

Alaska EPSCoR Seed Grants

The following UA faculty and students have been awarded grants to fund innovative projects with the potential to create new lines of EPSCoR research, education and outreach:

Coastal Margins faculty

- Benjamin Barst, UAF Water and Environmental Research Center, for “Investigation of mercury contamination of stream water and near-shore biota collected along a gradient of glacial influence.”
- William Burt, UAF College of Fisheries and Ocean Sciences, for “Characterizing groundwater input across a glacial gradient in Kachemak Bay using naturally-occurring radium isotopes: A proof-of-concept study.”
- Gwenn Hennon, UAF College of Fisheries and Ocean Sciences and Jason Fellman, UAS Alaska Coastal Rainforest Center, for “Investigating microbial productivity at the terrestrial-marine interface in Lynn Canal.”
- Eric Klein, UAA Department of Geological Sciences, for “Understanding glacier precipitation sources and meltwater contributions to intertidal systems in Kachemak Bay, Alaska.”

Coastal Margins students

- Amy Dowling, UAF College of Fisheries and Ocean Sciences, for “Variability in Pacific blue mussel (*Mytilus trossulus*) demographics in a glacially influenced estuary.”
- Carolyn Hammam, UAF College of Fisheries and Ocean Sciences, for “A regional comparison of thermotolerance in saffron cod *Eleginus gracilis* based on HSP70 concentrations at the critical thermal maximum.”
- Jordan Jenckes, UAA Department of Geological Sciences, for “Groundwater contributions to streams and intertidal waters of Kachemak Bay.”
- James Schloemer, UAF College of Fisheries and Ocean Sciences, for “Watershed influence on terrestrial resource use in nearshore marine consumers.”

Boreal Fires faculty

- Micah Hahn, UAA Institute for Circumpolar Health Studies, for “Modeling the association between cardiorespiratory hospitalizations and particulate matter from wildfire smoke in Anchorage and Fairbanks to support adaptation and resilience planning.”
- Sveta Yamin-Pasternak, UAF Department of Anthropology, for “Morel trends in Alaska Boreal Forest, perspectives from local foragers.”

Boreal Fires students

- Elizabeth Hinkle, UAF College of Fisheries and Ocean Sciences, for “Post-wildfire response of stream habitat and aquatic macroinvertebrate assemblages in the boreal forest.”
- Chris Smith, UAF Department of Geosciences, for “MaD BoV (Mapping Detection of Boreal Vegetation).”

Education and Outreach faculty

- Alison Gardell, UAA Kenai Peninsula College, for “Student-centered leadership for a newly established citizen science beluga monitoring project in Cook Inlet, Alaska.”
- Carie Green, UAF School of Education, for “Equipping educators to empower children as environmental stewards.”
- Shannon Atkinson DeMaster, UAF College of Fisheries and Ocean Sciences, for “Engaging pedagogies for STEM students studying ecological change in Alaska.”



photo by Tom Moran/Alaska NSF EPSCoR

Seed grant recipient Jason Fellman sampling on the Herbert River.



Alaska EPSCoR is funded through NSF award #OIA-1757348 & the State of Alaska

