

# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Marine and Coastal Sciences</b>				
<i>PI: William Cooper</i>				
5/1/2021	Development of Larval Fishes of the Salish Sea	Murdock Charitable Trust	\$19,000	\$19,000
			<b>Total for PI:</b>	<b>\$19,000</b>
			<b>Total for Marine and Coastal Sciences:</b>	<b>\$19,000</b>
<b>SMATE/OCE</b>				
<i>PI: Daniel Hanley</i>				
9/1/2021	Building educational theory through enacting reforms (BETTER) in STEM	National Science Foundation	\$1,876,022	\$1,876,022
			<b>Total for PI:</b>	<b>\$1,876,022</b>
			<b>Total for SMATE/OCE:</b>	<b>\$1,876,022</b>
<b>Student Success Initiatives</b>				
<i>PI: Michael Sledge</i>				
7/1/2021	SHB1166 Homeless College Students Pilot Program 2021 - 2023 (Year 1)	Washington Student Achievement Council	\$93,000	\$93,000
			<b>Total for PI:</b>	<b>\$93,000</b>
			<b>Total for Student Success Initiatives:</b>	<b>\$93,000</b>
			<b>Total for :</b>	<b>\$1,988,022</b>

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## Active Minds Changing Lives

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Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>College of Business and Economics</b>				
<b>Economics Department</b>				
<b>PI: Reid Dorsey-Palmateer</b>				
<i>Co-PI: Sharon Shewmake</i>				
<i>Co-PI: Philip Thompson</i>				
1/1/2017	The Impact of Energy Efficiency on Housing Prices	Alfred P. Sloan Foundation	\$309,304	\$309,304
<b>Total for PI:</b>			<b>\$309,304</b>	<b>\$309,304</b>
<b>Total for Economics Department:</b>			<b>\$309,304</b>	<b>\$309,304</b>
<b>Total for College of Business and Economics:</b>			<b>\$309,304</b>	<b>\$309,304</b>

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Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>College of Fine and Performing Arts</b>				
<b>Western Gallery</b>				
<b>PI: Hafthor Yngvason</b>				
7/1/2020	To support an exhibition of skyviewing sculptures by Isamu Noguchi (1904-88)	National Endowment For The Arts	\$25,000	\$25,000
Total for PI:			\$25,000	\$25,000
Total for Western Gallery:			<b>\$25,000</b>	<b>\$25,000</b>
Total for College of Fine and Performing Arts:			<b>\$25,000</b>	<b>\$25,000</b>

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### College of Humanities and Social Sciences

#### Anthropology Department

##### PI: Michael Etnier

5/15/2016	Collaborative Research: Archaeological and Paleoenvironmental Perspectives of Climate Change in the Aleutian Islands	National Science Foundation	\$134,311	\$134,311
7/1/2020	Supplement to 51192: Collaborative Research: An examination of human social and cultural adaptation through archaeological and paleoclimate data from the Aleutian Islands	National Science Foundation	\$26,390	\$26,390
<b>Total for PI:</b>			<b>\$160,701</b>	<b>\$160,701</b>

##### PI: Joshua Fisher

6/1/2016	A Political Ecology of Value: A Cohort-Based Ethnography of the Environment Turn in Nicaraguan Urban Social Policy	National Science Foundation	\$226,526	\$226,526
<b>Total for PI:</b>			<b>\$226,526</b>	<b>\$226,526</b>

##### PI: Yeon Jung Yu

10/1/2021	EAGER: Identifying Methodological and Ethical Challenges in Online Research of Hard-to-Reach Populations during the COVID-19 pandemic	National Science Foundation	\$29,858	\$29,858
<b>Total for PI:</b>			<b>\$29,858</b>	<b>\$29,858</b>

**Total for Anthropology Department: \$417,085 \$417,085**

#### Global Humanities & Religions

##### PI: Holly Folk

6/18/2018	Could God Become a Woman? Female Messianism in New Christian Religions	Association for the Sociology of Religion	\$4,000	\$4,000
<b>Total for PI:</b>			<b>\$4,000</b>	<b>\$4,000</b>

**Total for Global Humanities & Religions: \$4,000 \$4,000**

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### College of Humanities and Social Sciences

#### Journalism Department

**PI: Brian Bowe**

*Co-PI: Joseph Gosen*

*Co-PI: Carolyn Nielsen*

9/30/2018	Improving Journalism, Protecting Democracy: Tunisian - American Journalism Workshops	US Department of State	\$100,000	\$100,000
<b>Total for PI:</b>			<b>\$100,000</b>	<b>\$100,000</b>

**PI: Derek Moscato**

7/1/2019	Constructing the Cowboy and Indian Alliance metanarrative: Rhetorical micro-mobilizations in strategic environmental communications	Pennsylvania State University	\$2,500	\$2,500
<b>Total for PI:</b>			<b>\$2,500</b>	<b>\$2,500</b>

**Total for Journalism Department: \$102,500 \$102,500**

#### Philosophy Department

**PI: Daniel Howard-Snyder**

1/1/2022	Course Buyout - The Philosophy, Theology, and Psychology of Christian Trust in God grant (John Templeton Foundation ID#61106)	Boston College	\$14,324	\$14,324
<b>Total for PI:</b>			<b>\$14,324</b>	<b>\$14,324</b>

**Total for Philosophy Department: \$14,324 \$14,324**

#### Political Science Department

**PI: Todd Donovan**

7/1/2021	Research on June 2021 NYC Ranked Choice Voting election	Common Cause Education Fund	\$28,400	\$28,400
<b>Total for PI:</b>			<b>\$28,400</b>	<b>\$28,400</b>

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### College of Humanities and Social Sciences

#### Political Science Department

##### PI: Catherine Wineinger

11/1/2021	Activists in the House: Insights on Legislative Effectiveness from Progressive Women of Color	Center For Effective Lawmaking	\$2,500	\$2,500
<b>Total for PI:</b>			<b>\$2,500</b>	<b>\$2,500</b>

**Total for Political Science Department: \$30,900 \$30,900**

#### Psychology Department

##### PI: Jeffrey Carroll

7/1/2018	Carroll Lab CHDI Foundation Joint Steering Committee	CHDI Foundation, Inc.	\$2,053,661	\$2,053,661
7/1/2018	Carroll Lab CHDI Foundation Joint Steering Committee	CHDI Foundation, Inc.	\$1,548,899	\$1,548,899
1/17/2019	Carroll Lab Allele Specific ASO Collaboration (Amendment 4)	Wave Life Sciences USA, Inc.	\$455,305	\$455,305
1/17/2019	Carroll Lab Allele Specific ASO Collaboration	Wave Life Sciences USA, Inc.	\$66,758	\$66,758
<b>Total for PI:</b>			<b>\$4,124,623</b>	<b>\$4,124,623</b>

##### PI: Jeffrey Grimm

4/1/2019	Sex Differences in Reinforcement: Role of Environmental Enrichment and the Orbitofrontal Cortex	National Institutes Of Health	\$410,150	\$410,150
<b>Total for PI:</b>			<b>\$410,150</b>	<b>\$410,150</b>

##### PI: Jennifer McCabe

8/1/2021	Perinatal Support Pathway of Whatcom County	WA State Department Of Health	\$29,533	\$29,533
<b>Total for PI:</b>			<b>\$29,533</b>	<b>\$29,533</b>

##### PI: Kate McLean

8/1/2015	RUI: Collaborative Research: Narrating Identity Through College - Processes, contexts, and Outcomes	National Science Foundation	\$240,577	\$240,577
<b>Total for PI:</b>			<b>\$240,577</b>	<b>\$240,577</b>

