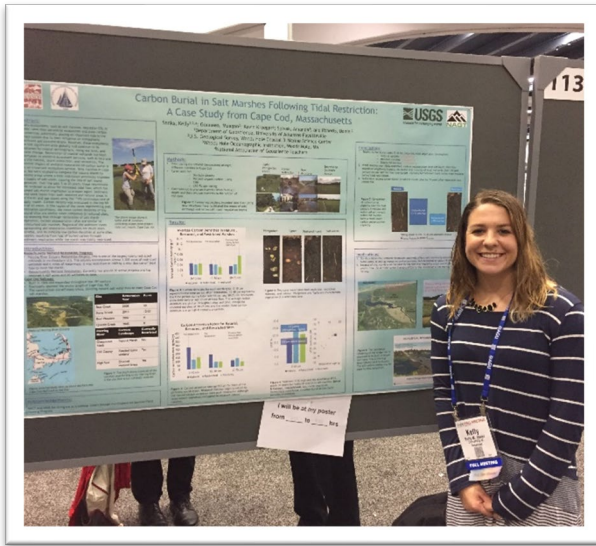


USGS 2023 Cooperative Summer Fellowship Program



The U.S. Geological Survey (USGS) Cooperative Summer Fellowship Program is the longest continuously running internship program in the Earth sciences. Over the past 58 years, over 2,600 students have participated in this program, with many participants continuing on to distinguished careers with USGS, academia, and industry.

The cooperative program was launched at the Geological Society of America meeting in Kansas City, MO in early fall of 1965 when William “Bill” Pecora, then the newly appointed Director of the USGS, held a meeting with a small group of distinguished professors and officers of the National Association of Geoscience Teachers (NAGT). Pecora suggested that the USGS would provide support through internships for outstanding newly graduated geoscience majors, while NAGT would solicit outstanding student nominations from the directors of the nation’s geoscience field camps. In this way, students with excellent training in skills needed at USGS could take their next professional step with an internship putting those skills into practice.

In recent years the USGS has expanded our partnerships in this program to include the Ecological Society of America (ESA) and the GIS Certification Institute (GISCI) to support our scientists in geography and biological sciences.

Although some modifications have been made over time, the USGS Cooperative Summer Fellowship Program operates today much as it did in the beginning. With active participation and support from the highest levels of all organizations (including the Director of the USGS), a joint committee oversees the program. The program year begins in September when NAGT, ESA, and GISCI are provided nomination information. NAGT and ESA solicit nominations of exceptionally qualified students for their affiliated training programs. GISCI submits a list of students with appropriate GIS certifications for consideration. Nominated students apply by sending a resume, letter of interest, and transcripts to the USGS. At the same time, USGS scientists interested in working with an intern submit a proposal about their research projects. A science panel then reviews and matches candidates by their course work, skills, and interests with up to five projects. Interviews and selections proceed from there. The program endeavors to place as many of the nominated students as possible. In the last several years, between 68 and 95 percent of the nominated students who applied and stayed connected through the interviews have been placed in internships.

Interdisciplinary science training is a cornerstone of the USGS mission, and as such, all science disciplines are encouraged to take advantage of the intern program. Former student interns continually receive outstanding reviews from both scientists and supervisors.

The Program continues Pecora’s vision of greater educational involvement, providing a first-rate professional experience to students early in their careers. The program today is a multidisciplinary collaboration that influences the career paths of future scientists in positive and exciting ways.

Geology and ecology field course directors can participate through our partnerships with the [NAGT](#) or [ESA](#). Please visit the appropriate websites for additional information on how to nominate students. Nominations are due in early fall.

