January 2018

The Office of Research wishes you a Happy New Year and a smooth start to the winter 2018 quarter!

We are pleased to introduce our quarterly **Office of Research Roundup** highlighting the diverse and impactful scholarship contributions made by UW Tacoma faculty in the past (fall) quarter, as well as Office of Research news and events. In this issue:

- Recent publications
- New sponsored awards
- Announcing the Collaborative Publicly Engaged Scholarship Fund Awards
- Recent events and workshops
- Upcoming events and deadlines
- Funding agency policy changes and other FYIs

Please do not hesitate to **let us know** if you have suggestions about how we might make the Roundup most useful to you!

Recent publications

UW Tacoma faculty published an impressive body of work in peer-reviewed outlets during the fall 2017 quarter*. Congratulations to the following authors:

Yan Bai, Institute of Technology (with co-authors):
"A decentralized trustworthy context and QoS-Aware service discovery framework for the internet of things" in *IEEE Access*

Paulo Barreto, Institute of Technology (with co-authors):
"CAKE: Code-Based Algorithm for Key Encapsulation" in *Cryptography and Coding*

Sunny Cheng, Nursing & Healthcare Leadership (with co-authors):
"Scale of body connection: A multi-sample construct validation study" in *PloS one*

"From manageable to losing control: a grounded theory study of psychosis risk syndrome" in *Early Intervention in Psychology*

Erin Casey, Social Work & Criminal Justice (with co-authors):
"Emerging adults in substance misuse intervention: Pre-intervention characteristics and responses to a motivation-enhancing program" in *Addiction Science & Clinical Practice*

Emily Cilli-Turner, SIAS, Science & Mathematics (with co-authors):
"Inquiry as an entry point to equity in the classroom" in *International Journal of Mathematical Education in Science and Technology*

Marion Eberly, Milgard School of Business (with co-authors):
"On the next decade of research in voluntary employee turnover" in *The Academy of Management Perspectives*

Charles Emlet, Social Work & Criminal Justice (with co-authors):

"Plan of Action for Real-World Translation of LGBTQ Health and Aging Research" in *LGBT Health*

"Timing and diagnosis: Understanding resilience narratives of HIV positive older adults diagnosed pre- and post-HAART" in *Journal of Gerontological Social Work*

Marian Harris, Social Work & Criminal Justice:

Co-Editor of *Children of incarcerated parents: Challenges and promises* published by Routledge-Taylor & Francis

Natalie Jolly, SIAS, Social & Historical Studies

"Cutting through the discussion on caesarean delivery: birth practices as social practices" in *Health Sociology Review*

"Envisioning mothers: Visualizations and the invisibility of motherhood" in *Journal for the Motherhood Initiative*

"Birthing new kinships: The cross-pollination potential of Amish health research" in *Journal for Amish and Plain Anabaptist Studies*

Maureen Kennedy, SIAS, Science & Mathematics (with co-authors):

"Predicting forest floor and woody fuel consumption from prescribed burns in southern and western pine ecosystems of the United States" in *Forest Ecology and Management*

Ed Kolodziej, Center for Urban Waters (with co-authors):

"Evaluation of semi-volatile contaminant transport in a novel, gas-tight direct contact membrane distillation system" in *Desalination*

"Environmental photochemistry of dienogest: Phototransformation to estrogenic products and increased environmental persistence via reversible photohydration" in *Environmental Science: Processes & Impacts*

Patsy Maloney, Nursing & Healthcare Leadership:

"The Association Board as Servant Leader" in *Journal for Nurses in Professional Development*

Altaf Merchant, Milgard School of Business (with co-authors):

"Should Cookie Monster adopt a healthy lifestyle or continue to indulge? Insights into brand icons" in *Psychology & Marketing*

George Mobus, Institute of Technology (Emeritus):

"A framework for understanding and achieving sustainability of complex systems" in *Systems Research and Behavioral Science*

Gregory Rose and **Atlaf Merchant**, Milgard School of Business (with co-author):

"Is Old Gold? How heritage "sells" the University to prospective students: The impact of a measure of brand heritage on attitudes toward the University" in *Journal of Advertising Research*

Dan Shugar, SIAS, Science & Mathematics (with co-authors):

"Sedimentology and geomorphology of a large tsunamigenic landslide, Taan Fiord, Alaska" in *Sedimentary Geology*

"Late Quaternary landscape evolution in a region of stable postglacial relative sea levels, British Columbia central coast, Canada" in *BOREAS: An International Journal of Quarternary Research*

Jim Thatcher, Urban Studies:

"You are where you go, the commodification of daily life through 'location'" in *Environment and Planning A*