**Total for Psychology Department: \$4,804,883 \$4,804,883**

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<b>College of Humanities and Social Sciences</b>				
<b>Sociology Department</b>				
<b>PI: Seth Feinberg</b>				
<b>Co-PI: Hilary Schwandt</b>				
4/1/2019	REU Site: Multidisciplinary Training in Quantative Methods	National Science Foundation	\$360,677	\$360,677
<b>Co-PI: Hilary Schwandt</b>				
7/1/2021	Supplemental to 51215: REU Site - Multidisciplinary Training in Quantitative Methods	National Science Foundation	\$66,500	\$66,500
<b>Total for PI:</b>			<b>\$427,177</b>	<b>\$427,177</b>
<b>Total for Sociology Department:</b>			<b>\$427,177</b>	<b>\$427,177</b>
<b>Total for College of Humanities and Social Sciences:</b>			<b>\$5,800,869</b>	<b>\$5,800,869</b>

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### College of Science and Engineering

#### Adv Materials Sci & Engineering Ctr

##### PI: Mark Bussell

###### Co-PI: Robert Berger

8/1/2021	RUI:CAS: Metal Phosphides on Nanostructured Indium Oxide – New Photocatalysts for CO2 Hydrogenation	National Science Foundation	\$228,419	\$366,514
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**Total for PI: \$228,419 \$366,514**

##### PI: Timothy Kowalczyk

5/1/2017	RUI: Time-independent excited state methods for computational screening of photoactive materials	National Science Foundation	\$298,328	\$298,328
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7/1/2019	CAREER: Theory-Guided Design of Porous Organic Frameworks for Energy Conversion and Storage	National Science Foundation	\$295,403	\$496,792
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**Total for PI: \$593,731 \$795,120**

##### PI: David Rider

###### Co-PI: John Gilbertson

###### Co-PI: Stephen McDowall

###### Co-PI: David Patrick

6/1/2017	Reduced Light Scattering Losses in Polymer-Semiconductor Nanocrystal Composites via Nanoscale Control of Interparticle Spacing Statistics	National Science Foundation	\$390,000	\$390,000
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**Total for PI: \$390,000 \$390,000**

**Total for Adv Materials Sci & Engineering Ctr: \$1,212,150 \$1,551,634**

#### Biology Department

##### PI: Emily Borda

7/24/2017	Inclusive Excellence Program	Howard Hughes Medical Institute	\$1,020,000	\$1,020,000
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**Total for PI: \$1,020,000 \$1,020,000**



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### College of Science and Engineering

#### Biology Department

##### PI: William Cooper

8/20/2020	Developmental determination of fish jaw protrusion mechanics	National Science Foundation	\$208,520	\$208,520
<b>Total for PI:</b>			<b>\$208,520</b>	<b>\$208,520</b>

##### PI: Eric DeChaine

7/15/2018	North Pacific Stepping Stones: Past, present and future linkages between the Floras or Kamchatka, the Aleutian Islands, and Alaska	National Park Service	\$223,820	\$223,820
<b>Total for PI:</b>			<b>\$223,820</b>	<b>\$223,820</b>

##### PI: Deborah Donovan

7/1/2021	Shewmaker Internship 2021-2022	WA State Department Of Fish & Wildlife	\$7,000	\$7,000
<b>Total for PI:</b>			<b>\$7,000</b>	<b>\$7,000</b>

##### PI: Domenico Galati

8/15/2020	Acquisition of a multi-modal laser scanning confocal microscope to integrate research and teaching across spatial, evolutionary and ecological scales at WWU	National Science Foundation	\$681,290	\$681,290
8/1/2021	4-D molecular tracking using kilohertz framerate multi-modal microscopy	Research Corporation	\$55,000	\$55,000

##### Co-PI: Tilmann Glimm

5/1/2022	CAREER: Organelles orient cilia and first-generation college students for success	National Science Foundation	\$352,237	\$908,007
<b>Total for PI:</b>			<b>\$1,088,527</b>	<b>\$1,644,297</b>

##### PI: David Hooper

7/1/2020	Component 3 Co-lead for International Nitrogen Management System	UK CENTRE FOR ECOLOGY	\$57,000	\$57,000
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### College of Science and Engineering

#### Biology Department

##### PI: David Hooper

9/1/2021	Links between policy and BMP adoption for nutrient reduction in the Nooksack Watershed: riparian restoration as a case study	WA State Water Research Center	\$17,320	\$17,320
<b>Total for PI:</b>			<b>\$74,320</b>	<b>\$74,320</b>

##### PI: Robin Kodner

4/1/2021	REU supplement request for Collaborative Research: EAGER: Developing tools to assess the evolutionary implications of partial clonality in alpine snow algae.	National Science Foundation	\$7,500	\$7,500
4/1/2021	Collaborative Research: EAGER: DEVELOPING TOOLS TO ASSESS THE EVOLUTIONARY IMPLICATIONS OF PARTIAL CLONALITY IN ALPINE SNOW ALGAE	National Science Foundation	\$82,111	\$82,111
4/1/2021	Supplemental: Collaborative Research: EAGER: DEVELOPING TOOLS TO ASSESS THE EVOLUTIONARY IMPLICATIONS OF PARTIAL CLONALITY IN ALPINE SNOW ALGAE	National Science Foundation	\$52,078	\$52,078
<b>Total for PI:</b>			<b>\$141,689</b>	<b>\$141,689</b>

##### PI: Suzanne Lee

3/3/2022	CAREER: Investigating the role of an RNA interference pathway in safeguarding the Tetrahymena thermophila somatic genome	National Science Foundation	\$546,599	\$1,254,671
<b>Total for PI:</b>			<b>\$546,599</b>	<b>\$1,254,671</b>

##### PI: Daniel Pollard

7/15/2015	Supplement to: Collaborative Research: The Causes of Natural Variation in Protein Expression	National Science Foundation	\$46,005	\$46,005
7/1/2021	REPS Supplement to: Collaborative Research: The Causes of Natural Variation in Protein Expression	National Science Foundation	\$49,440	\$49,440
<b>Total for PI:</b>			<b>\$95,445</b>	<b>\$95,445</b>

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### College of Science and Engineering

#### Biology Department

##### PI: Dietmar Schwarz

###### Co-PI: Alejandro Acevedo-Gutierrez

2/1/2020	Using molecular scatology to determine winter and spring pinniped predation on Chinook Salmon in northwest Washington ...	University of Washington	\$95,337	\$95,337
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**Total for PI:** \$95,337 \$95,337

**Total for Biology Department:** \$3,501,257 \$4,765,099

#### Chemistry Department

##### PI: Jeanine Amacher

9/1/2019	The Role of Non-Motif Selectivity Determinants in Peptide-Binding Domain Interactions	National Science Foundation	\$349,908	\$349,908
7/1/2021	Investigating Sortase Enzyme Activity and Specificity Using Natural Sequence Variation and Ancestral Sequence Reconstruction	Research Corporation	\$100,000	\$100,000
9/1/2021	CAREER: The stereochemical basis of target selectivity encoded by specificity-determining loops in peptide-binding domains	National Science Foundation	\$398,000	\$660,000
4/1/2022	Molecular Dynamics of Sortase Enzymes	Research Corporation	\$50,000	\$50,000

