NSF- EPA Graduate Research Internship Program (GRIP) and Graduate Research Fellowship Program (GRFP) Opportunities

About EPA GRIP
*GRIP Program on hold until further notice

https://www.epa.gov/research-grants/nsf-graduate-research-internship-program-grip-epa

EPA has partnered with NSF to provide internship opportunities for current NSF Graduate Research Fellows (GRF). Fellows may apply for supplemental NSF GRIP funds to support short-term research internships at EPA. EPA GRIP/GRFP opportunities are posted on line and updated throughout the year (see summary list below). Please note that EPA provides in-kind support only.

How it Works

In spring and fall, NSF opens the GRFP GRIP application portal and notifies Fellows and GRFP administrators. Interested Fellows search the agency GRIP opportunities and may contact the lead researcher to discuss internship goals. Applicants may request input from the EPA researcher when developing a project scope. Fellows submit applications to NSF (deadlines May 6 and Dec 4). NSF reviews and selects applications for awards. EPA does not pre-approve applications. **Due to COVID-19, the NSF GRIP program is on hold until further notice. Focus is now being given to the NSF GRFP INTERN program (see below).**

Outreach

The NSF GRIP team reminds GRFP institutions and Fellows to contact EPA for an updated list of projects. This table is provided upon request and may be posted on the EPA GRIP/GRFP web page. In addition, EPA may share EPA GRIP/GRFP project information to institutions with GRFP funding to raise awareness.

About NSF GRIP
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https://nsf.gov/pubs/2018/nsf18069/nsf18069.jsp

The NSF Graduate Research Internship Program (GRIP) is open to eligible students who have **NSF Graduate Research Fellowship Program (GRFP)** funding. NSF reviews and approves funding for GRIP (EPA does not approve applications prior to the NSF review and selection process). For all questions about the NSF GRIP application process, please contact **GRIP@nsf.gov**.

NSF GRFP INTERN program

https://www.nsf.gov/pubs/2021/nsf21013/nsf21013.pdf
https://www.epa.gov/research-fellowships/graduate-research-fellowship-program-grfp

The NSF GRFP INTERN program encourages NSF principal investigators to include graduate internship opportunities in their research. INTERN is not restricted to GRFP Fellows. EPA GRIP research topics and projects may be tailored for other training programs, such as the **NSF GRFP INTERN funding opportunity.** To apply for funding, faculty/NSF PIs must obtain a letter of collaboration from an agency researcher. For more details, please refer to the URLs copied above. Additional information on specific terms and conditions for INTERN supplements to NSF GRFP awards can be requested by sending an email to GRFP INTERN: **GRFPINTERN@nsf.gov**

EPA GRIP/GRFP Opportunities

Location of Internship	EPA Internship Opportunity URL	EPA Graduate Research Internship Opportunity/ Graduate Research Fellowship Opportunity	EPA Project Lead & Mentor	EPA Office	Duration (projects range from 3 and 12 months)	Relevant NSF GRFP Fields of Study (FoS)
Ada, OK	https://www.epa.gov/research-fellowships/research-and-technology-transfer-groundwater-quality-and-remediation	Research and Technology Transfer on Groundwater Quality and Remediation	Ann Keeley keeley.ann@epa.gov		3-12 mo.	Please contact ORD Research Lead
Atlanta, GA	https://www.epa.gov/research-fellowships/understanding-critical-rare-earth-metals-recovery-economics	Understanding Critical Rare Earth Metals Recovery & Economics	Larry Long (Region 4) long.larry@epa.gov Rick Wilkin wilkin.rick@epa.gov		3 - 12 mo. Prefer 12 mo.	Environmental Chemistry Systems, Chemical Engineering, Environmental Engineer, System Engineering, Civil Engineering, Mining Engineering, Geochemistry, Geophysics, Hydrology, Plasma Physics, Theoretical Physics, Economics, Decision Making and Risk Analysis, Science Policy
Cincinnati, OH	https://www.epa.gov/research-fellowships/quantifying-greenhouse-gas-emissions-water-impoundments	Quantifying Greenhouse Gas Emissions from Water Impoundments	Jake Beaulieu Beaulieu.Jake@epa.gov		3-12 mo.	Biogeochemistry Ecology Microbial Biology
Cincinnati, OH	https://www.epa.gov/research-fellowships/data-analysis-sequences-and-qpcr-microbial-communities-during-algal-blooms	Data Analysis of Sequences and qPCR for Microbial Communities during Algal Blooms	Jingrang Lu lu.jingrang@epa.gov		12 mo.	Please contact ORD Research Lead

