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 spring 2018 quarter, as well as Office of Research news and events.

In this issue:
- UW Tacoma at the Annual Undergraduate Research Symposium
- Recent publications
- New sponsored research awards
- Announcing the new “UW Tacoma Publicly Engaged Scholarship Internal Pilot Funding” (in partnership with the UW Royalty Research Fund)
- Recent Office of Research events and workshops
- Upcoming workshops and events
- New resources

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

UW Tacoma at the Annual Undergraduate Research Symposium

UW Tacoma had a strong presence at the Annual Undergraduate Research Symposium held at UW Seattle in May, with over 25 students presenting their independent research with support from nearly 20 UW Tacoma faculty mentors.

In particular, congratulations to Julie Masura (SIAS/SAM), who received the 2018 Research Mentor Award! Julie was one of six faculty across the UW system recognized for their excellent research mentorship of undergraduate students.

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

Bonnie Becker (SIAS/SAM)
Students: Suji Kim; Grace McKenney

Leighann Chaffee (SIAS/SBHS)
Students: Kaylen Vine; Natalia Masterman

D.C. Grant (Institute of Technology)
Student: Bikram Ghura

Cheryl Greengrove (SIAS/SAM)
Students: Tracie Barry

Deborah Macey (SIAS/CAC)
Student: Jenna Marquez

Julie Masura (SIAS/SAM)
Students: Tracie Barry; Jacqueline Busby; Shannon Black; Jessica Kelsey

Altatf Merchant (Milgard School of Business)
Students: Natalie Garces; Genevieve Summers
Margaret Griesse (SIAS/SHS)  
Student: Natalie Lawrence (Mary Gates Scholar)  

Jennifer Harris (SIAS/SBHS)  
Student: Rocky Marks

Rachel Hershberg (SIAS/SBHS)  
Students: Autumn Diaz (Mary Gates Scholar); Sam Larsen (Mary Gates Scholar)

Matt Kelley (Urban Studies)  
Student: Brandon Voelkner

Ed Kolodziej (Center for Urban Waters)  
Student: Sarah White

Michael Kucher (SIAS/SHS)  
Student: Josiah Pollock (Mary Gates Scholar)

Ellen Moore (SIAS/CAC)  
Students: Fadumo Abdirahman; Bryan Barnett; Jeff Salazar

Kathy Peter (Center for Urban Waters)  
Students: Sarah White

Gregory Rose (Milgard School of Business)  
Students: Natalie Garces; Genevieve Summers

Steve Ross (SIAS/SBHS)  
Students: Shannon Taylor, Hue Vo

Peter Selkin (SIAS/SAM)  
Students: Melissa Brainard; Risa Hess; Brandon Voelker

Alexandra Nutter Smith (SIAS/CAC)  
Student: Jeff Salazar

Recent publications

UW Tacoma faculty and staff published an impressive body of work during the spring 2018 quarter*. Congratulations to the following authors:

Peer-reviewed articles

Paulo Barreto (Institute of Technology), with co-authors: “Faster isogeny-based compressed key agreement” in Post-Quantum Cryptography

Margo Bergman (Milgard School of Business), with co-authors: “Exploring genetic numeracy skills in a sample of U.S. university students” in Frontiers of Public Health


Erin Casey (Social Work and Criminal Justice), with co-authors: “Walking the walk or just talk?: A global examination of men’s intentions to take violence preventative action” in Journal of Aggression, Maltreatment & Trauma

Erin Casey (Social Work and Criminal Justice), with co-author: “Perceptions of men who have perpetrated intimate partner violence on creating a transition to fatherhood program” in Journal of Family Violence

Martine De Cock and Anderson Nascimento (Institute of Technology), with co-authors: “Inline DGA detection with deep networks” in IEEE International Conference on Data Mining Workshops

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

Haluk Demirkan (Milgard School of Business), with co-author: “Cultivating T-Shaped professionals in the era of digital transformation” in Service Science

Denise Drevdahl (Nursing and Healthcare Leadership): “Nursing and the social determinants of health” in Nursing Research;

“Culture shifts: From cultural to structural theorizing in nursing” in Nursing Research; "Public health nurses' graduate education decision making processes” in Journal of Professional Nursing

with co-authors, “Trends in health disparities, health inequity, and social determinants of health research: A 17-Year Analysis of NINR, NCI, NHLBI, and NIMHD Funding” in Nursing Research

Yonn Dierwechter (Urban Studies): “What's smart growth got to do with smart cities? Searching for the 'smart city region' in greater Seattle” in Territorio
Robin Evans-Agnew (Nursing and Healthcare Leadership), Ariana Ochoa Camacho (SIAS/SHS) and Rachel Hershberg (SIAS/SBHS), with co-authors: “Development and pilot testing of a bilingual environmental health assessment tool to promote asthma-friendly childcares” in Progress in Community Health Partnerships: Research, Education and Action

Tessa Francis (Center for Urban Waters), with co-authors: “When are estimates of spawning stock biomass for small pelagic fishes improved by taking spatial structure into account?” in Fisheries Research

