We are pleased to present our quarterly Office of Research Roundup highlighting the diverse and impactful scholarly contributions made by UW Tacoma faculty in the past (winter) quarter, as well as Office of Research news and events.

In this issue:
- Recent publications
- New sponsored awards
- Grants Resource Center
- Recent Office of Research events and workshops
- Upcoming workshops and events
- Policy changes and other FYIs
- New available resources

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 and staff published an impressive body of work during the winter 2018 quarter*. Congratulations to the following authors:

Peer-reviewed articles
Julia Aguirre, School of Education (with co-authors): “Curriculum spaces for connecting to children's multiple mathematical knowledge bases” in Journal of Curriculum Studies

Uba Backonja, Nursing and Healthcare Leadership (with co-authors): “Acceptance and perceived usefulness of robots to assist with activities of daily living and healthcare tasks” in Assistive Technology

Chris Beasley, SIAS/Social, Behavioral, and Human Sciences (with co-authors): “Oxford House residents’ attitudes toward medication assisted treatment use in fellow residents” in Community Mental Health Journal


Zhiyan Cao and Arindam Tripathy, Milgard School of Business (with co-authors): “The economics of corporate lobbying” in Journal of Corporate Finance

Erica Cline, SIAS/Science and Mathematics (with co-authors): “Soil metals and ectomycorrhizal fungi associated with American Chestnut hybrids as reclamation trees on formerly coal mined land” in International Journal of Agronomy

Jane Compson, SIAS/Politics, Philosophy, and Public Affairs (with co-editors): “Adverse Meditation Experiences: Navigating Buddhist and Secular Frameworks for Addressing Them” in Mindfulness
Martine De Cock, Institute of Technology (with co-authors): “User Profiling through Deep Multimodal Fusion” in Proceedings of the 11th ACM International Conference on Web Search and Data Mining “Modelling incomplete information in Boolean games using possibilistic logic” in International Journal of Approximate Reasoning

Laura Feuerborn and Kathy Beaudoin, School of Education (with co-author): “Classified staff perceptions of behavior and discipline: Implications for schoolwide positive behavior supports” in Journal of Positive Behavior Interventions


Jim Gawel, SIAS/Science and Mathematics (with co-authors): “Increased exposure of plankton to arsenic in contaminated weakly-stratified lakes” in Science of The Total Environment

Claudia Gorbann, SIAS: “Bong’s Song” in Film Quarterly

Katie Haerling, Nursing and Healthcare Leadership: “Cost-utility analysis of virtual and mannequin-based simulation” in Simulation in Healthcare


Peter Horak, SIAS/Science and Mathematics (with co-author): “50 years of the Golomb–Welch Conjecture” in IEEE Transactions on Information Theory

Ling-Hong Hung and Martine De Cock, Institute of Technology (with co-authors): “Modeling multi-valued biological interaction networks using fuzzy answer set programming” in Fuzzy Sets and Systems

Rupinder Jindal, Milgard School of Business (with co-author): “The dual role of communication in franchise relationships: A franchisee perspective” in Journal of Small Business Management

Larry Knopp, SIAS/Social and Historical Studies (with co-authors): “Urban politics as the unfolding of social relations in place: The case of sexually transmitted disease investigation in mid-Twentieth-century gay Seattle” in International Journal of Urban and Regional Research

Sharon Laing, Nursing and Healthcare Leadership: “Affordable and effective healthcare might simply be mobile healthcare” in Annals of Community Medicine and Practice

Kara Luckey, Office of Research (with co-authors): “Residential preferences, transit accessibility and social equity: Insights from the Denver region” in Journal of Urbanism

William McGuire, SIAS/Politics, Philosophy, and Public Affairs (with co-authors): “Reducing toxic chemical pollution in response to multiple information signals: The 33/50 Voluntary Program and Toxicity Disclosures” in Ecological Economics

William McGuire, Katherine Baird, and Sarah Hampson, SIAS/ Politics, Philosophy, and Public Affairs (with co-authors): “Do Drop Boxes Improve Voter Turnout? Evidence from King County, Washington” in Election Law Journal

Altaf Merchant, Milgard School of Business (with co-authors): “Cognitive outcomes of brand heritage: A signaling perspective” and “The cross-cultural scale development process: The case of brand-evoked nostalgia in Belgium and the United States” in Journal of Business Research

George Mobus, Institute of Technology: “Teaching systems thinking to general education students” in Ecological Modelling

Anderson Nascimento, Institute of Technology (with co-authors: “Commitment and oblivious transfer in the bounded storage model with errors” in IEEE Transactions on Information Theory

Jill Purdy, Milgard School of Business (with co-authors): “Connections and collaboration—Celebrating the contributions of Barbara Gray” in Negotiation and Conflict Management Research

