



UW Tacoma
Office of Research Roundup



Spring 2019

UW Tacoma faculty and staff have had another productive and impactful quarter, as evidenced by the diverse contributions highlighted in the below [Office of Research Roundup](#). In addition to recent publications and awards, this quarter's Roundup also outlines new Office of Research resources that support faculty scholarship, as well as updates on UW and sponsor policies.

We wish you all a restful summer quarter, and remind you that the Office of Research is available throughout the summer to support your research!

In closing, a personal note:

This is the last quarterly Roundup that I will develop on behalf of the Office of Research. It has been my pleasure to highlight the contributions of the UW Tacoma community in this forum. I look forward to seeing how research and scholarship at UW Tacoma continues to grow and evolve!

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Please [let us know](#) if you have suggestions about how to make the Roundup most useful!

UW Tacoma at the 2019 Annual Undergraduate Research Symposium



UW Tacoma had a strong presence at the [Annual Undergraduate Research Symposium](#) held at UW Seattle in May, with over 20 students presenting their independent research with support from 15 UW Tacoma faculty mentors.

Congratulations also to the following faculty mentors and students who presented at the Symposium in either poster or lectern form:

Bonnie Becker (SIAS/SAM)

Student: Grace McKenney (Mary Gates Scholar)

Leighann Chaffee (SIAS/SBHS)

Students: Taylor Boles; Kaylen Tianna Vine

Martine De Cock (SET)

Student: Devin Reich (Mary Gates Scholar)

Margaret Griesse (SIAS/SHS)

Student: Katherine Mijal (Mary Gates Scholar)

Sharon Laing (NHL)

Students: Peter Wangigi; Jason Muncy

Hyoung Lee (SIAS/SBHS)

Students: Luca Samuel; Iris Yoo

Tim Lower (SIAS/SBHS)

Students: Ashley Jordan Santos; Tiarra Dearbone

Julie Masura (SIAS/SAM)

*Students: Kaitlyn Conway (Mary Gates Scholar);
Amelia Lingle*

Benjamin Meiches (SIAS/PPPA)

Student: Theresa Ann Marie Leo

Anderson Nascimento (SET)

Student: Devin Reich (Mary Gates Scholar)

Julie Nicoletta (SIAS/SHS)

Student: Catarina Papagni

Britton Niles (SIAS/SBHS)

Students: Ashley Jordan Santos; Tiarra Dearbone

Peter Selkin (SIAS/SAM)

Students: Eric De Sart; Thomas Kenji Melot

Christine Stevens (NHL)

*Students: Katherine Mijal (Mary Gates Scholar);
Tahni Mcgaughy*

Jack Vincent (SIAS/SAM)

*Students: Angela Mitchell; Miranda Naniloa
Makalena*



Congratulations also to **Sharon Laing** (Nursing and Healthcare Leadership) and her student research assistants **Jason Muncy** and **Peter Wangigi** who co-presented at the American Colleges of Healthcare Executives Congress of Healthcare Leadership in Chicago in March 2019!

Recent publications*

UW Tacoma faculty and staff published an impressive body of work during the spring 2019 quarter. Congratulations to the following authors:

Peer-reviewed articles

Julia Aguirre (SOE), with co-authors: "Engaging teachers in the powerful combination of mathematical modeling and social justice" in *Mathematics Teacher Education*

Uba Backonja (NHL), with co-authors: "Data, capacity-building, and training needs to address rural health disparities in the Northwest United States: A qualitative study" in *Journal of the American Medical Informatics Association*

Yan Bai (SET), with co-authors: "Real-time partitioned scheduling: Exploiting the inter-resource affinity for task allocation on multiprocessors" in *Concurrency and Computation Practice and Experience*

Ruth Bernstein (SIAS/SHS), with co-author: "Ethno-racial diversity on nonprofit boards: A critical mass perspective" in *Nonprofit and Voluntary Sector Quarterly*

with co-authors: "From diversity to inclusion to equity: A Theory of Generative Interactions" in *Journal of Business Ethics*

Martine De Cock and **Anderson Nascimento** (SET), with co-authors: "Weakly supervised deep learning for the detection of domain generation algorithms" in *IEEE Access*