NAGT/USGS 2023 Cooperative Summer Fellowship Program Placements

Intern: Catherine Allen
Field Camp: University of California, Santa Cruz
Mentor: Walter Mooney
Location: Menlo Park, California
Project: Earthquake, Volcano and Tsunami Hazards: Field and Office Studies

Intern: Mira Anderberg
Field Camp: Whitman College
Mentor: Sara Ernst
Location: Woods Hole, Massachusetts
Project: Enhancing Access and Engagement with USGS Coastal Change Tools

Intern: Brett Boyer
Field Camp: South Dakota School of Mines and Technology
Mentor: Kevin Ryan
Location: Troy, New York
Project: Assessing Organic Matter Character and Burial in Adirondack Lake Sediments

Intern: Brittany Brelle
Field Camp: California State Polytechnic University, Humboldt
Mentor: Elizabeth Haddon
Location: Moffett Field, California
Project: Geologic Mapping and Climate-driven Landscape Development in the Sierra Nevada and Walker Lane, California

Intern: Noah Cadwell
Field Camp: University of Missouri, Columbia
Mentor: Matthew Conlon
Location: Central Pennsylvania
Project: Assessment of Pesticides and Characterization of Groundwaters in Pennsylvania's Appalachian Mountain Siliciclastic and Northeastern Glaciated Surficial Hydrogeologic Settings

Intern: Jordan Craft
Field Camp: Western Washington University
Mentor: Karen Lund
Location: Lakewood, Colorado
Project: Northern Rocky Mountains Transect (NRMT)

Intern: Gabrielle Davy
Field Camp: South Dakota School of Mines and Technology
Mentor: Elizabeth Montgomery-Brown
Location: Vancouver, Washington
Project: Geodetic Monitoring of Volcanoes in the Western United States

Intern: Sonia Eckstein
Field Camp: Dartmouth College
Mentor: Jessica Rodysill
Location: Reston, Virginia
Project: Reconstructing Tropical Caribbean Hydroclimate using Mineralogy of Evaporites in Lago Enriquillo, Dominican Republic Sediments

Intern: Zachary Ellia
Field Camp: Miami University
Mentor: Celestine Mercer
Location: Lakewood, Colorado
Project: Melt/Fluid Inclusion and Experimental Petrology Applications to Mineral Resource Investigations

Intern: Coralie Friedman Alvarez
Field Camp: University of Puerto Rico, Mayaguez
Mentor: William Stephenson
Location: Golden, Colorado
Project: High-Resolution Geophysical Investigations of Hazardous Faults and Seismic Ground Motions—Data for Earthquake Hazard Assessments

Intern: Sara Gonzalez
Field Camp: Ohio State University
Mentor: Karen Lund
Location: Lakewood, Colorado
Project: Northern Rocky Mountains Transect (NRMT)

Intern: Rowan Gregoire
Field Camp: Dartmouth College
Mentor: Shaul Hurwitz
Location: Boulder, Colorado
Project: Compilation of Thermal Water Chemistry Data from Yellowstone

Intern: Saige Howard
Field Camp: University of Nevada, Reno
Mentor: Michael Toomey
Location: Reston, Virginia
Project: Understanding the Frequency and Intensity of Prehistoric Storm Events in the Great Lakes Region

Intern: Audrey Kettelberger
Field Camp: South Dakota School of Mines and Technology
Mentor: Lesleigh Anderson
Location: Denver, Colorado
Project: Past Perspectives of Water in the West

Intern: Taylor Kuligowski
Field Camp: University of Miami
Mentor: Thomas Cronin and Robert Poirier
Location: Reston, Virginia
Project: Quaternary Sea-Level Reconstructions

Intern: Benjamin Morbeck
College: University of Rochester
Mentor: Victoria Langenheim
Location: Moffett Field, California
Project: Geophysical Investigations of the Western United States

Intern: Zachary Morro
Field Camp: Montana State University
Mentor: Theresa Schwartz
Location: Denver, Colorado
Project: Sedimentary Process and Enrichment of Heavy Minerals in Upper Cretaceous Strata of the Western Interior

Intern: Leyla Namazie
Field Camp: South Dakota School of Mines and Technology
Mentor: Walter Mooney
Location: Menlo Park, California
Project: Earthquake, Volcano and Tsunami Hazards: Field and Office Studies

Intern: Adam Parol
Field Camp: Colorado State University
Mentor: Graham Lederer
Location: Reston, Virginia
Project: Deposit Models for Critical Mineral Resource Assessment