**Total for PI:** \$897,908 \$1,159,908

##### PI: John Antos

###### Co-PI: Sergey Smirnov

###### Co-PI: Kathryn Van Alstyne

9/1/2019	MRI: Acquisition of a Liquid Chromatography-Mass Spectrometry (LC-MS) System to Enable Research and Enhance Undergraduate Education at Western Washington University	National Science Foundation	\$499,946	\$499,946
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### College of Science and Engineering

#### Chemistry Department

##### PI: John Antos

###### Co-PI: Sergey Smirnov

7/1/2020	RUI: Sortase-Mediated Ligations for Probing Binding Modes of Large Disordered Polypeptides	National Science Foundation	\$344,000	\$344,000
<b>Total for PI:</b>			<b>\$843,946</b>	<b>\$843,946</b>

##### PI: Ying Bao

6/15/2021	Development of Novel Plasmonic Nanotransducer for Solution-based Molecular Imprinted Sensing	National Science Foundation	\$366,533	\$366,533
<b>Total for PI:</b>			<b>\$366,533</b>	<b>\$366,533</b>

##### PI: Robert Berger

1/1/2021	RUI: Confronting structural complexity in the computational design of perovskite materials for solar energy	National Science Foundation	\$268,067	\$268,067
<b>Total for PI:</b>			<b>\$268,067</b>	<b>\$268,067</b>

##### PI: Mark Bussell

7/1/2019	Nickel-Palladium Phosphide Catalysts for the Selective Hydrogenation of Acetylene	American Chemical Society	\$70,000	\$70,000
9/1/2020	Instrumentation for Raman Thermometry – Probing Photocatalysis at the Nanoscale	Research Corporation	\$20,000	\$20,000
10/1/2020	Metal Phosphate-Oxide Hybrid Catalysts for Solar Fuels Production	Research Corporation	\$50,000	\$50,000
<b>Total for PI:</b>			<b>\$140,000</b>	<b>\$140,000</b>

##### PI: Catherine Clark

9/1/2020	Cycling of ethanol and acetaldehyde in seawater	National Science Foundation	\$139,339	\$139,339
10/1/2021	Vault-Based academic leadership trajectories for women in STEM (VAuLTS)	WA State University	\$45,301	\$45,301
<b>Total for PI:</b>			<b>\$184,640</b>	<b>\$184,640</b>

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### College of Science and Engineering

#### Chemistry Department

##### PI: Steven Emory

8/1/2020	Acquisition of Raman Imaging Microscope at Western Washington University	National Science Foundation	\$295,160	\$295,160
<b>Total for PI:</b>			<b>\$295,160</b>	<b>\$295,160</b>

##### PI: John Gilbertson

10/1/2017	Bioinspired Movement of Protons and Electrons for Small Molecule Activation	Camille and Henry Dreyfus Foundation Inc	\$60,000	\$60,000
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##### Co-PI: Timothy Kowalczyk

8/1/2020	RUI: Nitrate/Nitrite Reduction Utilization Hemiability and Redox-Activity	National Science Foundation	\$261,000	\$261,000
6/1/2022	Reduction of the Pervasive Environmental Pollutants Nitrate/Nitrite via Redox-Active Complexes.	Research Corporation	\$50,000	\$50,000
<b>Total for PI:</b>			<b>\$371,000</b>	<b>\$371,000</b>

##### PI: Timothy Kowalczyk

6/15/2018	Mechanism and computational design of energy storage and release in molecular photoswitches	Research Corporation	\$100,000	\$100,000
<b>Total for PI:</b>			<b>\$100,000</b>	<b>\$100,000</b>

##### PI: Michael Larsen

7/1/2020	Development of the Guanidine Exchange Reaction for a New Class of Covalent Adaptable Networks	American Chemical Society	\$55,000	\$55,000
6/15/2021	RUI: Dynamic Guanidine-based Polymer Networks	National Science Foundation	\$69,662	\$330,000
7/1/2022	N-Functionalized Polyureas by Ring-Opening Polymerization of Iminooxazolidines	Research Corporation	\$100,000	\$100,000
<b>Total for PI:</b>			<b>\$224,662</b>	<b>\$485,000</b>

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### College of Science and Engineering

#### Chemistry Department

##### PI: James McCarty

6/1/2021	RUI: A variational enhanced sampling approach to enzyme kinetics and protein dynamics in condensed phases	National Science Foundation	\$342,131	\$342,131
<b>Total for PI:</b>			<b>\$342,131</b>	<b>\$342,131</b>

##### PI: Amanda Murphy

###### Co-PI: Paul Spiegel

4/1/2018	REU Site: Undergraduate Research in Chemistry at Western Washington University	National Science Foundation	\$289,033	\$289,033
8/1/2018	RUI: Protein Bioconjugation Strategies for Next Generation Silk Biomaterials	National Science Foundation	\$388,946	\$388,946
1/1/2022	Chemical Strategies to Customize Protein and Polymer-based Biomaterials	Camille and Henry Dreyfus Foundation Inc	\$75,000	\$75,000
<b>Total for PI:</b>			<b>\$752,979</b>	<b>\$752,979</b>

##### PI: Gregory O'Neil

6/25/2018	RUI: Accessing Asymmetric Carbon Atoms by Samarium(II)-Water Allylic Benzoate Reductions	National Science Foundation	\$256,500	\$256,500
3/15/2020	Commercial applications for the unique algal lipids - Phase II: Whole Extract Formulations and Novel Resources	Washington Research Foundation	\$100,000	\$100,000
3/1/2021	Beyond Polypropylene: Advancing Propylene-Based Fine Chemical Synthesis Through Diallylsilane Rearrangements	American Chemical Society	\$70,000	\$70,000
11/15/2021	Alkenone Production for Chanel PB	Chanel Parfums Beaute	\$9,000	\$9,000
<b>Total for PI:</b>			<b>\$435,500</b>	<b>\$435,500</b>

##### PI: David Rider

10/27/2020	Dreyfus Teacher-Scholar Awards Program - Rider	Camille and Henry Dreyfus Foundation Inc	\$75,000	\$75,000
9/1/2021	Hybrid benzoxazine polymers and composites from a grafting thermal ring-opening polymerization reaction	ACS Petroleum Research Fund	\$70,000	\$70,000

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## College of Science and Engineering

### Chemistry Department

**PI: David Rider**

**Total for PI: \$145,000 \$145,000**

**PI: Margaret Scheuermann**

5/1/2020	RUI: The Role of Engineered Ligands in Putative Homogeneous Catalysis: Supporting a homogeneous catalyst or modulating nanoparticle formation	National Science Foundation	\$230,000	\$230,000
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**Total for PI: \$230,000 \$230,000**

**PI: Paul Spiegel**

2/5/2021	Structural and Biochemical Studies of Blood Coagulation Factor VIII to Overcome the Immune Response	National Institutes Of Health	\$389,770	\$389,770
5/1/2021	Yr 4 - U54 Sub-contract: Unraveling the immune response to factor VIII	Emory University	\$144,135	\$144,135

**Total for PI: \$533,905 \$533,905**

**Total for Chemistry Department: \$6,131,431 \$6,653,769**

### Computer Science Department

**PI: Yasmine Elglaly**

9/1/2021	Collaborative Research: Accessibility as a Foundational Computing Concept and Skill	National Science Foundation	\$75,648	\$75,648
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**Co-PI: Yudong Liu**

1/4/2022	Teaching Accessibility for Fairness in AI Courses	ACM-Association for Computing Machinery	\$4,740	\$4,740
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**Total for PI: \$80,388 \$80,388**