Kayee Yeung, Institute of Technology (with co-authors):

"Reproducible Bioconductor workflows using browser-based interactive notebooks and containers" in *Journal of the American Medical Informatics Association*

"Model-based clustering with data correction for removing artifacts in gene expression data" in *The Annals of Applied Statistics*

Eliza (Xia) Zhang, Milgard School of Business (with co-authors):
  "Is Real Earnings Smoothing Harmful? Evidence from Firm-Specific Stock Price Crash Risk"
  in *Contemporary Accounting Research*

*Note: This list comprises all known publications publicly released (including on-line) between Sept 1-Dec 31, 2017, as reported through a search of the Scopus database of peer-reviewed literature.

Do you have a recent publication not identified here? **Let us know!**

Congratulations to recipients of new sponsored awards*!

Uba Backonja, Nursing & Healthcare Leadership
  Solutions in Health Analytics for Rural Equity across the Northwest (co-Director; Lead PI: Betty Bekemeir, UW School of Public Health)
  U.S. Department of Health and Human Services

Joel Baker, Center for Urban Waters
  Puget Sound Action Agenda Implementation
  Puget Sound Partnership/Environmental Protection Agency

Tessa Francis, Center for Urban Waters
  Marine and nearshore grant program
  WA State Dept. of Fish & Wildlife/Environmental Protection Agency

Jim Gawel, SIAS/SAM
  Wapato Lake alum treatment study
  Metro Parks Tacoma

Andy James, Center for Urban Waters
  Characterization of contaminants of emerging concern in regional waters
  WA State Dept. of Ecology/Environmental Protection Agency

Ed Kolodziej, Center for Urban Waters
  Stormwater chemical characterization and watershed prioritization
  WA State Dept. of Ecology/Environmental Protection Agency
  Assessment of hyporheic zone water quality in Thornton Creek
  Seattle Public Utilities

Jose Rios, School of Education
  The next generation of STEM teacher preparation in Washington State
  Western Washington University/National Science Foundation

Matt Tolentino, Institute of Technology
  Characterization and accelerating real-time IoT applications using FPGAs
  National Science Foundation

*Note: This list comprises all new sponsored research awards awarded between the start of Fiscal Year 2018 (July 1, 2017) through Dec 31, 2017 and for which a UW Tacoma organization is specified as lead, as reported by the UW Business Intelligence portal.

Have you recently received an award not identified here? **Let us know!**

Announcing the Collaborative Publicly Engaged Scholarship (CPES) Fund awardees!

Six proposals were selected through the Office of Research's **recent CPES Fund solicitation**, which provides small grants to support faculty in conducting publicly engaged scholarship through meaningful, mutually beneficial community partnerships. Proposals were reviewed by a multi-disciplinary committee of faculty, staff, and students. This year's recipients are:

Eyhab Al-Masri, Institute of Technology
Transforming computing education using experiential learning

Professor Al-Masri will work with local industry partners to develop a pilot study designing and integrating hardware prototyping platforms that support experiential learning, thus bridging a crucial gap between classroom learning and the workplace for computer science and engineering students.

Karen Cowgill, SIAS/SAM and
Natalie Jolly, SIAS/SHS
A qualitative study to describe pregnancy experiences of African American women in Pierce County

Professors Cowgill and Jolly's research will generate a rich set of qualitative data about African American women's lived experiences of pregnancy and childbirth in Pierce County to inform the Tacoma-Pierce County Health Department work around racial disparity in infant and maternal mortality.

Vanessa de Veritch Woodside, SIAS/CAC & **Rachel Hershberg**, SIAS/SHS
Displacement, detention, and integration of immigrants and refugees in the South Sound

Professors de Veritch Woodside and Hershberg will partner with the Tacoma Community House, Northwest Immigrant Rights Project, and Advocates for Immigrants in Detention Northwest to develop and conduct a study documenting the experiences of immigrants and refugees who are integrating into South Sound communities after being detained at the Northwest Detention Center.

Charles Emlet, Social Work & Criminal Justice
Building an age-friendly Puyallup

Professor Emlet will complete data analysis and develop a three-year action plan in partnership with community stakeholders, the AARP, and an undergraduate research assistant as part his ongoing work with the Puyallup Area Aging in Community Committee.

Matt Tolentino, Institute of Technology and **Marcy Stein**, School of Education
Smart bookmarks: Using voice-activated devices during book reading to increase access and learning of STEM content for low-income children

Professors Tolentino and Stein will partner with the Franklin Pierce and Bremerton school districts to design and build a prototype for a novel voice-interactive "Smart Bookmark" device that prompts readers to request additional information, provides enhanced content to spark deeper engagement and comprehension, and collects key analytics to support refinement of the tool as well as future research.