Intern: Margery Price
Field Camp: University of Oregon
Mentor: Blaine McCleskey
Location: Boulder, Colorado
Project: Compilation of Thermal Water Chemistry Data from Yellowstone

Intern: Michael Snook
Field Camp: University of Texas, Austin
Mentor: Stephanie James
Location: Denver, Colorado
Project: Exploring Hydrogeologic and Cryospheric Processes using Near-Surface Geophysical Methods

Intern: Madeleine Tan
Field Camp: University of Michigan
Mentor: Rich Briggs
Location: Golden, Colorado
Project: Active Fault Characterization in Colorado and Beyond

Intern: Benjamin Thomas
Field Camp: Franklin and Marshall College
Mentor: Greg Noe
Location: Reston, Virginia
Project: Wetland Influences on Stream and Watershed Ecosystem Health

Intern: Eli VanDyke
Field Camp: South Dakota School of Mines and Technology
Mentor: Walter Mooney
Location: Menlo Park, California
Project: Earthquake, Volcano and Tsunami Hazards: Field and Office Studies

Intern: Donovan Vitale
Field Camp: Western Michigan University
Mentor: Carole Johnson
Location: Storrs, Connecticut
Project: Hydrogeophysics

Intern: Grace Walker
Field Camp: South Dakota School of Mines and Technology
Mentor: Victoria Langenheim
Location: Moffett Field, California
Project: Geophysical Investigations of the Western United States

Intern: Trevor Williams
Field Camp: University of Texas, Arlington
Mentor: Belle Philibosian
Location: Moffett Field, California
Project: Northern California Earthquake Geology

Intern: Lauren Wratchford
Field Camp: Saint Louis University
Mentor: James Vallance
Location: Cascades Volcano Observatory
Project: Postglacial Volcanism in the Cascade Range -- Explosive eruptions at Glacier Peak, Washington and Three Sisters, Oregon

Intern: Sophia Zipparo
Field Camp: South Dakota School of Mines and Technology
Mentor: Karen Lund
Location: Lakewood, Colorado
Project: Northern Rocky Mountains Transect (NRMT)

ESA/USGS 2023 Cooperative Summer Fellowship Program Placements

Intern: Krimson Anderson
College: Weber State University
Mentor: Anna Baker
Location: St. Paul, Minnesota
Project: Exploring Sediment-Bound Phosphorus as a Driver of Algal Blooms in Rainy-Lake of the Woods Basin

Intern: Daniel Bloedow
College: St. Olaf College
Mentor: Nicholas Johnson
Location: Rogers City, Michigan
Project: Sea Lamprey Aquaculture and Procurement Initiative

Intern: Randy Brannon
College: University of Alaska Southeast
Mentor: Nicholas Johnson
Location: Burns, Oregon
Project: Saline Lake Ecosystems Integrated Water Availability Assessment

Intern: Ariana Brisco Schofield
College: University of California, San Diego
Mentor: Anya Metcalfe
Location: Flagstaff, Arizona
Project: Food Web Research in a Grand Canyon Tributary

Intern: Isaac Eastland
College: University of North Texas
Mentor: Sheel Bansal
Location: Jamestown, North Dakota
Project: Mitigating Climate Change Through Wetland Restoration in the Great Plains

Intern: Alexi Ebersole
College: University of Puget Sound
Mentor: Paula Henry
Location: Laurel, Maryland
Project: Assessing Aluminum and Selenium Toxicity to Crayfish

Intern: Sofia Galvan
College: Montana State University
Mentor: Andy Royle
Location: Laurel, Maryland
Project: Capture-Recapture Study of Eastern Box Turtles on the Patuxent Refuge

Intern: Tyler Goldstein
College: University of California, Berkeley
Mentor: Cara Applestein
Location: Boise, Idaho
Project: How Do Post Fire Recovery Trajectories Vary Across Different Treatment Types, Landscape Gradients, and Climate Regimes?