**PI: Caroline Hardin**

11/8/2021	Creating community around CS PD	Professional Educator Standards Board	\$24,997	\$24,997
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**Total for PI: \$24,997 \$24,997**

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### College of Science and Engineering

#### Computer Science Department

##### PI: Brian Hutchinson

3/1/2017	PNNL Joint Appointment 2017 - 2022	Battelle Pacific NW Natl Lab	\$412,827	\$412,827
10/6/2020	Generative Machine Learning Approaches to ESM Emulation	Pacific Northwest National Laboratory	\$93,970	\$93,970
2/23/2022	Development and Testing of Control Algorithms to Improve Building Operations	Battelle Pacific NW Natl Lab	\$23,314	\$23,314
3/16/2022	PNNL Joint Appointment 3-16-2022 and beyond	Battelle Pacific NW Natl Lab	\$105,831	\$105,831
<b>Total for PI:</b>			<b>\$635,942</b>	<b>\$635,942</b>

##### PI: Filip Jagodzinski

7/1/2020	EAGER: III: Collaborative: RUI: In silico Algorithm for Assessing the Effects of Amino Acid Insertion and Deletion Mutations	National Science Foundation	\$77,464	\$77,464
<b>Total for PI:</b>			<b>\$77,464</b>	<b>\$77,464</b>

##### PI: Scott Wehrwein

1/1/2021	States and Security: Border Orientation in the Modern World (REU Supplement)	Pennsylvania State University	\$16,215	\$16,215
6/1/2021	CRII: RI: RUI: Representations for multi-timescale scene dynamics in webcam video streams	National Science Foundation	\$174,732	\$174,732
<b>Total for PI:</b>			<b>\$190,947</b>	<b>\$190,947</b>

**Total for Computer Science Department: \$1,009,738 \$1,009,738**

#### Engineering and Design Department

##### PI: Tarek Al Geddawy

7/1/2021	Automating the Preparation and Maintenance of Layup Tooling for Composite Aerostructures and Parts	Joint Center for Aerospace Technology Education	\$59,711	\$59,711
<b>Total for PI:</b>			<b>\$59,711</b>	<b>\$59,711</b>



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### College of Science and Engineering

#### Engineering and Design Department

##### PI: Jill Davishahl

12/1/2018	Becoming Engaged Engineering Scholars: Success Programs for Recruitment and Retention in Engineering	National Science Foundation	\$957,532	\$957,532
6/15/2021	Social Engagement & Belonging in Academic Makerspaces	National Science Foundation	\$138,528	\$138,528
<b>Total for PI:</b>			<b>\$1,096,060</b>	<b>\$1,096,060</b>

##### PI: David Gill

7/1/2021	Rapid Heating of Compression Mold Tooling	Joint Center for Aerospace Technology Education	\$55,995	\$55,995
<b>Total for PI:</b>			<b>\$55,995</b>	<b>\$55,995</b>

##### PI: Junaid Khan

6/16/2021	PACCAR Summer position	PACCAR Technical Center	\$43,400	\$43,400
<b>Total for PI:</b>			<b>\$43,400</b>	<b>\$43,400</b>

##### PI: John Misasi

Co-PI: Nicole McDevitt Larson

Co-PI: Nicole Hoekstra

7/1/2021	Chemical Recycling of Carbon Fiber-Epoxy Composites	Joint Center for Aerospace Technology Education	\$104,024	\$104,024
<b>Total for PI:</b>			<b>\$104,024</b>	<b>\$104,024</b>

##### PI: Bhaskar Ramasubramanian

2/15/2022	CRII: CPS: RUI: Cognizant Learning for Autonomous Cyber-Physical Systems	National Science Foundation	\$174,921	\$174,921
<b>Total for PI:</b>			<b>\$174,921</b>	<b>\$174,921</b>

**Total for Engineering and Design Department: \$1,534,111 \$1,534,111**

# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
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### College of Science and Engineering

#### Geology Department

##### PI: Douglas Clark

6/1/2020	Testing Lake-Pleistocene and Holocene Climate Change in Southeastern Australia with Multi-proxy analyses of alpine lake sediments, Kosciuszko National Park, Australia	National Science Foundation	\$134,104	\$134,104
<b>Total for PI:</b>			<b>\$134,104</b>	<b>\$134,104</b>

##### PI: Robyn Dahl

Co-PI: Sean Mulcahy

Co-PI: Melissa Rice

Co-PI: Pete Stelling

Co-PI: Douglas Clark

9/1/2019	GP-EXTRA: Lab Camp: An inclusive, accessible alternative to field-based geoscience capstone courses.	National Science Foundation	\$300,506	\$300,506
<b>Total for PI:</b>			<b>\$300,506</b>	<b>\$300,506</b>

##### PI: Susan DeBari

Co-PI: Kristina Walowski

Co-PI: Manuel Montano

Co-PI: Sean Mulcahy

Co-PI: May Sas

2/1/2022	Upgrade of LA-ICP-MS for research and education at Western Washington University	National Science Foundation	\$468,550	\$468,550
3/1/2022	Phenocryst or Not? Using a Stratovolcano's Crystal Cargo to Explore Crustal-scale Magmatic Systems, Koma Kulshan (Mt. Baker), Northern Cascade Arc	National Science Foundation	\$333,546	\$333,546
<b>Total for PI:</b>			<b>\$802,096</b>	<b>\$802,096</b>

# Current Grants at Western Washington University

Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
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## College of Science and Engineering

### Geology Department

#### PI: Eric Grossman

8/15/2017	Coastal Flood Modeling, Hazards, Risk and impact Assessment Across the Pacific Northwest US Coast: Five-Year Cooperative Agreement between the US Geological Survey and Western Washington University	US Geological Survey	\$102,960	\$102,960
8/15/2017	Coastal Flood Modeling, Hazards, Risk and impact Assessment Across the Pacific Northwest US Coast: Five-Year Cooperative Agreement between the US Geological Survey and Western Washington University	US Geological Survey	\$128,000	\$128,000
<b>Total for PI:</b>			<b>\$230,960</b>	<b>\$230,960</b>

#### PI: Robert Mitchell

8/24/2016	Modeling the effect of climate change on hydrology and stream temperature in the North Fork of the Stillaguamish River	Stillaguamish Tribe of Indians	\$205,479	\$205,479
3/5/2021	Modeling peak flow projections in the Nooksack River	Nooksack Indian Tribe	\$112,057	\$112,057
<b>Total for PI:</b>			<b>\$317,536</b>	<b>\$317,536</b>

#### PI: Sean Mulcahy

##### Co-PI: Elizabeth Schermer

6/1/2020	Testing models of metamorphic sole formation and early subduction evolution in the Easton Metamorphic Suite, Northwest Cascades	National Science Foundation	\$185,140	\$185,140
<b>Total for PI:</b>			<b>\$185,140</b>	<b>\$185,140</b>

#### PI: Allison Pfeiffer

7/1/2020	Does river channel sediment supply control temporal variations in the threshold for sediment motion?	American Chemical Society	\$55,000	\$55,000
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# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
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### College of Science and Engineering

#### Geology Department

##### PI: Allison Pfeiffer

10/1/2021	Collaborative Research: Frameworks: OpenEarthscape - Transformative Cyberinfrastructure for Modeling and Simulation in the Earth-Surface Science Communities	National Science Foundation	\$71,937	\$71,937
8/1/2022	Collaborative Research: Role of lithologic variability in controlling downstream channel response to sediment pulses	National Science Foundation	\$104,706	\$290,139
<b>Total for PI:</b>			<b>\$231,643</b>	<b>\$417,076</b>