- Charles Emlet** (SWC), with co-authors: "Accounting for HIV health disparities: Risk and protective factors among older gay and bisexual men" in *Journal of Aging and Health*
- with co-authors: "The Global impact of HIV on sexual and gender minority older adults: Challenges, progress and future directions" in *International Journal of Aging and Human Development*
- Laura Feuerborn** (SOE), with co-author: "Mindfulness and social-emotional competencies: Proposing connections through a review of the research" in *Mindfulness*
- Tessa Francis** (CUW), with co-authors: "Parent-offspring conflict over reproductive timing: Ecological dynamics far away and at other times may explain spawning variability in Pacific herring" in *ICES Journal of Marine Science*
- Nicholas Georgiadis** (CUW), with co-authors: "Apparent competition, lion predation, and managed livestock grazing: Can conservation value be enhanced?" in *Frontiers in Ecology and Evolution*
- Rachel Hershberg** (SIAS/SBHS), with co-author: "Fathering within transnational and mixed-status Mayan families: An exploratory study" in *International Perspectives in Psychology: Research, Practice, Consultation*
- with co-authors: "Learning through doing: Reflections on the use of photovoice in an undergraduate community psychology classroom" in *Global Journal of Community Psychology Practice*
- Susan Johnson** (NHL): "Workplace bullying, biased behaviours and performance review in the nursing profession: A qualitative study" in *Journal of Clinical Nursing*
- Tom Koontz** (SIAS/SAM), with co-authors: "Assessing collaborative conservation: A case survey of output, outcome, and impact measures used in the empirical literature" in *Society & Natural Resources*
- Eric Madfis** (SWC), with co-authors: "Are the deadliest mass shootings preventable? An assessment of leakage, information reported to law enforcement, and firearms acquisition prior to attacks in the United States" in *Journal of Contemporary Criminal Justice*
- Benjamin Meiches** (SIAS/PPPA), with co-authors: "Between hagiography and wounded attachment: Raphaël Lemkin and the study of genocide" in *Genocide Studies and Prevention*
- Patsy Maloney** (NHL), with co-authors: "Nursing professional development's spirit of inquiry focus areas" in *Journal for Nurses in Professional Development*
- Itziri Moreno Villamar** (SIAS/CAC), with co-authors: "The role of aspect in the acquisition of ser and estar in locative contexts by English-speaking learners of Spanish" in *Language Acquisition*
- Christopher Schell** (SIAS/SAM), with co-authors: "Advancing urban wildlife research through a multi-city collaboration" in *Frontiers in Ecology and the Environment*
- Jie Sheng** (SET), with co-authors: "On some parameter estimation algorithms for the nonlinear exponential autoregressive model" in *International Journal of Adaptive Control and Signal Processing*
- Ankur Teredesai** (SET), with co-authors: "Development and prospective validation of a machine learning-based risk of readmission model in a large military hospital" in *Applied Clinical Informatics*
- Anaid Yerena** (Urban Studies), with co-authors: "Public housing authorities in the private market" in *Housing Policy Debate*
- Eliza Xia Zhang** (Milgard): "The impact of cash flow management versus accruals management on credit rating performance and usage" in *Review of Quantitative Finance and Accounting*

Book Chapters

- Ji-Hyun Ahn** (SIAS/CAC), with co-author: "Imagining homeland: New media use among Korean international graduate students in the U.S.A." in *Mediated Intercultural Communication in a Digital Age* (Routledge)
- Turan Kayaoglu** (SIAS/PPPA): "The OIC's Human Rights Regime" and (with co-author) "The OIC and Children's Rights" in *The Organization of Islamic Cooperation and Human Rights* (University of Pennsylvania Press)
- Julie Nicoletta** (SIAS/SHS): "Elks Temple," "Old City Hall," "Museum of Glass," "Pantages Theater," "Union Depot," and "University of Washington Tacoma Campus" in *SAH Archipedia: Classic Buildings of Washington* (Society of Architectural Historians and University of Virginia Press)
- Etga Ugur** (SIAS/PPPA): "Religious frames: the gülen movement" in *Oxford Research Encyclopedia of Politics* (Oxford University Press)

Edited Volumes

- Turan Kayaoglu** (SIAS/PPPA), with co-editor: *The Organization of Islamic Cooperation and Human Rights* (University of Pennsylvania Press)

**Note: This list comprises all known peer-reviewed publications first published, including on-line, during the spring 2019 quarter (Mar 25-May 26, 2019), 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? Submit it to the [UW Tacoma Digital Commons](https://digitalcommons.uw.edu/) or email taclibdc@uw.edu

Congratulations to recipients of new research awards*!



