

**Multiple Graduate Fellowships available with the
Center for Aquatic Chemistry and Environment (CACHÉ)
at Florida International University, Miami, FL**

The NSF-funded CREST program at Florida International University, the Center for Aquatic Chemistry and Environment (CACHÉ) has a number of *graduate student fellowships available in multiple departments, including Biology, Chemistry, Earth & Environment, Engineering, Computer Sciences, and Architecture. In addition, we have fellowships available to work on the Education and Innovation components of the Center.*

The research focus of CREST CACHÉ is to advance transformative research and cutting-edge technological approaches to identify emerging contaminants and understand their multi-scalar impacts at the organismal, population, community and ecosystem level. The proposed work will be performed across South Florida's interwoven systems, consisting of natural, agricultural, and human/urban zones.

CREST CACHÉ will specifically research the focus areas listed below. Students accepted into the program will have opportunities to participate in all areas, as well as internships with our partner organizations and professional development activities.

1. **Novel Environmental Stressor Detection:** Using advanced analytical technology and methodologies to detect low levels of emerging and novel chemical stressors.
2. **Multi-Level Organismal Impacts:** Addressing the effects of stressors across biological scales, including epigenetic, cellular, physiological, and behavioral.
3. **Integrated Ecosystem Assessment:** Characterizing impacts at the population, community, and ecosystem levels, to develop models and interventions that enhance ecosystem services.
4. **Education and Innovation:** Developing discipline-based educational methods and innovative tools using robotics, big-data analytics, virtual reality, and artificial intelligence.

Prospective graduate students are instructed to look at the list of CREST faculty mentors on the program website (CRESTCACHÉ.fiu.edu) and apply to the faculty member's appropriate department, indicating your interest in the program. Full 12-month stipends are available.

Students from groups traditionally underrepresented in science and engineering fields are especially encouraged to apply. US Citizenship or permanent residency is required. Direct any inquiries to CRESTCACHE@fiu.edu or 305-348-3594.

FIU is a Carnegie engaged public research university, classified as R1 highest research activity, and offers more than 180 bachelors, masters and doctoral programs. FIU is the largest majority minority RI institution in the US, with a student population of over 50,000. FIU is a vibrant, student-centered public research university, ideally located in Miami, that is worlds ahead in its commitment to learning, research, entrepreneurship, innovation, and creativity so that our graduates are prepared to succeed in a global market. CREST CACHÉ is part of the Institute of Environment (environment.fiu.edu) an FIU Preeminent Program.