##### PI: Melissa Rice

4/1/2015	Mastcam-Z: A Geologic, Stereoscopic, and Multispectral Investigation for the NASA Mars 2020 Rover Mission	Arizona State University	\$513,549	\$852,506
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##### Co-PI: Sean Mulcahy

##### Co-PI: Michael Kraft

3/4/2020	Interpreting Rock Weatherin on Mars Using Spectrogoniometry of Natural Rinds and Coatings	National Aeronautics&Space Administration	\$204,193	\$302,510
4/1/2020	Integrating Color, Composition and Stratigraphy to Characterize Paleonvironments at Mount Sharp and Identify Science Targets Along Curiosity's Traverse	Jet Propulsion Laboratory	\$196,274	\$254,835
7/1/2020	Mars-2020 Mission Long-Term Planner Phase D/E	Jet Propulsion Laboratory	\$99,958	\$144,982
<b>Total for PI:</b>			<b>\$1,013,974</b>	<b>\$1,554,833</b>

##### PI: Emily Roland

3/1/2021	Collaborative Research: Behavior and structure on and around the megathrust revealed by the Alaska Amphibious Seismic Community Experiment	National Science Foundation	\$208,580	\$208,580
3/1/2021	Collaborative Research: Relationship between plate boundary obliquity, strain accommodation, and fault zone geometry at oceanic-continental transforms: The Queen	National Science Foundation	\$386,247	\$386,247

# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

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### College of Science and Engineering

#### Geology Department

##### PI: Emily Roland

3/1/2021	Collaborative Research: Capturing 4D Variations in Stress, Slip, and Fault-Zone Material Properties: The 2019-2021 Gofar Transform Fault Earthquake Prediction Experiment	National Science Foundation	\$214,480	\$214,480
<b>Total for PI:</b>			<b>\$809,307</b>	<b>\$809,307</b>

##### PI: Kristina Walowski

4/1/2021	Collaborative Research: How variable is magma decompression rate during a single eruption?	National Science Foundation	\$58,190	\$58,190
5/1/2021	RUI: Collaborative Research: Testing the controls on eruption size and style at intermediate arc volcanoes: Evidence from the Holocene record at Augustine Volcano, USA	National Science Foundation	\$164,497	\$164,497
<b>Total for PI:</b>			<b>\$222,687</b>	<b>\$222,687</b>

**Total for Geology Department: \$4,247,953 \$4,974,245**

#### Mathematics Department

##### PI: Tilmann Glimm

11/1/2021	Cellular Agency: Recruitment, Integration, and Reemergence in Multicellular Development and Cancer	New York Medical College	\$182,113	\$182,113
<b>Total for PI:</b>			<b>\$182,113</b>	<b>\$182,113</b>

##### PI: David Hartenstine

**Co-PI: Joseph Brobst**

**Co-PI: Perry Fizzano**

**Co-PI: Regina Barber DeGraaff**

12/1/2017	Career Preparation for Computer Science and Math Students	National Science Foundation	\$999,898	\$999,898
<b>Total for PI:</b>			<b>\$999,898</b>	<b>\$999,898</b>

# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>College of Science and Engineering</b>				
<b>Mathematics Department</b>				
<b>PI: Jeffrey Meier</b>				
5/13/2019	FRG: Collaborative Research: Trisections -- New Directions in Low-Dimensional Topology	National Science Foundation	\$83,109	\$83,109
9/1/2020	New Approaches to Understanding the Four-Sphere	National Science Foundation	\$148,699	\$148,699
<b>Total for PI:</b>			<b>\$231,808</b>	<b>\$231,808</b>
<b>PI: Kathryn Rupe</b>				
<b>Co-PI: Cristina Mozsgai</b>				
10/1/2018	Collaborative Research: Improving Representational Competence by Engaging with Physical Modeling in Foundational STEM Courses	National Science Foundation	\$68,049	\$68,049
<b>Total for PI:</b>			<b>\$68,049</b>	<b>\$68,049</b>
<b>PI: Mariana Smit Vega Garcia</b>				
8/15/2021	Analysis and Geometry of Free Boundaries	National Science Foundation	\$190,337	\$190,337
<b>Total for PI:</b>			<b>\$190,337</b>	<b>\$190,337</b>
<b>Total for Mathematics Department:</b>			<b>\$1,672,205</b>	<b>\$1,672,205</b>

## Physics - Astronomy Department

### PI: Andrew Boudreaux

10/1/2018	Improving Undergraduate STEM Education	National Science Foundation	\$32,853	\$32,853
10/1/2018	Collaborative Research: Establishing a new model for research-based curriculum development in physics aligned with dual-process theories of reasoning	National Science Foundation	\$139,706	\$139,706
<b>Total for PI:</b>			<b>\$172,559</b>	<b>\$172,559</b>

### PI: Kevin Covey

1/1/2020	Survey Coordination for the fifth Sloan Digital Sky Survey (SDSS-V)	University of Washington	\$43,674	\$43,674
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# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
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### College of Science and Engineering

#### Physics - Astronomy Department

##### PI: Kevin Covey

9/15/2021	Translating a TESS-tested Eclipsing Binary Preclassifier to LSST: Testing detection efficiencies with the PLAsTiCC dataset	LSST Corporation	\$5,000	\$5,000
<b>Total for PI:</b>			<b>\$48,674</b>	<b>\$48,674</b>

##### PI: Thanh Le

10/1/2020	The social negotiation of confusion for physics learning	National Science Foundation	\$94,708	\$94,708
<b>Total for PI:</b>			<b>\$94,708</b>	<b>\$94,708</b>

##### PI: Armin Rahmanson

6/15/2020	Controlled nonequilibrium dynamics of quantum matter and machines	National Science Foundation	\$210,000	\$505,000
8/15/2020	EAGER-QAC-QSA:COLLABORATIVE RESEARCH: QUANTUM SIMULATION OF EXCITATIONS, BRAIDING, AND THE NONEQUILIBRIUM DYNAMICS OF FRACTIONAL QUANTUM HALL STATES	National Science Foundation	\$123,686	\$123,686
<b>Total for PI:</b>			<b>\$333,686</b>	<b>\$628,686</b>

##### PI: Andreas Riemann

5/1/2018	RUI: Photoisomerization Potential of Molecular Switches on Surfaces	National Science Foundation	\$233,100	\$233,100
<b>Total for PI:</b>			<b>\$233,100</b>	<b>\$233,100</b>

<b>Total for Physics - Astronomy Department:</b>			<b>\$882,727</b>	<b>\$1,177,727</b>
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#### Science Math and Technology Ed

##### PI: Emily Borda

##### Co-PI: Deborah Hanuscin

2/15/2021	Science Education for Equity in K-6 (SEEK)	National Science Foundation	\$74,966	\$74,966
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# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

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### College of Science and Engineering

#### Science Math and Technology Ed

##### PI: Emily Borda

6/1/2021	YR 2 Research Experience for Future Science Teachers and Aerospace Professionals	University of Washington	\$77,640	\$155,280
<b>Total for PI:</b>			<b>\$152,606</b>	<b>\$230,246</b>

##### PI: Erin Duffy

Co-PI: Norda Stephenson

Co-PI: Dimitri Dounas-Frazer

Co-PI: Caroline Dahlberg

Co-PI: Daniel Hanley

3/1/2021	An Interdisciplinary Exploration of Student Engagement in Scientific Practices in Undergraduate Biology, Chemistry, and Physics Laboratory Courses	National Science Foundation	\$299,428	\$299,428
<b>Total for PI:</b>			<b>\$299,428</b>	<b>\$299,428</b>