UW Tacoma Office of Research Roundup | Winter 2018
Page 2

“Poor poor dumb mouths, and bid them speak for me: Theorizing the use of personas in practice” in *Technical Communication Quarterly*

Jim Thatcher, Urban Studies (with co-authors): “Speculative and constructively critical GIS” and “The poverty of GIS theory: Continuing the debates around the political economy of GISystems” in *The Canadian Geographer*

Tracy Thompson and Jill Purdy, Milgard School of Business (with co-author): “How entrepreneurial ecosystems take form: Evidence from social impact initiatives in Seattle” in *Strategic Entrepreneurship Journal*

Barb Toews, Social Work & Criminal Justice (with co-authors): “Addressing correctional staff stress through interaction with nature: A new role for occupational therapy” in *Occupational Therapy in Mental Health*

Matthew Tolentino, Institute of Technology (with co-authors): “Tracking Hazardous Aerial Plumes Using IoT-Enabled Drone Swarms” and “Characterizing the Impact of Topology on IoT Stream Processing” in *IEEE 4th World Forum on the Internet of Things*

Weichao Yuwen, Nursing and Healthcare Leadership (with co-author): “Parenting and Adolescents’ Health in Chinese Immigrant Families: Struggling to Find an Eclectic Way” in *GSTG Journal of Nursing and Healthcare*

**Books and Edited Volumes**


Jane Compson, SIAS/Politics, Philosophy, and Public Affairs (with co-editors): *Practitioner’s Guide to Ethics and Mindfulness-Based Interventions* (Springer International Publishing)

Yonn Dierwechter, Urban Studies: *Urban Sustainability through Smart Growth: Intercurrence, Planning, and Geographies of Regional Development across Greater Seattle* (Springer International Publishing)

Sarah Hampson, SIAS/Politics, Philosophy, and Public Affairs (with co-editors): *Mothers, Military, and Society* (Demeter Press)

Marian Harris, Social Work and Criminal Justice (with co-editors): *Children of Incarcerated Parents: Challenges and Promise* (Routledge)

Michael Honey, SIAS/Social and Historical Studies: *To the Promised Land: Martin Luther King and the Fight for Economic Justice* (W.W. Norton & Company)


Jill Purdy, Milgard School of Business (with co-authors): *Collaborating for Our Future: Multistakeholder Partnerships for Solving Complex Problems* (Oxford University Press)


Ingrid Walker, SIAS/Culture, Arts and Communication: *High: Drugs, Desire, and a Nation of Users* (University of Washington Press)
Book Chapters

Susan Johnson, Nursing and Healthcare Leadership: “Workplace bullying in the nursing profession” in *Special Topics and Particular Occupations, Professions and Sectors* (Springer Singapore)

“Workplace bullying in the healthcare sector” in *Workplace bullying and mobbing in the United States* (ABC-CLIO)


Emma Rose, SIAS/Culture, Arts and Culture (with co-authors): “Factors to Actors Implications for Posthumanism in Social Justice Work” in *Posthuman Praxis in Technical Communication* (Routledge)

*Note: This list comprises all known peer-reviewed publications first published, including on-line, during the winter 2018 quarter (Jan 1-Mar 18), as well as books, book chapters, and edited volumes published during the same period and reported to the UWT Library Digital Commons and/or Office of Research.

Do you have a recent publication not identified here? [Let us know](#)

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Congratulations to recipients of new sponsored awards*!

Highlighted Awards:

Ka Yee Yeung-Rhee (PI) with Wes Lloyd (co-I) and Ling-Hong Hung (research scientist), Institute of Technology

Intelligent deployment of containerized bioinformatics workflows on the cloud

*National Institutes of Health, National Institute of General Medical Sciences*

Congratulations to Dr. Yeung-Rhee and her co-investigators on their recent National Institutes of Health (NIH) award, funded through the highly competitive Research Project Grant (R01) program. This award is the largest NIH grant and among the largest of grants from any sponsor in UW Tacoma history. Through a multi-year effort, Drs. Yeung-Rhee, Lloyd, and Hung will deliver technological advances in containers and cloud computing to biomedical researchers who work with big biomedical data but have limited training in computational sciences. Specifically, the investigators will develop a user-friendly drag-and-drop interface to enable biomedical researchers to build and edit containerized workflows. Most importantly, users will be able to deploy and scale selected modules in the workflow on cloud computing platforms in a transparent, yet guided fashion in order to optimize cost and performance and leverage resources from multiple cloud vendors. These tools will allow the biomedical community to optimize the costs associated with cloud computing and to facilitate the replication of scientific results.