Location of Internship	EPA Internship Opportunity URL	EPA Graduate Research Internship Opportunity/ Graduate Research Fellowship Opportunity	EPA Project Lead & Mentor	EPA Office	Duration (projects range from 3 and 12 months)	Relevant NSF GRFP Fields of Study (FoS)
Corvallis, OR	https://wcms.epa.gov/research-fellowships/optimizing-agricultural-nitrogen-management-conveying-nitrogen-cascade	Optimizing Agricultural Nitrogen Management: Conveying the Nitrogen Cascade to Stakeholders	Renee J Brooks brooks.reneej@epa.gov		3-12 mo.	Hydrology, quantitative ecology
Corvallis, OR	https://www.epa.gov/research-fellowships/research-role-microplastics-interface-terrestrial-and-aquatic-ecosystems	Research on the Role of Microplastics at the Interface of Terrestrial and Aquatic Ecosystems	Christian P. Andersen Andersen.Christian@epa.gov Paul Mayer mayer.paul@epa.gov		3-12 mo.	Please contact ORD Research Lead
Duluth, MN	https://www.epa.gov/research-fellowships/implications-gut-content-purging-upon-chemical-residues-lumbriculus-variegatus	Implications of Gut Content Purging upon Chemical Residues in Lumbriculus variegatus for Highly Hydrophobic Chemicals	Lawrence Burkhard burkhard.lawrence@epa.gov		3-12 mo.	Life Sciences, Chemistry: Chemistry - Environmental Chemical Systems, Life Sciences - Ecology, Life Sciences-Environmental Biology, Life Sciences other: Ecotoxicology
Durham, NC	https://www.epa.gov/research-fellowships/performance-evaluation-low-cost-air-quality-sensors	Performance Evaluation of Low-Cost Air Quality Sensors	Andrea Clements clements.andrea@epa.gov		6 -12 mo.	Atmospheric Chemistry Analysis, Machine Learning, Chemistry, Statistics, Environmental Engineering , Formal Methods, Verification, and Programming Languages
Durham, NC	https://www.epa.gov/research-fellowships/combining-measurements-and-modeling-better-understand-ammonia-air-surface	Combining Measurements and Modeling to Better Understand Ammonia Air-Surface Exchange Processes	John Walker Walker.Johnt@epa.gov		12 mo.	Please contact ORD Research Lead
Durham, NC or Cincinnati, OH	https://www.epa.gov/research-fellowships/satellite-water-quality-monitoring	Satellite Water Quality Monitoring	Blake Schaeffer schaeffer.blake@epa.gov		12 mo.	Data Mining and Information Retrieval, Machine Learning, Graphics and Visualization, Geosciences, Limnology, Ecology, Computational and Data-enabled Science, Statistics, Science Policy, Communications, Science Education, Technology Education
Gulf Breeze, FL	https://www.epa.gov/research-fellowships/use-multidisciplinary-science-develop-coral-reef-biocriteria-protective	Use Multidisciplinary Science to Develop Coral Reef Biocriteria Protective of Biological Communities & Final Ecosystem Goods & Services	Debbie Santavy santavy.debbie@epa.gov		6 -12 mo.	Please contact ORD Research Lead
Kansas City, KS	https://www.epa.gov/research-fellowships/cyanobacteria-identification-using-flow-imaging-cytometry	Cyanobacteria identification using flow imaging cytometry	Laura Webb (webb.laura@epa.gov)		3-12 mo.	Computer and Information Sciences & Engineering Life Sciences
Narragansett, RI	https://www.epa.gov/research-fellowships/linking-short-term-responses-ecologically-relevant-outcomes	Linking short-term responses to ecologically-relevant outcomes	Diane Nacci nacci.diane@epa.gov		12 mo. Or summer	Developmental Biology, Ecology, Environmental Biology, Evolutionary Biology, Genetics, Genomics, Systems and Molecular Biology, Life Sciences, other: Ecotoxicology
Narragansett, RI	https://www.epa.gov/research-fellowships/assessing-soil-responses-recently-restored-coastal-salt-marshes	Assessing soil responses in recently restored coastal salt marshes	Cathleen Wigand wigand.cathleen@epa.gov		6 -12 mo.	Geosciences - Marine Biology
Newport or Corvallis, OR	https://www.epa.gov/research-fellowships/environmental-geophysics-research-and-development	Environmental Geophysics Research and Development	Dale Werkema werkema.d@epa.gov		6 -12 mo.	Please contact ORD Research Lead
Newport, OR	https://www.epa.gov/research-fellowships/drivers-and-impacts-coastal-acidification-pacific-northwest-estuaries	Drivers and Impacts of Coastal Acidification in Pacific Northwest Estuaries	Cheryl Brown brown.cheryl@epa.gov		3-12 mo.	Biogeochemistry, Chemical Oceanography, Geochemistry, Marine Biology
Research Triangle Park, NC	https://www.epa.gov/research-fellowships/evaluation-online-measurement-techniques-volatile-organic-compounds	Evaluation of Online Measurement Techniques for Volatile Organic Compounds	Ingrid George george.ingrid@epa.gov		6 -12 mo.	Please contact ORD Research Lead
Research Triangle Park, NC	https://www.epa.gov/research-fellowships/particulate-matter-and-black-carbon-emissions-inventories-and-measurement	Particulate Matter and Black Carbon Emissions Inventories and Measurement Techniques	Tiffany Yelverton yelverton.tiffany@epa.gov		12 mo.	Please contact ORD Research Lead