##### PI: Edward Geary

Co-PI: Francisco Rios

Co-PI: Kimberly Markworth

Co-PI: Susan DeBari

Co-PI: Bruce Larson

9/15/2016	Collaborative Research: The Next Generation of STEM Teacher Preparation in Washington State	National Science Foundation	\$1,795,818	\$1,795,818
<b>Total for PI:</b>			<b>\$1,795,818</b>	<b>\$1,795,818</b>



# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>College of Science and Engineering</b>				
<b>Science Math and Technology Ed</b>				
<b>PI: Deborah Hanuscin</b>				
<i>Co-PI: Daniel Hanley</i>				
<i>Co-PI: Emily Borda</i>				
7/1/2018	Collaborative Research: Project to Assess Content Knowledge for Elementary Teaching of Science (Packets)	National Science Foundation	\$1,124,135	\$1,124,135
<b>Total for PI:</b>			<b>\$1,124,135</b>	<b>\$1,124,135</b>
<b>Total for Science Math and Technology Ed:</b>			<b>\$3,371,987</b>	<b>\$3,449,627</b>
<b>Total for College of Science and Engineering:</b>			<b>\$23,563,559</b>	<b>\$26,788,155</b>

# Current Grants at Western Washington University

## Active Minds Changing Lives

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Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Extended Education and Summer Programs</b>				
<b>Institutes and Conferences</b>				
<i>PI: Gregory O'Neil</i>				
4/1/2022	Regio, Stereo-, and Chemoselective Cooperative-Based Mediated Hydrosilylations	National Institutes Of Health	\$375,988	\$375,988
Total for PI:			\$375,988	\$375,988
<b>Total for Institutes and Conferences:</b>			<b>\$375,988</b>	<b>\$375,988</b>
<b>Total for Extended Education and Summer Programs:</b>			<b>\$375,988</b>	<b>\$375,988</b>

# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Huxley College</b>				
<b>Department of Environmental Studies</b>				
<b>PI: Troy Abel</b>				
8/1/2020	Youth learning, leadership and stewardship for environmental justice: Community-engaged air quality biomonitoring using moss in South Seattle project	US Environmental Protection Agency	\$97,648	\$97,648
1/1/2021	Puget Sound Natural Resources Governance Assessment	Kitsap County	\$130,000	\$130,000
<b>Total for PI:</b>			<b>\$227,648</b>	<b>\$227,648</b>
<b>PI: Rebekah Paci-Green</b>				
8/18/2021	Summer 2021 Risk RED Projects: Fiji Phase 3	RiskRED	\$5,043	\$5,043
<b>Total for PI:</b>			<b>\$5,043</b>	<b>\$5,043</b>
<b>PI: Joshua Porter</b>				
<b>Co-PI: Steven Hollenhorst</b>				
2/17/2021	Career Connect Washington Intermediary Funding Round 5 - WWU	WA State Employment Security Dept	\$137,860	\$137,860
<b>Total for PI:</b>			<b>\$137,860</b>	<b>\$137,860</b>
<b>Total for Department of Environmental Studies:</b>			<b>\$370,551</b>	<b>\$370,551</b>

## Dept of Environmental Sciences

### PI: Jenise Bauman

7/1/2021	Ecological Restoration Certificate Program	San Juan Islands Conservation District	\$26,120	\$26,120
<b>Total for PI:</b>			<b>\$26,120</b>	<b>\$26,120</b>

### PI: Andrew Bunn

9/1/2019	Collaborative Resesarch: Past precipitation, temperature, and volcanism: multi-millennial records from three co-located bristlecone pine proxies	National Science Foundation	\$75,085	\$75,085
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# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
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### Huxley College

#### Dept of Environmental Sciences

##### PI: Andrew Bunn

###### Co-PI: Andrew Weitz

1/1/2021	Washington Research Foundation Postdoctoral Fellowship (Weitz)	Washington Research Foundation	\$277,500	\$277,500
6/1/2021	Collaborative Research: OpenDendro - Advanced Open-source Tools for Paleoenvironmental Reconstruction	National Science Foundation	\$121,944	\$121,944
<b>Total for PI:</b>			<b>\$474,529</b>	<b>\$474,529</b>

##### PI: Marco Hatch

8/1/2021	NSF INCLUDES Alliance: Broadening Career Pathways in Food, Energy, and Water Systems with and within Native American Communities (Native FEWS Alliance)	UC Berkeley	\$27,400	\$291,214
9/1/2021	Northwest Climate Resilience Collaborative Project	University of Washington	\$10,091	\$51,037
<b>Total for PI:</b>			<b>\$37,491</b>	<b>\$342,251</b>

##### PI: Alia Khan

6/30/2020	Quantifying the Impact of Light Absorbing Aerosols upon Sea Ice in the Changing Arctic Climate	National Aeronautics&Space Administration	\$190,375	\$312,244
8/1/2020	EHR-Polar DCL: Collaborative Research: Polar Space and Place: Using GIS and interactive environments to bring Polar science to the classroom	National Science Foundation	\$75,735	\$75,735
5/28/2021	Commercial Sensor Evaluation for Detection and Mapping of Coastal Antarctic Snow Algae	National Aeronautics&Space Administration	\$149,509	\$149,509
1/1/2022	CAREER: Coastal Antarctic Snow Algae and Light Absorbing Particles: Snowmelt, Climate and Ecosystem Impacts	National Science Foundation	\$821,835	\$1,228,430
<b>Total for PI:</b>			<b>\$1,237,454</b>	<b>\$1,765,918</b>

##### PI: Manuel Montano

2/15/2021	Evaluation of Nanopesticide Fate and Transport and Biogeochemical Implications in Agroecosystems	University of Kentucky	\$202,835	\$202,835
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# Current Grants at Western Washington University

## Active Minds Changing Lives

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Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Huxley College</b>				
<b>Dept of Environmental Sciences</b>				
<b>PI: Manuel Montano</b>				
			<b>Total for PI:</b>	<b>\$202,835</b>
			<b>\$202,835</b>	<b>\$202,835</b>
<b>PI: John Rybczyk</b>				
<b>Co-PI: Katrina Poppe</b>				
10/1/2020	Pacific Northwest Blue Carbon Working Group Phase 2: Land use and environmental effects on greenhouse gas emissions and carbon sequestration, informing blue carbon project feasibility assessments for tidal wetland management	Institute for Applied Ecology	\$79,039	\$116,872
<b>Co-PI: James Helfield</b>				
8/1/2021	Northwest Climate Adaptation Science Center Research Fellowship Program - Sydney Jantsch	NW Climate Science Center	\$22,625	\$22,625
<b>Co-PI: Katrina Poppe</b>				
<b>Co-PI: David Shull</b>				
9/1/2021	MRI: Acquisition of a Broad-Energy Germanium Detector BE3825	National Science Foundation	\$124,892	\$124,892
			<b>Total for PI:</b>	<b>\$226,556</b>
			<b>\$226,556</b>	<b>\$264,389</b>
<b>PI: Erika Shaw</b>				
4/1/2020	Collaborative Research: Internal Swash Zones and Boundary-Interior Exchange: High Accuracy Modeling and Field Observations	National Science Foundation	\$396,747	\$396,747
			<b>Total for PI:</b>	<b>\$396,747</b>
			<b>\$396,747</b>	<b>\$396,747</b>
<b>PI: Kathryn Sobocinski</b>				
2/1/2020	Ecosystem impacts of the jellyfish Aurelia labiata in Puget Sound: insights from mesocosms, monitoring, and ecosystem modeling	University of Washington	\$89,276	\$89,276
7/1/2021	Herring and Scoter Research at Cherry Point (Year 2)	Puget Sound Partnership	\$53,974	\$53,974

