural organizations including applying for a Fulbright to the Netherlands, and a Guggenheim to support his project, Confluences.

14. Ryan Hare  
School of Music  
Leave Period Requested: August 16 - December 31, 2016  
Purpose of Leave: Dr. Hare will work on his Symphony No. 1 for orchestra and will complete at least one major movement.
15. Noriko Kawamura  
Department of History  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Kawamura will start a five-year book project, Emperor Hirohito’s Cold War to be published by the University of Washington Press. She will visit Tokyo, Washington, D.C., and Stanford to gather and study crucial primary and secondary sources.

16. David Leonard  
Department of Critical Culture, Gender, and Race Studies  
Leave Period Requested: August 16 - December 31, 2016  
Purpose of Leave: Dr. Leonard will complete a monograph on race, gun violence and media narratives. He will also start his next project, which deals with activism in the era of Ferguson.

17. Haijun Li  
Department of Mathematics and Statistics  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Li will carry out research on multivariate ruin theory with Jun Cai at University of Waterloo. He will also investigate coherent risk with Alfred Muller at Universitat Siegen. He plans to complete a monograph on multivariate risk and to submit grant proposals to the National Science Foundation.

18. Xinmin Liu  
Department of Foreign Languages and Cultures  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Liu will complete his monograph on Ecocriticism and Studies of Landscape in China. He will serve as a Research Fellow at the Center for Chinese Studies, Central National Library, Taipei, Taiwan and then as a Visiting Scholar at the University of Idaho.

19. Carolyn Long  
School of Politics, Philoshopy, and Public Affairs  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Long will: (1) improve her teaching by lecturing in a foreign setting and by incorporating a comparative perspective into her course; (2) enhance her administrative skills by working with departmental and college leaders; and (3) learn innovative ways to use web-based technology to improve interactions with graduate students in other countries.

20. Carmen Lugo-Lugo  
Department of Critical Culture, Gender, and Race Studies  
Leave Period Requested: January 1 - May 15, 2017  
Purpose of Leave: Dr. Lugo-Lugo will work on a book proposal, tentatively titled Contagion after 9/11: American Anxieties and Perceived Global Health Threats. She will complete preliminary research for the book and will work on three refereed articles.
21. Faith Lutze  
Department of Criminal Justice and Criminology  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Lutze will serve as an on-site research analyst at Airway Heights Correctional Center where she will study the effectiveness of correctional industries on offender change. Work is considered to be an essential component of prisons, important to both institutional management and to offender change. Surprisingly, little is known about how work is implemented in prison or its effectiveness.

22. Clayton Mosher  
Department of Sociology  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Mosher will initiate research on two book manuscripts and complete a third book that is currently under contract. He will submit several papers for publication and apply for grants. He will reside in Brisbane Australia and Vancouver, Canada for parts of the leave.

23. Michael Myers  
School of Politics, Philosophy, and Public Affairs  
Leave Period Requested: January 1 - May 16, 2017  
Purpose of Leave: Dr. Myers will complete his book, *Place and Space in Israel and Palestine: A Way Forward*. The book will argue that while space in Israel/Palestine is confined, contested and finite, there is good reason to hope for a place that is plural, peaceful and conceptually without limit. He will conduct field research in Israel/West Bank.

24. Vilma Navarro-Daniels  
Department of Foreign Languages and Cultures  
Leave Period Requested: January 1 - May 15, 2017  
Purpose of Leave: Dr. Navarro-Daniels will write a book-length manuscript about the traces of ancient Greek mythology in Latin American and Spanish Literature and Film. Her interdisciplinary project will bring together major fields in the Humanities such as Classical Studies, Philosophy, Social Sciences, Cultural Studies, Literature, and Film Studies. She will conduct research at the Center of Classical Studies in Giuseppina Grammatico Amari and the Department of Hispanic Literature, both at the Metropolitan University of Sciences of Education, Santiago, Chile.

25. Wendy Olson  
Department of English  
Leave Period Requested: January 15 - May 15, 2017  
Purpose of Leave: Dr. Olson will complete data analysis and dissemination of the results of her grant focused on understanding writing transfer and improving the writing performance of undergraduate engineering students. The grant is funded by the National Science Foundation. If she can obtain additional funding, she will also interview engineer professionals around the Pacific Northwest.
26. Travis Ridout  
School of Politics, Philoshopy, and Public Affairs  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Ridout will examine media coverage of campaign finance and the groups involved in political advertising. He will also examine the impact of this media coverage on citizen knowledge and the effectiveness of group-sponsored advertising. He will visit Boston, Massachusetts or Princeton, New Jersey, and Nottingham, United Kingdom.

27. Karen Savage  
School of Music  
Leave Period Requested: January 1 - May 15, 2017  
Purpose of Leave: Dr. Savage will expand her duo piano repertoire and receive coaching from prominent artist-teachers and a Juilliard composer. These activities will equip her to participate in future international performances. They will also make her more competitive for classical music grant funding and help to refine her teaching.