Nicholas Georgiadis (Center for Urban Waters), with co-authors: “Evolutionary and demographic processes shaping geographic patterns of genetic diversity in a keystone species, the African forest elephant (Loxodonta cyclotis)” in Ecology and Evolution

D.C. Grant (Institute of Technology): "Distributed detection and response for the mitigation of distributed denial of service attacks" in International Conference on Information Networking

with co-author: "Interacting with intelligent assistants to predict consumer satisfaction" in ATINER International Conference on Information Technology & Computer Science

Janelle Hawes (Social Work and Criminal Justice): “Crossover youth and gender: What are the challenges of girls involved in both the foster care and juvenile justice systems?” in Children and Youth Services Review


Shalini Pratap Jain (Milgard School of Business), with co-author: “Power distance belief and preference for transparency” in Journal of Business Research

Rupinder Jindal (Milgard School of Business), with co-authors: “Factors influencing hospital readmission penalties: Are they really under hospitals’ control?” in Decision Support Systems

with co-authors: “Selling, general, and administrative expense (SGA)-based metrics in marketing: conceptual and measurement challenges” in Journal of the Academy of Marketing Science

Maureen Kennedy (SIAS/SAM), with co-authors: “The dangers of disaster-driven responses to climate change” in Nature Climate Change

JaeRan Kim (Social Work and Criminal Justice), with co-authors: “Voluntary placements in child welfare: A comparative analysis of state statutes” in Children and Youth Services Review

Larry Knopp (SIAS/SHS), 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

Tom Koontz (SIAS/SAM), with co-author: “Resource asymmetry and property rights in agricultural drainage systems: Implications for collective action” in International Journal of the Commons

Fei Leng (Milgard School of Business), with co-author: “Relative value in corporate bond sectors” in Review of Quantitative Finance and Accounting

Timothy Lower (SIAS/SBHS), with co-authors: “Breastfeeding outcomes in Washington state: Determining the effect of Loving Support Peer Counseling Program and characteristics of participants at WIC agencies” in Journal of Nutrition Education and Behavior

Kara Luckey (Office of Research): “Affordable for whom? Introducing an improved measure for assessing impacts of transportation decisions on housing affordability for households with limited means” in Research in Transportation Business & Management

Eric Madfis and Jeffrey Cohen (Social Work and Criminal Justice): “Female involvement in school rampage plots” in Violence and Gender

Eric Madfis (Social Work and Criminal Justice), with co-author: “Media coverage of mass killers: Content, consequences, and solutions” in American Behavioral Scientist

Chris Marriott (Institute of Technology), with co-authors: “Social learning and cultural evolution in artificial life” in Artificial Life

Sushil Oswal (SIAS/CAC): “Can workplaces, classrooms, and pedagogies be disabling?” in Business and Professional Communication Quarterly

Claudia Sellmaier (Social Work and Criminal Justice), with co-authors: “Development and psychometric testing of the transition service provider competency scale” in Journal of Behavioral Health Services and Research

Eugene Silvadas (Milgard School of Business), with co-author: “Corporate social responsibility and word-of-mouth intentions” in Indian Journal of Marketing

Dan Shugar (SIAS/SAM), with co-authors: “Climate change and the global pattern of moraine-dammed glacial lake outburst floods” in The Cryosphere

with co-authors, “Boundary: mapping and visualizing climatically changed landscapes at Kaskawulsh Glacier and Kluane Lake, Yukon” in Journal of Maps

with co-authors, “Evolution and controls of large glacial lakes in the Nepal Himalaya” in Remote Sensing

Josh Tenenberg and Donald Chinn (Institute of Technology), with co-authors: “More than the code: Learning rules of rejection in writing programs” in Communications ACM


Matt Tolentino (Institute of Technology), with co-author: “The performance impact of pushing cloud-based voice interaction pipelines to the edge” in ACM International Conference on Computing Frontiers

Arindam Tripathy (Milgard School of Business), with co-author: “Impact of IFRS adoption on reporting of firm efficiency: Case of Indian IT firms” in International Journal of Accounting, Auditing and Performance Evaluation

Book Chapters


Jim Gawel (SIAS/SAM), with co-authors: “The new Spirit Lake: Changes to hydrology, nutrient cycling, and biological productivity” in Ecological Responses at Mount St. Helens: Revisited 35 Years after the 1980 Eruption (Springer)

Donata Harper (Social Work and Criminal Justice): “What’s holding women back from creating leadership parity?” in Leadership for Improvement: Perceptions, Influences and Gender Differences (Nova Science Publishers)

Dan Shugar (SIAS/SAM), with co-authors: “Changing glaciers, changing rivers” in State of the Mountains (Alpine Club of Canada)


*Note: This list comprises all known peer-reviewed publications first published, including on-line, during the spring 2018 quarter (Mar 19-June 8, 2018), 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!
Congratulations to recipients of new sponsored awards*!