Yan Bai (PI, Program co-Director), School of Engineering and Technology, with **Amanda Figueroa** (Program co-Director), Student Transitions Programs and **D.C. Grant** (Lead Instructor), School of Engineering and Technology

GenCyber Tacoma: University of Washington Tacoma 2019 GenCyber Camp for Middle School Students

National Security Agency (NSA)

Congratulations to Dr. Bai, Amanda Figueroa and D.C. Grant who were awarded funds to support a project-based cybersecurity summer learning program for local urban youth who are historically underrepresented in STEM fields. Dr. Bai and the GenCyber team will collaborate with the UW Tacoma Math and Science Leadership program, Boys and Girls Club of Puget Sound, Tacoma Public Schools, Franklin Pierce Schools, local high-tech employers, and other community partners to engage middle school students in hands-on projects, case studies, and cyber challenge projects with the ultimate goal of inspiring diverse groups of young people to pursue cybersecurity education and careers. This year's award will enable UW Tacoma to serve 60 youth in grades 8 and 9 in summer 2019, with opportunities for competitive renewal funding in subsequent years.



Chris Schell (co-PI; SIAS/Sciences and Mathematics) and **Robin Evans-Agnew** (co-PI; Nursing and Healthcare Leadership), with collaborators **Joel Baker** (Center for Urban Waters), **Tomas Koontz** and **Joyce Dinglasan-Panlilio** (SIAS/Sciences and Mathematics)

Voices Unbound: Amplifying Perspectives of Disenfranchised Communities to Provoke Environmental Change

UW EarthLab Innovation Grants Program



Congratulations to Drs. Chris Schell, Robin Evans-Agnew and their collaborators in SIAS/Sciences and Mathematics and Center for Urban Waters, who have been awarded one of the [UW EarthLab](https://earthlab.uw.edu/)'s inaugural Innovation Grants. This award will enable the team to intentionally transform discourses of policymakers around local environmental issues by directly incorporating underrepresented community members' voices in two ways. First, 'Enviro-postcards,' which will be distributed throughout Pierce County through Fall 2019, will ask residents to respond to two questions: (1) "what environmental challenges are most important to you"; and (2) "how are you coping with or surviving these challenges?"

The Enviro-postcard project will culminate in an eco-art gallery that prominently showcases community perspectives on environmental issues and is open to the public. The team will concurrently pilot in-person science booths and a podcast series intended to amplify community voices. Taken together, these activities will promote a novel blueprint for inclusive environmental engagement, thus addressing the considerable gap that exists among the discourse of those who implement environmental policies and the underrepresented communities that disproportionately experience environmental issues. This one-year award will also enable the team to make substantial and meaningful contributions to South Sound communities through urban-serving action research, thus advancing UW Tacoma's Mission and strategic goals.

Other Recent External Awards:



Christine Stevens, Nursing and Healthcare Leadership

Access is not equity: Expanding cultural food resources of UWT Food Pantry and community food banks

The Coalition of Urban Serving Universities / Kresge Foundation



Juhua Hu, School of Engineering and Technology

Student travel grants for the ACM Special Interest Group on Knowledge Discovery and Data Mining 2019 Conference

National Science Foundation



Ed Kolodziej, Center for Urban Waters

RAPID: Characterization of upland watershed contamination from wildland-urban burning

National Science Foundation

Treatment media for control of persistent organic pollutants and metals in stormwater

University of Maryland, College Park / U.S. Department of Defense Strategic Environmental Research and Development Program



Maureen Kennedy, SIAS/Sciences and Mathematics

Land management strategies for confronting risks and consequences of wildfire

University of California, Santa Barbara / National Science Foundation

**Note: This list comprises all new sponsored research awards funded in spring 2019 quarter (Mar 25-May 26, 2019) and for which a UW Tacoma organization is specified as lead (as reported by the UW Business Intelligence portal), as well as internal (UW) awards reported to the Office of Research.*

Have you recently received an award not identified here? [Let us know!](#)

Upcoming funding opportunities

Institute of Translational Health Sciences (ITHS) Early Investigator Catalyst Award – due July 1

Provides 'just-in-time' resources to investigators looking to complete a project or collect pilot data for a larger grant application. Up to \$5,000 in direct costs (no salary support allowed) over a 6-month performance period to support work that would otherwise not be able to advance. More details available [here](#).

Fulbright U.S. Scholar Program – due Sept 16

Supports faculty with U.S. citizenship in teaching and/or conducting research in more than 125 countries through meaningful cross-cultural exchange. More details available [here](#).