28. Elissa Schwartz  
Department of Mathematics and Statistics, and School of Biological Sciences  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Schwartz will develop mathematical models of virus infection, specifically, bacteriophage dynamics in the presence of inhibition. She will conduct research in Bangalore, India, in collaboration with mathematician Dr. Seema Nanda. The research will result in manuscripts, grant proposals, and will improve her mathematical biology courses.

29. Steven Tomsovic  
Department of Physics and Astronomy  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Tomsovic will pursue a highly significant and challenging research project on developing wave packet methods for Fermionic and Bosonic many-body systems. His research will involve collaborations and visits to the University of Regensburg, Germany, and to the Indian Institute of Technology Madras, Chennai, India.

30. Michael Tsatsomeros  
Department of Mathematics and Statistics  
Leave Period Requested: January 1 - May 15, 2017  
Purpose of Leave: Dr. Tsatsomeros will study the placement of the eigenvalues of matrices and matrix polynomials. Eigenvalues dictate the asymptotic behavior of the dynamical systems used in the physical and social sciences. He will seek criteria that the eigenvalues lead to stable equilibria. The research will take place in Greece, Canada and the United States.
31. Jeffrey Vervoort  
School of the Environment  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: The Earth appears to go through an important transition in how continental crust is formed from the early regime prior to 3.5 billion years to a more modern regime after that time. Dr. Vervoort will examine these time periods in two areas where they are best exposed: Western Greenland and Western Australia.

32. John Wolff  
School of the Environment  
Leave Period Requested: January 1 - May 15, 2017  
Purpose of Leave: Volcanic superruptions have been responsible for catastrophic climate modification and mass extinctions through Earth's history. Dr. Wolff will examine how super-sized magma bodies are assembled and primed for eruption. He will develop laboratory techniques at New Mexico State University and learn modeling approaches at ETH Zurich.

33. Darryl Wood  
Department of Criminal Justice and Criminology  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Wood will analyze data from the National Intimate Partner and Sexual Violence Survey to consider the relationship between the severity of intimate partner violence and women’s health as mediated by socio-economic disparities. This research responds to the University’s ‘sustaining health’ Grand Challenge. He will work with a victimologist from the University of Colorado-Denver.

34. Guy Worthy  
Department of Physics and Astronomy  
Leave Period Requested: August 16 - December 31, 2016  
Purpose of Leave: Dr. Worthy will travel to the National Optical Astronomy Observatory headquarters in Tuscon, Arizona. He will develop the observational techniques needed to apply the theoretical tools that he invented to tackle fundamental questions in galaxy evolution.

College of Education

35. Kasee Hildenbrand  
Educational Leadership, Sport Studies & Educational/Counseling Psychology  
Leave Period Requested: January 1 - May 15, 2017  
Purpose of Leave: Dr. Hildenbrand will complete validation of the impact sensors that she uses in her research on concussions. This validation will better position her for future grant funding. She will also develop research on shame and its relationship to recovery from injury.
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College of Nursing

36. Julie Postma
    Puyallup Research & Extension Center
    Leave Period Requested: August 16, 2016 - May 15, 2017
    Purpose of Leave: Dr. Postma will promote patient engagement among parents of
    children with asthma through the use of electronic health records. Three activities will
    support writing a full grant proposal. She will conduct a systematic literature review,
    engage with key stakeholders, and conduct a pilot project within the MultiCare Health
    System in South Puget Sound.

College of Veterinary Medicine

37. Suzanne Appleyard
    Integrative Physiology and Neuroscience
    Leave Period Requested: August 16, 2016 - May 15, 2017
    Purpose of Leave: Dr. Appleyard will establish collaborations with world leaders in human
    genetic screens at the University of Cambridge. This activity will benefit WSU by
    increasing the competitiveness of her research program for extramural funding and by
    enhancing the international reputation of the University.

38. Cynthia Cooper
    School of Molecular Biosciences
    Leave Period Requested: August 16, 2016 - May 15, 2017
    Purpose of Leave: Dr. Cooper will collaborate with world class scientists to learn new
    research techniques, to generate new laboratory resources, to collect data for
    manuscripts and to write collaborative grant proposals. These activities will improve her
    productivity and scholarly output.

39. Terry Hassold
    School of Molecular Biosciences
    Leave Period Requested: August 22 - December 20, 2017
    Purpose of Leave: Dr. Hassold will collaborate with researchers at The Jackson Laboratory.
    He will focus on how human and mouse chromosomes interact and "crossover" during
    meiosis, events essential for formation of normal sperm and eggs. He will examine
    possible chromosome-specific variation and collect preliminary data for a grant proposal
    to the National Institutes of Health.