Highlighted Award:

**Sarah Hampson** (PI), SIAS/Politics, Philosophy, and Public Affairs (with co-Investigator Jamie Huff, Bridgewater State University)

Mobilizing Title IX: Assessing Activist Goals and Institutional Responses

*UW Royalty Research Fund*

Congratulations to Dr. Hampson on her successful proposal to the UW Royalty Research Fund! Dr. Hampson will be employing a legal mobilization framework to investigate the motivations, goals, and strategies of activists who are mobilizing around Title IX of the Education Amendment of 1972 and other legal requirements that govern how colleges and universities must respond to sexual violence occurring at their institutions. Dr. Hampson and her co-investigator will specifically consider how activists envision the broader effects of the law and use it to achieve social change. They will also explore how university Title IX coordinators implement changing protocols to understand where activist motivations and administrative responses converge and diverge, and why.

Other Recent Awards:

**Sunny Cheng**, Nursing and Healthcare Leadership

Psychosis Risk Syndrome Experience of Caregivers of Patients with Schizophrenia in the US: A Mixed Methods Study

*Sigma Theta Tau International Honor Society of Nursing*

**John Finke**, SIAS/Science and Mathematics

Sugar profiling of antibody drugs used to treat Alzheimer's Disease

*M.J. Murdock Charitable Trust*

**Tessa Francis**, Center for Urban Waters

Subtidal monitoring of shoreline restoration effectiveness

*Washington Department of Fish & Wildlife*

**Jim Gawel**, SIAS/Science and Mathematics

Clark's Creek 2017 Quality Assurance Project Plan

*Brown and Caldwell/Pierce County*

**Ed Kolodziej**, Center for Urban Waters

Identification and treatment of toxicants in highway runoff using green stormwater infrastructure and bioassays

*Washington State Department of Transportation*

Water quality characterization for stormwater treatment and ecotoxicology assessment

*Washington State University/Washington State Department of Ecology*

**Danica Miller**, SIAS/Social and Historical Studies

Creating Survivance: Art and indigenous wellness (co-investigator; Lead PI: William Hartmann, UW Bothell)

*UW Simpson Center for the Humanities Large-scale Collaboration Grant*

*Note: This list comprises all new sponsored research awards funded in spring quarter 2018 (Mar 16–June 8, 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!](#)
Announcing the new “UW Tacoma Publicly Engaged Scholarship Internal Pilot Funding” (in partnership with the UW Royalty Research Fund)

We are pleased to announce a new internal funding opportunity open to faculty who submitted unfunded proposals to the UW Royalty Research Fund (RRF) in the September 2017 and/or March 2018 cycles. UW Tacoma will invest $30,000 to provide support for high quality RRF proposals through a competitive review process. For more details, see the full solicitation, here.

Recent events and workshops

The Office of Research facilitated or co-hosted 10 faculty development workshops in spring 2018. Materials from several of these sessions are available on our website, including:

- **Fulbright Information Session** (facilitated by UWT Office of Global Affairs)
- **Writing Center as a Teaching Resource for Faculty** (facilitated by UWT Writing Center)
- **IRB Submissions** (facilitated by UW Human Subjects Division)
- **A Year of Teaching Squares: How Cross-Disciplinary Peer Observations Improve your Teaching** (facilitated by Jutta Heller and Jacob Martens, SIAS)
- **Promoting Resilience/Growth Mindset Best Practices to Support Student Success** (Dr. Cynthia Stanich, facilitated by SIAS)

See our website for materials from other past faculty development workshops.

Videos from our **Spring 2018 Faculty Lighting Talks – Research with Undergraduates** are also available. Check out the excellent talks by faculty mentors and their students here!

Upcoming Office of Research events and workshops

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<td>The Role of Publicly Engaged Scholarship at an Urban-Serving Institution (4-5:30pm)</td>
<td>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.</td>
<td>The Office of Research will be exploring establishing an informal proposal-writing group this summer in order to offer support in writing and accountability for faculty pursuing external funding opportunities.</td>
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<td>Fri. June 29th, TLB 307b</td>
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<td>Email Kara Luckey if you are interested in participating!</td>
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<td>Dr. Tim Eatman, Rutgers University, Newark</td>
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Dr. Eatman is a national leader in the area of community-engaged scholarship and a member of the Carnegie Engagement Classification National Advisory Panel. Please join us to learn from his extensive experience working in the publicly-engaged scholarship space.

Details about summer events and workshops will be announced by email and posted to our website.
New Resources

Grants Resource Center (GRC) Funding Competitiveness Conference recordings
The GRC has made recordings from their February 2018 annual conference, including updates from program officers at NIH, NSF, National Institute of Justice, and Agency for Healthcare Research and Quality, available [here](username: tacoma, password: connection).

National Center for Faculty Development and Diversity (NCFDD) resources

Faculty Success ("Bootcamp") Program: Registration opens June 24 for the NCFDD’s highly regarded Faculty Success Program (FSP), [here](#). This 12-week (Aug-Nov) 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.

Recent 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 UWT faculty:

- 5 secrets to a super-productive semester
- Flow: Finding (and keeping!) joy in academic writing and research
- Academic Life: What’s mindfulness and compassion got to do with it?

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.