# Current Grants at Western Washington University

## Active Minds Changing Lives

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Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Huxley College</b>				
<b>Dept of Environmental Sciences</b>				
<b>PI: Kathryn Sobocinski</b>				
2/28/2022	Cumulative effects evaluation: Phase 1 Implementation	Puget Sound Partnership	\$23,888	\$23,888
<b>Total for PI:</b>			<b>\$167,138</b>	<b>\$167,138</b>
<b>PI: Ruth Sofield</b>				
6/15/2021	Microplastics deposition in alpine environments of Washington's National Parks	National Park Service	\$13,427	\$13,427
7/1/2021	Science and Management of Contaminated Sites (SMoCS) program curriculum at Huxley College FY2022 and FY2023	WA State Department Of Ecology	\$103,284	\$103,284
11/18/2021	Prioritization of Contaminants of Emerging Concern in Puget Sound Based on Environmental Occurrence and High Throughput Toxicity Testing.	Puget Sound Partnership	\$115,118	\$115,118
<b>Total for PI:</b>			<b>\$231,829</b>	<b>\$231,829</b>
<b>PI: David Wallin</b>				
4/30/2019	Mountain Goat Population Restoration In the Washington Cascades: Reproduction and Juvenile Survival	Seattle City Light	\$28,370	\$28,370
<b>Total for PI:</b>			<b>\$28,370</b>	<b>\$28,370</b>
<b>Total for Dept of Environmental Sciences:</b>			<b>\$3,029,069</b>	<b>\$3,900,126</b>

## Institute of Env Toxicology & Chemi

### PI: Wayne Landis

10/1/2019	GCR: Collaborative Research: Convergence on Micro- and Nanoplastics in Aquatic Environments	National Science Foundation	\$322,927	\$322,927
1/30/2020	Assess the Upper San Francisco Estuary (USFE)	California Department of Pesticide Registration	\$60,000	\$60,000

# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Huxley College</b>				
<b>Institute of Env Toxicology &amp; Chemi</b>				
<b>PI: Wayne Landis</b>				
7/1/2020	Quantifying the relative contributions of groups of contaminants to environmental risk in the Upper San Francisco Estuary in conjunction with an adaptive management framework (year 2)	State Water Contractors	\$198,000	\$198,000
12/31/2021	Quantifying the relative contributions of groups of contaminants to environmental risk in the Upper San Francisco Estuary in conjunction with an adaptive management framework-Year 3.	Delta Stewardship Council	\$170,098	\$170,098
<b>Total for PI:</b>			<b>\$751,025</b>	<b>\$751,025</b>
<b>Total for Institute of Env Toxicology &amp; Chemi:</b>			<b>\$751,025</b>	<b>\$751,025</b>
<b>Institute of Watershed Studies</b>				
<b>PI: Angela Strecker</b>				
10/1/2019	Collaborative Proposal: MRA: Local- to continental-scale drivers of biodiversity across the National Ecological Observatory Network (NEON)	National Science Foundation	\$335,665	\$335,665
6/1/2021	Supplement to 51221 (NSF 21-013) Collaborative Proposal: MRA: Local- to continental-scale drivers of biodiversity across the National Ecological Observatory Network (NEON)	National Science Foundation	\$47,689	\$47,689
<b>Co-PI: Robert Mitchell</b>				
1/1/2022	Lake Whatcom Monitoring Project 2022-2024 (Year 1)	City Of Bellingham	\$314,941	\$314,941
2/1/2022	REU Supplement to 51221 - Collaborative Proposal: MRA: Local- to continental-scale drivers of biodiversity across the National Ecological Observatory Network (NEON)	National Science Foundation	\$8,850	\$8,850
<b>Total for PI:</b>			<b>\$707,145</b>	<b>\$707,145</b>
<b>Total for Institute of Watershed Studies:</b>			<b>\$707,145</b>	<b>\$707,145</b>

# *Current Grants at Western Washington University*

## *Active Minds Changing Lives*

*March 29, 2022*

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Huxley College</b>				
<b>Total for Huxley College:</b>			<b>\$4,857,790</b>	<b>\$5,728,847</b>



# Current Grants at Western Washington University

## Active Minds Changing Lives

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Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Provost/Other Programs</b>				
<b>Campus Compact</b>				
<b>PI: Jennifer Hine</b>				
<b>Co-PI: Jennifer Spurgin</b>				
8/1/2021	AmeriCorps Fixed Amount Grant 2021 - 2024	Corporation For National&Community Service	\$1,575,395	\$1,575,395
<b>Total for PI:</b>			<b>\$1,575,395</b>	<b>\$1,575,395</b>
<b>Total for Campus Compact:</b>			<b>\$1,575,395</b>	<b>\$1,575,395</b>
<b>Canadian American Studies</b>				
<b>PI: Christina Keppie</b>				
8/15/2018	Pacific Northwest National Resource Center on Canada 2018 - 2022	University of Washington	\$455,155	\$455,155
<b>Total for PI:</b>			<b>\$455,155</b>	<b>\$455,155</b>
<b>Total for Canadian American Studies:</b>			<b>\$455,155</b>	<b>\$455,155</b>
<b>Shannon Point Marine Center</b>				
<b>PI: Shawn Arellano</b>				
9/1/2018	RUI: Collaborative research: The impact of symbiont-larval interactions on species distributions across southwestern Pacific hydrothermal vents	National Science Foundation	\$631,507	\$631,507
8/1/2019	RUI:Collaborative: Dispersal depth and the transport of deep-sea methane-seep larvae around a biogeographic barrier	National Science Foundation	\$437,398	\$437,398
5/1/2020	RUI: Collaborative: The Predictive Nature of Microbial Biofilms for Cuing Larval Settlement at Deep-Sea Hydrothermal Vents	National Science Foundation	\$394,234	\$394,234
<b>Total for PI:</b>			<b>\$1,463,139</b>	<b>\$1,463,139</b>

# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Provost/Other Programs</b>				
<b>Shannon Point Marine Center</b>				
<b>PI: Brian Bingham</b>				
2/15/2020	REU Site: Field and Laboratory studies of coastal marine processes at the Shannon Point Marine Center (2020 - 2023)	National Science Foundation	\$291,600	\$291,600
<b>Total for PI:</b>			<b>\$291,600</b>	<b>\$291,600</b>
<b>PI: James Dimond</b>				
6/15/2020	Detecting and monitoring Washington's endangered pinto abalone using environmental DNA	University of California, Davis	\$48,981	\$48,981
7/1/2021	Range-wide pinto abalone population genomics to support restoration in Washington state	Revive & Restore	\$59,880	\$59,880
<b>Total for PI:</b>			<b>\$108,861</b>	<b>\$108,861</b>
<b>PI: Robin Kodner</b>				
<b>Co-PI: Brian Bingham</b>				
10/1/2021	LEAPS: A Diversity, Equity, and Inclusion Workshop at the Joint Aquatic Sciences Meeting	National Science Foundation	\$70,532	\$70,532
<b>Total for PI:</b>			<b>\$70,532</b>	<b>\$70,532</b>
<b>PI: Suzanne Strom</b>				
10/1/2017	LTER: Resilience in the Environmental Mosaic of the Northern Gulf of Alaska (NGA) Shelf Ecosystem	University Of Alaska	\$910,930	\$910,930
7/1/2021	Measuring the pulse of the Gulf of Alaska: Oceanographic observations along the Seward Line	North Pacific Research Board	\$50,511	\$50,511
1/1/2022	The role of the smallest phytoplankton in the northern Gulf of Alaska ecosystem	North Pacific Research Board	\$198,919	\$198,919
<b>Total for PI:</b>			<b>\$1,160,360</b>	<b>\$1,160,360</b>