Anaid Yerena, Urban Studies
Shaping student perceptions of homelessness: The role of a publicly engaged course

Professor Yerena will collaborate with the Mockingbird Society, a local organization that serves homeless youth, to define a process evaluation to be conducted by students in a Masters of Community Planning course. She will concurrently collect data from students to analyze the impacts of service learning pedagogy on perceptions about homelessness.

Recent Events and Workshops

Materials from the five **faculty development workshops** offered by the Office of Research in fall 2017 are now available **on our website**, including:

- **Early Career Funding Opportunities** (offered by UW Seattle Office of Research)
- **National Science Foundation (NSF) Day** at UW Tacoma
- **Research Funding**
- **Institutional Review Board (IRB) Submissions**
- **Introduction to Proposal Writing**

Videos of the two **'lightning round' talks** co-hosted this fall by the Office of Research are also available on our website and are testaments to the intellectual breadth and geographical scope of our faculty's scholarly contributions – Check them out!

- **Fall 2017 Faculty Research Lightning Round**
- **Fall 2017 Global Lightning Round**

Upcoming Events and Deadlines

We hope you will join us for the below **winter 2018 Faculty Development Workshops**, with more to be announced soon!

Collaborative Publicly Engaged Scholarship (CPES) Fund Recipients	**Royalty Research Fund (RRF) Proposals**	**Introduction to Research Administration**
Tues. Jan 18th 12:30pm TLB 307b	Thurs. Jan 25th 12:30pm TLB 307b	Thurs. Feb 1st 12:30pm TLB 307b
Please join us as we learn about the six projects funded as part of this year's CPES Fund (listed above) from the faculty PIs.	Please join us to gain valuable insight into the RRF proposal process, review criteria, and funding patterns, as well as 'insider tips' from current and past RRF committee members and reviewers.	Please join us to learn about the variety of tools available to PIs for administering and managing sponsored grants.

Look for a complete schedule of winter 2018 research and teaching workshops on **our website** soon.

Upcoming Funding Deadlines:

Deadlines for funding opportunities commonly pursued by UW Tacoma faculty include:

- **Spencer Foundation Small Research Grants** – February 1, 2018
  The Spencer Foundation funds field-initiated research across a multitude of disciplines that broadly aims to improve education at all levels (up to $50,000).

- **Population Health Pilot Research Grants** – February 9, 2018
  This internal grant is open to tri-campus UW faculty to support new interdisciplinary collaborations that promote the health and well-being of individuals, families, and communities (up to $50,000).

- **Royalty Research Fund** (RRF) – March 5, 2018
  RRF awards grants of up to $40,000 to UW faculty across the tri-campus system to launch new research and pave the way for future funding.

Interested in pursuing a grant this quarter? **Contact us** to let us know how we can help!
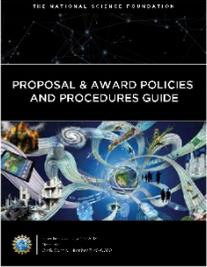
Funding agency policy changes and other FYI

Changes to UW IRB policy and procedures

The UW Human Subjects Division (HSD) has announced **two big changes** that affect research with human subjects:

1) Effective January 12, 2018, investigators wishing to use an external IRB instead of a UW IRB must follow new procedures, as outlined **here** on the UW HSD website.

2) Effective January 25, 2018, investigators preparing a NIH proposal that involves multiple sites must comply with the NIH Single IRB policy, as detailed **here** on the UW HSD website.

Changes to NSF proposal requirements:

Effective January 29, 2018, NSF requires that all proposals meet the requirements outlined in the **updated Proposal & Award Policies and Procedures Guide**, found **here**.

The most significant of these changes include (among others):

- A page limit of 5 pages for the Budget Justification (up from 3 pages);
- Required use of an updated "Collaborators and Other Affiliations" template; and
- Required inclusion of a section titled "Intellectual Merit" within the Project Description (along with the current requirement for a section titled "Broader Impacts").

For more information about the changes to NSF policy, see NSF's **recent webinar**.

NSF Virtual Grants Conference:

NSF has posted slides and videos from its recent conference, including presentations on NSF Funding opportunities, proposal preparation, merit review, award management, and the CAREER funding program. All materials are available **here**.

Work with us!

Are you looking for funding opportunities, planning to submit a proposal to support your scholarship, and/or interested in talking through ideas for future research this coming quarter? **Please contact us!** Our office is here to support your work in whatever ways are most helpful to you.