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Research Triangle Park, NC	https://www.epa.gov/research-fellowships/fundamental-uvir-reference-spectra-analysis-and-evaluation	Fundamental UV/IR Reference Spectra Analysis and Evaluation	Jeff Ryan ryan.jeff@epa.gov		6 -12 mo.	Please contact ORD Research Lead
Research Triangle Park, NC	https://www.epa.gov/research-fellowships/development-energy-water-infrastructure-tools-aid-local-state-and-regional	Development of energy-water infrastructure tools to aid local, state, and regional decision making	Ozge Kaplan kaplan.ozge@epa.gov		9-12 mo.	Many FoS areas including Engineering (civil, environmental, mechanical, industrial) and Operations Research, Systems Engineering, Decision Making and Risk Analysis, Economics, Applied Mathematics.
Research Triangle Park, NC	https://www.epa.gov/research-fellowships/international-household-energy-research	International Household Energy Research	Jim Jetter jetter.jim@epa.gov		12 mo.	Please contact ORD Research Lead
Research Triangle Park, NC	https://www.epa.gov/research-fellowships/quantifying-consequences-spatio-temporal-dynamics-mangroves-forests-provision	Quantifying the Consequences of Spatio-temporal Dynamics of Mangroves Forests in the Provision of Ecosystem Goods and Services	Chandra Giri Giri.Chandra@epa.gov		12 mo.	Please contact ORD Research Lead
Research Triangle Park, NC	https://www.epa.gov/research-fellowships/particulate-matter-and-black-carbon-emissions-inventories-and-measurement	Black Carbon Emissions from Residential Combustion in Arctic Nations	Carlos Nunez nunez.carlos@epa.gov		12 mo.	Please contact ORD Research Lead
Research Triangle Park, NC	https://www.epa.gov/research-fellowships/remote-sensing-and-mapping-urban-environments	Remote sensing and image classification of urban environments for sustainable and healthy communities	Drew Pilant pilant.drew@epa.gov		3-12 mo.	Computational and Data-enabled Science
Research Triangle Park, NC	https://www.epa.gov/research-fellowships/using-zebrafish-detect-developmentally-neurotoxic-chemicals-research	Using Zebrafish to Detect Developmentally Neurotoxic Chemicals Research	Stephanie Padilla padilla.stephanie@epa.gov		3-12 mo.	Chemistry - Chemistry of Life Processes
Research Triangle Park, NC	https://www.epa.gov/research-fellowships/assessing-benefits-natural-environment-individual-well-being	Assessing the Benefits of the Natural Environment to Individual Well-being	Kim Rogers rogers.kim@epa.gov		12 mo.	Please contact ORD Research Lead
Research Triangle Park, NC	https://www.epa.gov/research-fellowships/liquid-chromatography-quadrupole-time-flight-mass-spectrometry	Gas- and/or Liquid Chromatography - High Resolution Mass Spectrometry	Elin Ulrich ulrich.elin@epa.gov		12 mo.	Chemical Measurement and Imaging, Bioinformatics and other Informatics (specifically chemoinformatics), Statistics
Research Triangle Park, NC	https://www.epa.gov/research-fellowships/identifying-neurophysiological-signatures-neurotoxicant-action	Identifying Neurophysiological Signatures of Neurotoxicant Action	Tim Shafer shafer.tim@epa.gov		9-12 mo.	Computer and Information Sciences & Engineering: Bioinformatics and other (chemoinformatics), Machine Learning Life Sciences Bioinformatics and Computational Biology Developmental Biology: Neurosciences Mathematical Sciences: Applied Mathematics
Research Triangle Park, NC	https://www.epa.gov/research-grants/using-gene-expression-predict-toxicity-caused-environmental-chemicals	Using Gene Expression to Predict Toxicity Caused by Environmental Chemicals (Broad Category)	Chris Corton corton.chris@epa.gov		3-12 mo.	Chemistry - Chemistry of Life Processes
Research Triangle Park, NC	https://www.epa.gov/research-fellowships/development-and-application-methods-assessing-immunocompetence-bees	Development and Application of Methods for Assessing Immunocompetence in Bees	David Lehmann lehmann.david@epa.gov		3-12 mo.	Please contact ORD Research Lead
Research Triangle Park, NC	https://www.epa.gov/research-fellowships/flood-induced-contaminants-fate-and-transport-and-exposure-risks-vulnerable	Flood Induced Contaminants Fate and Transport and Exposure Risks in Vulnerable Communities	Pai-Yei Whung Whung.Pai-Yei@epa.gov		3-12 mo.	Hydraulic model, chemical fate-and-transport model
Seattle, WA	https://wcms.epa.gov/research-fellowships/tribal-risk-assessment-assessing-health-risks-related-waste-disposal-sites	Tribal Risk Assessment	Angel Ip ip.angel@epa.gov	Region 10	3-12 mo.	Life Sciences, Science Policy (Social Sciences)