



Postdoctoral Scholar in Satellite Ocean Color Research & Applications

The Optical Oceanography Lab (**OOL**, <https://optics.marine.usf.edu>) at the College of Marine Science (**CMS**), University of South Florida (**USF**) is offering 1-2 Postdoctoral Scholar positions in the field of optical remote sensing from satellite platforms.

The primary duties and obligations of the appointments are to support Federal- and State-funded research projects involving optical remote sensing of aquatic environments. The successful candidates will be expected to advance the current state-of-the-art in algorithm and product development for water quality parameters and benthic properties in optically complex and/or optically shallow waters, assessment of algal blooms, and quantification of biogeochemical properties in coastal and inland waters.

The positions are available immediately, for a possible duration of 3 years, contingent upon satisfactory performance. Salary is commensurable with experience.

Minimum Qualifications:

A PhD degree in optical oceanography, remote sensing, aquatic science, or closely related field, is required. Also required is willingness to work with interdisciplinary research teams and motivation to advance science through both independent activities and collaborative research.

Preferred Qualifications:

We are seeking candidates who have demonstrated excellence in scholarly creativity and productivity, with potential foci including ocean color research and applications, for example, algorithm development, radiative transfer simulations, bio-optical inversion, atmospheric correction, or algal bloom and water quality assessments for optically complex waters. Relevant coding experience (e.g., Python) is preferred, as is prior work applying high-level analytical approaches (e.g., machine learning, Bayesian statistics) to satellite remote sensing datasets.

Contact:

For information regarding the available positions, please contact Dr. Brian Barnes (bbarnes4@usf.edu) or Dr. Chuanmin Hu (huc@usf.edu).

Application procedure:

To apply please submit your application, curriculum vitae, and requested documents through the USF Careers recruitment system [here](#).

Please submit the following requested documents with your application:

1. A cover letter highlighting your motivation for applying to this position and your career goal (one page maximum).
2. A research statement that describes the focus and impact of your current and planned future research (two page maximum).
3. Curriculum vitae.
4. Contact information for three referees.

These positions will be open until filled. However, priority review of applications will begin by August 1, 2023.

The College of Marine Science has 24 ranked faculty covering biological, chemical, geological, and physical aspects of marine science and resource assessment, ~100 graduate students, ~\$15 million in annual research, a total endowment of ~\$18 million, and ~80 full-time support personnel. The CMS hosts a range of state-of-the-art instrumentation and facilities and is strategically located on USF's waterfront campus in St. Petersburg. St. Petersburg is home to many State and Federal research and operational agencies including the Florida Fish and Wildlife Research Institute, Florida Institute of Oceanography, NOAA National Marine Fisheries Service Southeast Regional Office, and the USGS Coastal and Marine Science Center. Together, these comprise one of the largest marine-science research complexes in the US. Additional information is available at <http://www.usf.edu/marine-science> and <http://www.usf.edu>.

The University of South Florida is a high-impact, global research university located adjacent to beautiful Tampa Bay on Florida's spectacular west coast. As a member of the Association of American Universities, USF is one of the largest public universities in the nation and is ranked 28th among the top public universities for total research expenditures by the National Science Foundation. The university is classified by the Carnegie Foundation for the Advancement of Teaching in the Doctoral Universities: Highest Research Activity category, a distinction attained by only 2.5 percent of all universities. At the heart of USF is a vibrant, diverse, and engaged student body. More than 50,000 students are enrolled in the USF System, which includes three distinct campuses –USF St. Petersburg, USF Tampa, and USF Sarasota-Manatee – with an annual budget of \$1.8 billion and an annual economic impact of more than \$6 billion.

USF is an equal opportunity, equal access academic institution that embraces diversity in the workplace.