Royalty Research Fund (RRF) – due Sept 30

Supports UW faculty across the tri-campus system in launching new research and increasing competitiveness for future external funding. Up to \$40,000 to. More details available [here](#).

Undergraduate Research Funding Opportunities:

UW Levinson Emerging Scholar Award – due summer (deadline TBA)

Supports highly motivated UW juniors and seniors in pursuing creative and advanced bioscience and related research. Awards are not to exceed \$8,000 and cover support costs. More details available [here](#).

Washington Research Foundation Fellowships – due June 16

Supports promising advanced undergraduates in working on creative and sophisticated science and engineering projects under the guidance of UW faculty. Students must have already participated in undergraduate research for at least three quarters. Awards of \$7,500. More details available [here](#).

Interested in pursuing one of the above, or any other, funding opportunities? [Contact Lisa Isozaki!](#)

Recent faculty development workshops – materials available

The Office of Research facilitated or co-hosted several faculty development events this spring. Materials and recordings of many of these, and others from earlier quarters, are available on [our website](#) including:

- ‘R’ Open-Source Statistical Software Series: [Introduction to R and R Studio](#), [Intermediate R: Managing Data](#), and [Data Visualization in R](#) (Chuck Lanfear, Center for Social Science Computation & Research)
- [Fulbright U.S. Scholar Program \(for faculty\) Info Session](#)
- [Washington State Institutional Review Board and Department of Corrections: An Overview of Processes and Requirements](#)

Also, look for videos from our **Spring 2019 Lightning Talks: Faculty-Led Research with Undergraduates** and **Collaborative Publicly-Engaged Scholarship (CPES) Awardee Presentations**, coming soon [here](#)!

New faculty development resources and training

National Center for Faculty Development and Diversity (NCFDD)*

14-Day Writing Challenge: Registration closes June 13th for the NCFDD’s 14-day writing challenge, which provides faculty with a supportive environment in which to commit to writing every day for at least 30 minutes. More information [here](#).

Recent and Upcoming Webinars: A reminder that NCFDD maintains a library of excellent faculty development resources, including the following recent and upcoming webinars that may be of interest to UW Tacoma faculty:

- [Moving from Resistance to Writing](#) – Thurs, June 13 (12:30pm)
- [Moving from Associate to Full Professor](#) – Thurs, June 20 (12:30pm)
- [Navigating the Barriers to Getting your STEM Grant Funded](#) – archived recording
- [Mastering Academic Time Management](#) – archived recording
- [Daily Writing for Academic Scientists and Engineers](#) – recording
- And many more [archived](#) and [upcoming](#) webinars

*Information about resources available to faculty through UW’s NCFDD membership and instructions for activating your account are available on [our website](#).

Policy updates from the UW Seattle Office of Research

Disclosing Foreign Interests in Sponsored Projects

Many federal sponsors, including the National Institutes of Health (NIH) and National Science Foundation (NSF), have recently updated their requirements and guidance around reporting activities to ensure national security. UW researchers supported by federal funding are reminded to:

- Identify any Visiting Scholars involved in a federally-sponsored project as “Key Personnel” in the proposal and/or progress reports, thus triggering the need to submit their “BioSketch” and “Other Support” in the “Personnel Updates” section of progress reports;
- In NIH “Other Support” and NSF “Current and Pending Support” sections: Report *all* monetary and non-monetary support that project personnel receives from other projects (not just salary support), including whether an individual carries out research efforts under affiliation with a foreign institution;
- Disclose all financial interests received from all foreign governments and institutions of higher education;
- Researchers participating in a foreign talent program may not receive Department of Energy funding;
- There are also several changes to the UW’s requirements related to intellectual property.

More details can be found at the UW Seattle Office of Research, [here](#). Questions should be directed to the UW Office of Research at research@uw.edu.

Updated UW Faculty Grants Management Refresher Course (required for active PIs)

The UW Office of Research has recently updated the on-line Faculty Grants Management (FGM) Refresher Course ([here](#)), which provides a 45-minute module-based overview of research compliance, administration, and policies at the UW. All PIs funded by external sponsors are required to participate in the in-person FGM workshop in Seattle at the outset of their first sponsored award, and are required to take the refresher course every four years. If you have any questions regarding this required training, [contact Lisa Isozaki](#).

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? [Contact us!](#) The Office of Research is here to support your work.