Intern: Landry Grant
College: University of North Texas
Mentor: Kyle McLean
Location: Jamestown, North Dakota
Project: Assessment of Biological Communities and Ecosystem Functions in Novel Wetland Habitats and Potential Implications for Wetland Conservation

Intern: Joseph Gravino
College: University of North Carolina, Wilmington
Mentor: Muruleedhara Byappanahalli
Location: Chesterton, Indiana
Project: Understanding Factors Contributing to the Excessive Growth of Nuisance Alga Cladophora in Great Lakes

Intern: Leo Ivey
College: University of North Carolina, Greensboro
Mentor: Althea Archer
Location: Remote
Project: Communicating Integrated Water Science through Data Visualization

Intern: Ally Jones
College: University of North Carolina, Wilmington
Mentor: Michelle Staudinger
Location: Boston and Amherst, Massachusetts
Project: Monitoring Intertidal Biodiversity at the Boston Harbor Islands National and State Park

Intern: Gavin Kerr
College: University of Colorado, Boulder
Mentor: Brynne Lazarus
Location: Boise, Idaho
Project: Evaluating Whole Ecosystem Effects of Tools for Exotic Annual Grass Control and Restoration in Sagebrush Steppe

Intern: Darius Liles
College: California State University, Monterey Bay
Mentor: Matthew Germino
Location: Boise, Idaho
Project: Monitoring and Research to Support Adaptive Wildfire Management in Western Rangelands

Intern: Katie Marx
College: University of Cincinnati
Mentor: Rich Sheibley
Location: Tacoma, Washington
Project: Water Quality and Ecological Sampling to Support Status and Trends Monitoring of Small Streams in Puget Sound

Intern: Terra McCoy
College: Auburn University
Mentor: Michael Duniway and Erika Geiger
Location: Moab, Utah
Project: Assessing Impacts of Climate Change and Land-use on Drylands of the Colorado Plateau

Intern: Valeria Rodriguez
College: California State University, Monterey Bay
Mentor: Kurt Kowalski
Location: Ann Arbor, Michigan
Project: Developing New, Sustainable Control Strategies for an Invasive Wetland Grass (*Phragmites australis*)

Intern: Anthony Rondon
College: California State Polytechnic University, Pomona
Mentor: Wesley Bickford
Location: Ann Arbor, Michigan
Project: Taking Advantage of High Water Levels in the Great Lakes to Improve Management of a Persistent Invasive Wetland Grass

Intern: Matthew Simmons
College: Oregon State University
Mentor: Noel Pavlovic
Location: Chesterton, Indiana
Project: Refining Visitor Impact Metrics for Great Lakes Coastal Dune Landscapes

Intern: Aimee Chi Soe
College: University of California, Irvine
Mentor: Miriam Jones and Deb Willard
Location: Reston, Virginia
Project: Drivers of Wetland Change; and Human and Climate Impacts to Hawaiian Wetlands in the Late Holocene

Intern: Emily Tacke
College: Seattle University
Mentor: Meagan Eagle
Location: Woods Hole, Massachusetts
Project: Coastal Wetland Resilience and Soil Carbon Consequences of Coastal Wetland Management

Intern: Hannah Thomas
College: Chatham University
Mentor: Clint Otto
Location: Jamestown, North Dakota
Project: Improving Pollinator Habitat in the Great Plains

Intern: Kaysa Vaarre-Lamoreux
College: University of North Carolina, Greensboro
Mentor: Julie Padilla
Location: Remote
Project: Building Integrated Water Science with Reproducible Data Practices

GISCI/USGS 2023 Cooperative Summer Fellowship Program Placements

Intern: Lauren Holzman
College: University of British Columbia
Mentor: Courtney Creamer
Location: Menlo Park, California
Project: Lithologic Controls on Coupled Changes in Soil Organics and Minerals after Wildfire Communications

Intern: Addie Marie Jenkinson
College: University of Florida
Mentor: James Shanley
Location: Montpelier, Vermont
Project: Tracking Sources and Stream Transport of Organic Carbon

Intern: John Kelly
College: University of Massachusetts
Mentor: Susan Kemp
Location: Corvallis, Oregon
Project: Conservation Efforts Database – Web Tool Development, Data Management, and Science