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Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Provost/Other Programs</b>				
<b>Shannon Point Marine Center</b>				
<b><i>PI: Kathryn Van Alstyne</i></b>				
<b><i>Co-PI: Ruth Sofield</i></b>				
8/31/2021	Interagency Agreement with WA DNR	WA State Department Of Natural Resources	\$139,488	\$139,488
<b>Total for PI:</b>			<b>\$139,488</b>	<b>\$139,488</b>
<b><i>PI: Sylvia Yang</i></b>				
7/1/2021	Response of Greater Puget Sound Eelgrass to Stressors	WA State Department Of Natural Resources	\$99,900	\$99,900
<b>Total for PI:</b>			<b>\$99,900</b>	<b>\$99,900</b>
<b>Total for Shannon Point Marine Center:</b>			<b>\$3,333,880</b>	<b>\$3,333,880</b>
<b>Total for Provost/Other Programs:</b>			<b>\$5,364,430</b>	<b>\$5,364,430</b>

# Current Grants at Western Washington University

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March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Vice President/Other Programs</b>				
<b>Small Business Development Center</b>				
<i>PI: Carole Seitz</i>				
1/1/2021	WSU SBA Federal Grant CY2021	WA State University	\$373,546	\$373,546
<b>Total for PI:</b>			<b>\$373,546</b>	<b>\$373,546</b>
<b>Total for Small Business Development Center:</b>			<b>\$373,546</b>	<b>\$373,546</b>
<b>Total for Vice President/Other Programs:</b>			<b>\$373,546</b>	<b>\$373,546</b>

# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Viking Union/Student Activities</b>				
<b>Child Development Center</b>				
<b>PI: Carolyn Mulder</b>				
1/1/2021	DCYF Child Care Stabilization Grant	WA State DSHS Children & Family	\$75,500	\$75,500
7/1/2021	Affordable Child Care FY22-24	Washington Student Achievement Council	\$2,256	\$4,512
<b>Total for PI:</b>			<b>\$77,756</b>	<b>\$80,012</b>
<b>Total for Child Development Center:</b>			<b>\$77,756</b>	<b>\$80,012</b>
<b>Student Outreach Services</b>				
<b>PI: Joan Ullin</b>				
9/1/2021	All Nations AMP Program (Year 4) 2018-2023	Salish Kootenai College	\$7,000	\$7,000
<b>Total for PI:</b>			<b>\$7,000</b>	<b>\$7,000</b>
<b>Total for Student Outreach Services:</b>			<b>\$7,000</b>	<b>\$7,000</b>
<b>Total for Viking Union/Student Activities:</b>			<b>\$84,756</b>	<b>\$87,012</b>

# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Woodring College of Education</b>				
<b>Elementary Education</b>				
<b>PI: Anna Lees</b>				
12/1/2020	Indigenous Land Education in Early Childhood: Examining a Process for Curriculum Development in a Tribal Nation Early Learning Environment	Spencer Foundation	\$249,998	\$249,998
9/1/2021	Collaborative Research: Intergenerational Learning, Deliberation, and Decision Making for Changing Lands and Waters	National Science Foundation	\$501,303	\$1,099,555
<b>Total for PI:</b>			<b>\$751,301</b>	<b>\$1,349,553</b>
<b>PI: Matthew Miller</b>				
11/1/2020	Prepared to Teach: Implementation Grant	Bank Street College of Education	\$88,398	\$88,398
<b>Total for PI:</b>			<b>\$88,398</b>	<b>\$88,398</b>
<b>PI: Marsha Riddle Buly</b>				
7/1/2020	Woodring Highline Future Bilingual Teacher Fellows (FBTF) Program (Alternate Routes Block Grant 2020-2022)	Professional Educator Standards Board	\$144,000	\$144,000
<b>Total for PI:</b>			<b>\$144,000</b>	<b>\$144,000</b>
<b>PI: Maria Timmons Flores</b>				
3/15/2022	Summer 2022 Dare to Dream Academies (Remote)	WA Superintendent of Public Instruction	\$162,203	\$162,203
<b>Total for PI:</b>			<b>\$162,203</b>	<b>\$162,203</b>
<b>Total for Elementary Education:</b>			<b>\$1,145,902</b>	<b>\$1,744,154</b>
<b>Health and Community Studies</b>				
<b>PI: Elizabeth Boland</b>				
<b>Co-PI: Dana Brickham</b>				
10/1/2021	Long-Term Training Grant: Rehabilitation Counseling 2019-2024 (Year 3)	US Department Of Education	\$200,000	\$200,000
<b>Total for PI:</b>			<b>\$200,000</b>	<b>\$200,000</b>

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March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Woodring College of Education</b>				
<b>Health and Community Studies</b>				
<b>Total for Health and Community Studies:</b>			<b>\$200,000</b>	<b>\$200,000</b>
<b>Secondary Education</b>				
<b>PI: Bruce Larson</b>				
7/1/2020	Searching for Connections between Teacher Program Applicant Information and Selection, and STEM Teacher Retention and Effectiveness to Inform Teacher Recruitment and Education	American Institutes For Research	\$20,000	\$20,000
<b>Total for PI:</b>			<b>\$20,000</b>	<b>\$20,000</b>
<b>Total for Secondary Education:</b>			<b>\$20,000</b>	<b>\$20,000</b>
<b>Special Education</b>				
<b>PI: Aaron Perzigian</b>				
<b>Co-PI: LeAnne Robinson</b>				
7/1/2020	Woodring Inclusive Education Teacher Scholars (WIETS) Program (Alternate Routes Block Grant 2020-2022)	Professional Educator Standards Board	\$156,000	\$156,000
<b>Total for PI:</b>			<b>\$156,000</b>	<b>\$156,000</b>
<b>Total for Special Education:</b>			<b>\$156,000</b>	<b>\$156,000</b>
<b>Woodring College of Education Gen</b>				
<b>PI: Bruce Larson</b>				
9/1/1981	PEAB Teachers	WA Superintendent of Public Instruction	\$1,800	\$1,800
9/1/1981	PEAB School Counselor	WA Superintendent of Public Instruction	\$1,600	\$1,600
9/1/1981	PEAB School Admin/Principal	WA Superintendent of Public Instruction	\$1,600	\$1,600
<b>Total for PI:</b>			<b>\$5,000</b>	<b>\$5,000</b>
<b>Total for Woodring College of Education Gen:</b>			<b>\$5,000</b>	<b>\$5,000</b>

# Current Grants at Western Washington University

## Active Minds Changing Lives

March 29, 2022

Start Date	Title	Agency	Amount Received to Date	Amount Awarded
<b>Woodring College of Education</b>				
<b>Total for Woodring College of Education:</b>			<b>\$1,526,902</b>	<b>\$2,125,154</b>
<b>Western Washington University Total:</b>			<b>\$44,270,165</b>	<b>\$48,966,326</b>