This project is a collaboration with Dr. Eric Sobie from the Icahn School of Medicine at Mount Sinai. Drs. Yeung-Rhee and Lloyd will be offering a summer program in bioinformatics and cloud computing to engage students in their federally funded research projects this summer.
Congratulations to Dr. Erica Cline and her collaborators on their success in securing funding through the National Science Foundation (NSF) Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM) Program! This 5-year student support grant responds to a national need to increase the success of students with demonstrated financial need in pursuing STEM degrees. The UWT ACCESS Research Team will specifically work to recruit, retain, and promote post-graduate success for talented low-income students in STEM through several institutional programs including: Community-engaged and use-inspired course-based research experiences; faculty and peer mentoring; campus living learning communities, ongoing engagement with issues of race and equity in science and math; and student scholarships. The research team will investigate outcomes of the program through four controlled studies on student success, retention, identity, and race and equity effects. This project is a collaboration with two additional researchers from UW Seattle, Mary Pat Wenderoth (co-PI) and Elin Bjorling (external evaluator).

Other Recent Awards:

**Greg Benner**, School of Education/Center for Strong Schools
Tacoma Social and Emotional Learning Initiative
*Greater Tacoma Community Foundation/The Wallace Foundation*

**Karen Cowgill**, SIAS/Science and Mathematics
Bringing PRONTO to Democratic Republic of the Congo
*UW Office of Global Affairs Global Innovation Fund*

**Charles Emlet** (Investigator), Social Work and Criminal Justice
Addressing Health Disparities in Washington State: The Role of Social and Economic Inequities in Intersectional Marginalized Populations
*UW Population Health Initiative Pilot Research Grant*

**David Hirschberg**, Center for Urban Waters
Intergovernmental Personnel Agreement with U.S. Army Edgewood Chemical Biological Center
*U.S. Army Engineer Research and Development Center*

**Andy James**, Center for Urban Waters
Skagit County Pollution Identification and Correction Project
*Skagit County, WA/U.S. Environmental Protection Agency*

**Larry Knopp**, SIAS/Social and Historical Studies
Shifting Spatialities and Ontologies of LGBTQ Life in Four U.S. Cities
*UW Royalty Research Fund*
New Sponsored Awards, continued:

Jarek Sierschynski, School of Education
Decolonizing STEM Practices and Technology Integration
*UW Royalty Research Fund*

Weichao Yuwen (PI) with Uba Backonja (co-I), Nursing & Healthcare Leadership
Sleep Innovations for Preschoolers with Arthritis (SIPA): Designing and Pilot Testing a Self-Management Intervention
*Center for Innovation in Sleep Self-Management, UW School of Nursing/ National Institutes of Health, National Institute of Nursing Research*

*Note: This list comprises all new sponsored research awards funded in winter quarter 2018 (December 15 – March 15, 2018) 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!](#)

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**Grants Resource Center**

UW Tacoma recently became an institutional member of the [Grants Resource Center (GRC)](#), a unit of the American Association of State Colleges and Universities that has supported sponsored research programs in higher education since the 1960s. The GRC offers several excellent resources to support faculty in identifying and securing funding to support research and scholarship activities, including the below.

Note that access to many of these resources require log-in through our institutional membership. Please [contact Kara](#) for log-in information, and with any questions about these resources.

- **GrantSearch** database, a comprehensive listing of recurring funding opportunities from federal and private sponsors that is searchable on a number of parameters.
- **Faculty Alert** service in which a customized monthly digest of funding opportunities tied to your individual interest is sent to you based on parameters you’ve specified.
- **Library of funded proposals**, with awarded proposals available by request (through the Office of Research) for 1,500 recurring federal and private foundation funding opportunities.
- **Tailored funding searches** conducted by GRC staff, as needed.
- **Twice-weekly “Bulletin” publication** listing new non-recurring federal funding announcements and **monthly “Deadlines” publication** listing all recurring upcoming federal and private opportunities – The Office of Research will forward this publication to you upon request (contact Kara Luckey to be placed on the distribution list)

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**Recent Events and Workshops**

The Office of Research facilitated or co-hosted seven [faculty development workshops](#) in winter 2018. Materials from several of these sessions are available on our website, including:

- **Royalty Research Fund (RRF) Info Session**
- **Research Administration 101**
- **Why do Students Plagiarize and How can it be Prevented?** (offered by UWT Writing Center)

Materials from earlier 2017-18 workshops are also available on our website, including: Early Career Funding, NSF Funding, Institutional Review Board Submissions, and Introduction to Proposal Writing.

Videos of the [Winter 2018 Publish & Flourish](#) talks celebrating the recent release of books from six UW Tacoma faculty are also available – Check them out [here!](#)
## Upcoming Events and Workshops

We hope you will join us for the below research-focused **Spring 2018 Faculty Development Workshops**

All workshops are held from 12:30-1:30 pm in TLB 307b (Atrium), unless otherwise noted.