40. Stephen Hines
    Veterinary Microbiology and Pathology
    Leave Period Requested: September 1, 2016 - May 31, 2017
    Purpose of Leave: Dr. Hines will study new curricula at Harvard Medical School (HMS)
    and at the University of California -Davis with the goal of implementing similar active
    learning approaches at WSU. He will study faculty development and educational research
    programs at HMS and at the University of California San Fransisco School of Medicine in
    order to improve similar innovative programs in his home college.
41. Patricia Hunt  
School of Molecular Biosciences  
Leave Period Requested: August 22 - December 20, 2016  
Purpose of Leave: Dr. Hunt has discovered an environmentally-induced effect on spermatogenesis that impacts a process that she and the colleagues that she will visit have been working to understand. The research will be published and preliminary data should support an extramural grant.

42. Leslie Sprunger  
Integrative Physiology and Neuroscience  
Leave Period Requested: September 1, 2016 - May 31, 2017  
Purpose of Leave: Dr. Sprunger will prepare manuscripts dealing with veterinary anatomy instruction. She will also review physiology curricula in other highly-ranked professional programs and develop new physiology curricula for further consideration by the faculty in her college. Finally, she will increase her proficiency in 3D modeling and printing of anatomical teaching models.

43. Gary Wayman  
Integrative Physiology and Neuroscience  
Leave Period Requested: August 16, 2016 - May 15, 2017  
Purpose of Leave: Dr. Wayman will train with world leaders in the field of genetic screens at the University of Cambridge. This training will benefit WSU by 1) increasing institutional expertise, 2) increasing the competitiveness of grant applications, and 3) increasing WSU's international exposure.

Libraries

44. Linda Joyce Frederiksen  
WSU Vancouver Library  
Leave Period Requested: January 1 - June 30, 2017  
Purpose of Leave: Librarian Frederiksen will study current practices in Open Educational Resources (OER). She will design a graduate-level OER course, collaborate with a WSU Vancouver faculty member to locate high-quality resources for an upper-division psychology class, and communicate the lessons that she learns.

Voiland College of Engineering and Architecture

45. Prashanta Dutta  
School of Mechanical and Materials Engineering  
Leave Period Requested: January 1 - May 15, 2017  
Purpose of Leave: Dr. Dutta will initiate a collaborative project with researchers at the Technical University of Darmstadt, Germany for high-throughput separation of cancer biomarkers in a microfluidic device. He will develop numerical models to design a microfluidic platform for the separation of healthy cells from cancerous cells. The platform will be tested experimentally.
46. Lawrence Holder  
   School of Electrical Engineering and Computer Science  
   Purpose of Leave: Dr. Holder will advance the commercialization of the smart  
   environment mobile applications being developed at WSU. During his leave, he will  
   establish a company from which this technology can be licensed and sold commercially.  
   He will also pursue funding for the company and WSU.

47. Heping Liu  
   Department of Civil and Environmental Engineering  
   Leave Period Requested: August 17, 2016 - December 31, 2016  
   Purpose of Leave: Dr. Liu will study how ecosystem-atmosphere interactions respond to  
   climate variability differently over arid and semi-arid regions. He will also study how  
   inland waters contribute to carbon emissions as climate changes. This collaboration with  
   faculty members at Lanzhou University, Lanzhou, China will lead to publications, research  
   proposals, and further collaborations.

48. Anurag Srivastava  
   School of Electrical Engineering and Computer Science  
   Leave Period Requested: August 16, 2016 - May 15, 2017  
   Purpose of Leave: Dr. Srivastava will develop the interdisciplinary expertise needed for  
   engineering the better electric grid by visiting Massachusetts Institute of Technology and  
   Universities in Germany and Canada. He will also visit National Laboratories in Idaho and  
   Illinois, General Electric in Redmond, Washington; PJM in Philadelphia, Pennsylvania,  
   CPRI in Bangalore, India, and RTE in Paris, France.

49. Bernard Van Wie  
   School of Chemical Engineering and Bioengineering  
   Leave Period Requested: January 1 - May 15, 2017  
   Purpose of Leave: Dr. Van Wie will build expertise in isolating cardiovascular stem cells  
   from circulating blood through protective polymer coating. He will also assess the  
   efficacy of desktop learning modules in diverse settings through interactions at the  
   University of Kentucky, Lexington and Paducah campuses.

50. Richard Watts  
   Department of Civil and Environmental Engineering  
   Leave Period Requested: August 16, 2016 - January 8, 2017  
   Purpose of Leave: Dr. Watts will pursue collaborations with the environmental  
   remediation industry including Peroxychem in Philidelphia, Pennsylvania and In Situ  
   Oxidative Technologies in Princeton, New Jersey. His work will focus on field and  
   laboratory studies that will enhance technology development resulting in the submission  
   and licensing of patents, industrial funding, and collaborative proposals.