



Biogeochemical Argo Researcher Recruitment Description

NOAA's Atlantic Oceanographic and Meteorological Laboratory (AOML) is seeking to hire a term-limited Federal scientist to conduct ocean research focused in the Gulf of Mexico and Atlantic Ocean. AOML is deploying an array of Biogeochemical-Argo (BGC-Argo) ocean profiling floats in the chronically under observed Gulf of Mexico. The researcher will use the new Gulf of Mexico BGC-Argo data streams as well as other data sources to conduct their research. Examples of research topics include but are not limited to, evaluation of air-sea carbon dioxide fluxes, biological pump strength, nitrogen cycling, oxygen minimum zone extent, phytoplankton community dynamics, and ocean acidification. The researcher will be responsible for manipulating, visualizing, and analyzing BGC-Argo and other oceanographic datasets. The majority of the candidate's time (75%) will be dedicated to conducting research and communicating scientific results via presentations at scientific meetings and publishing results in peer-reviewed scientific journals. A portion (25%) of the researcher's time will be dedicated to supporting data quality assessment and advancing delayed-mode quality control procedures.

Qualified candidates should be able to:

- Work independently to conceptualize new research ideas and carry the scientific process to completion;
- Analyze BGC-Argo and other oceanographic datasets using MATLAB, Python, or a comparable programming language;
- Regularly work collaboratively with team members and leadership and interact respectfully with people from diverse backgrounds and academic levels.

To be considered for employment, applications should have:

- A Master's or Ph.D. degree in Oceanography or a related field and a NOAA/Federal government-related mentorship, fellowship, or internship experience;
- A demonstrated ability in publishing scientific results in peer-reviewed literature;
- An understanding of ocean biogeochemical cycling including the carbon, oxygen, and nutrient cycles;
- Experience with ocean data quality control, assessment, and analysis and proficiency working with observational datasets;
- Demonstrated ability to multitask, communicate effectively, and work with a team on multifaceted issues.

Eligibility

This Federal appointment will be made using a non-competitive pathway that promotes students who have participated in NOAA mentorship programs, providing a clear mechanism to pursue positions in NOAA's Federal workforce. Therefore, applicants must have a record of

NOAA mentorship through the form of fellowships or similar programs. If you have questions about your eligibility, please contact the hiring points of contact. Details on eligibility and suitable programs include:

- a. Internship or fellowship programs that provide developmental or professional experiences to individuals who have completed their formal education;
- b. Training and associateship programs designed to increase the pool of qualified candidates in a particular occupational specialty;
- c. Professional/industry exchange programs that provide for a cross-fertilization between the agency and the private sector to foster mutual understanding, an exchange of ideas, or to bring experienced practitioners to the agency;
- d. Residency programs through which participants gain experience in a Federal clinical environment; and,
- e. Programs that require a period of government service in exchange for educational, financial, or other assistance.
- f. It is the policy of the Department of Commerce (DOC) to employ only U.S. Citizens or persons owing permanent allegiance to the United States. A non-citizen hired in the absence of a qualified citizen may only be given a Schedule A excepted appointment, authorized by 5 CFR § 213.3102(bb), and must be approved by the Office of Personnel Management (OPM). The hiring of non -citizens is described in Department of Commerce Human Resources (HR) Bulletin #071, FY 07, Hiring of Non-Citizens.

Application Information

Applications will be accepted through May 30. We anticipate that the successful candidate will start with AOML in August 2021, though the start date is negotiable. The duty station is Miami, FL, though starting remotely may be possible during the COVID pandemic. Through our commitment to diversity and inclusion, AOML strives to make current and future employees able to contribute their talents in a place they feel welcome, supported, and empowered to support NOAA's mission. The position will be a term-limited appointment of 1-4 years under Schedule A(r). Recent graduates with a Master's degree will be hired at the ZP-2 (GS- 9 equivalent) level and recent Doctoral graduates will be hired at the ZP-3 (GS-11 equivalent) level.

Applicants should direct questions and/or send a cover letter and resume to Dr. Emily Osborne (Emily.Osborne@noaa.gov) and Dr. Chris Kelble (Chris.Kelble@noaa.gov).