### Listening Session: Quantitative Needs on Campus
- **Tues. April 10th**
  Please join staff from the Office of Research and Teaching and Learning Center to share your needs for quantitative and statistical research support, and ideas for how UWT might best provide that support.

### Info Sessions: Fulbright Scholars Program*
- **Mon. April 16th**
- **Thurs. May 17th 2pm**
  Please join the Offices of Research and Global Affairs for an overview of Fulbright programs open to faculty/staff, as well as insight from past recipients.

*Note that the same program will be provided on two dates. Dr. Bill Kunz (Japan) will join April 16th; Dr. Mary Hanneman (India) will join May 17th.

### Discussion with UW Office of Sponsored Programs
- **Wed. May 9th**
  Please join us for an open discussion with Carol Rhodes, Director and Ari Santander, Team A Manager from the UW Office of Sponsored Programs (OSP).

### IRB Submission, with UW Human Subjects Division (HSD) staff
- **Tues. May 24th (tentative)**
  Please join UW HSD staff to discuss current Human Subjects procedures and policies, with a particular emphasis on community-engaged and in-classroom research.

A complete schedule, including several teaching workshops, is available on our website.

## Upcoming UW Seattle events:

Two upcoming workshops on the Seattle campus may be of interest to our faculty:

- **Writing for the General Public** – Thurs. April 5th, 10:45-12:15pm (Mary Gates Hall, Room 389 - Seattle)
  The UW Office of Faculty Advancement and News Office are hosting this workshop for UW-affiliated researchers interested in writing for general audiences. Participants will learn strategies for translating research into articles and posts for a range of outlets.
  Register [here](#).

- **Going Public** - Sat. April 7th, 9am-1pm (Allen Library, Research Commons - Seattle)
  This event aimed at faculty, staff, students, and community members will explore community-engaged and participatory research, citizen science, and public scholarship through a series of workshops and panels with researchers and community participant-scholars.
  Learn more and register [here](#).
Policy Changes and Other FYIs

Clarification from UW Institutional Review Board (IRB) regarding research involving state agencies:

The UW Human Subjects Division (HSD) recently announced clarifications regarding UW research that must be reviewed by Washington State IRB (WSIRB).

WSIRB review is now required under several conditions, including when research involves:

- Collaboration with several state agencies (full list of agencies [here];
- Interaction with individuals affiliated with state agencies (e.g. clients, employees), and/or obtaining identifiable data for state-affiliated individuals (complete list of activities [here]);
- Activities undertake at most state agency’s facilities, even if state personnel will not be involved in research activities.

UW HSD is not authorized to provide a determination about whether research requires WSIRB review. HSD therefore strongly recommends that researchers involved with state resources, even indirectly, contact WSIRB staff prior to obtaining IRB review from any IRB. Researchers are encouraged to initiate this conversation with a phone call to WSIRB staff, followed by an email summarizing your understanding of that discussion. Note that **UW IRB review may also be required**, even if the protocol is also subject to WSIRB review.

Please visit the **UW HSD announcement page** for additional details.

Changes to the NSF Account Management System:

Effective March 26, 2018, NSF will use a new centralized account registration process that provides each user with a single account for all NSF proposal and award activities, including those available in FastLane and Research.gov.

Existing NSF account holders will be migrated to the new system through a one-time operation when signing in to FastLane after March 26, 2018. If you've forgotten your NSF ID, you may access it on the NSF ID Lookup page. Forgotten passwords may be retrieved [here].

New users are able to register directly with NSF through this link: [https://www.research.gov/accountmgmt/#/registration](https://www.research.gov/accountmgmt/#/registration)

Additional information, including FAQs and video tutorials are available [here].

New Available Resources

NCFDD Faculty Success ("Bootcamp") Program now open for registration

Registration is now open for the highly-regarded National Center for Faculty Development and Diversity (NCFDD) Faculty Success Program (FSP), [here]. This 12-week (May-Aug) program is open to all UW Tacoma faculty, although priority is given to assistant and associate faculty using FSP to support tenure and promotion. UW Office of Faculty Advancement will provide one-third of required tuition on a cost-sharing basis with faculty member's own academic unit. Please direct questions to Norma Rodriguez, Director of the Office of Faculty Advancement.

More information about resources available to faculty through UW's NCFDD membership are available on [our website](#).
New Webinars

National Center for Faculty Development and Diversity recently hosted an excellent three-part webinar, *Writing Science: How to Write Proposals that Get Funded and Papers that Get Cited.*

Grants Resource Center also has made available numerous archived webinars, including many that may be of interest to UW Tacoma faculty, including trainings on *Achieving Success with a NIH R01* and *Approaches to NSF Broader Impact Requirements.*

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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.