



• Please Post - Position #19015-I •

## **Undergraduate Research Program Leader and Research Specialist**

- Purpose:** To conduct cutting edge research about undergraduate research in science (ca. 50%), and co-lead the Translational Ecology for Undergraduates program at Cary Institute and the Sustainable Urban Water Undergraduate Research Program through the Urban Water Innovation Network (ca. 50%).
- Reports to:** Dr. Alan R. Berkowitz, Head of Education, Cary Institute of Ecosystem Studies
- Duration:** One year, full time position, with possibility for a second year contingent upon funding. Preferred start date is in summer 2019.
- Location:** Cary Institute of Ecosystem Studies, Millbrook, NY.
- Qualifications:**
- Ph.D. in education strongly preferred or in a relevant field of natural or social science.
  - Research experience studying undergraduate student learning and vocational development, preferably in the context of mentored research experiences.
  - Excellent analytical and research skills in both qualitative and quantitative methods.
  - Coursework in environmental science required, and research experience in science preferred.
  - Ability to counsel undergraduate students, and to support scientist mentors.
  - Strong organizational, interpersonal and writing skills.
- Responsibilities:**
- Plan and implement research about students in the two undergraduate research programs led by Cary Institute:
    - o *Translational Ecology for Undergraduates* – This 12 week program engages 8-13 students from ecology and environmental science in mentored research at Cary Institute. It is an NSF-supported Research Experiences for Undergraduates (REU) program and will be in its 33<sup>rd</sup> year in 2019.
    - o *Undergraduate Research Program in Urban Water Sustainability*. This program engages 9-10 students from natural and social science and engineering in mentored research at institutions across the country. The 9 week program starts and ends at Colorado State University in Ft. Collins, CO. It is part of the Urban Water Innovation Network, an NSF-supported Sustainability Research Network. It will be entering its 4<sup>th</sup> year in 2019.
- This will entail:
- o Organizing data from the past programs
  - o Identifying cutting edge research questions that can be addressed with these data, such as the nature of long-term influences of research experience on participants (based on 30+ years of alumni data), comparing participation outcomes among students with different prior interests and experience, or describing multivariate patterns of student response to participation.
  - o Pursuing these questions through qualitative and quantitative analysis

- o Planning and implementing new data collection with participants in upcoming programs to complement and contribute to work with the existing data.
- o Presenting results of the research at conference and through publication.
- Help write grant proposals to continue both programs beyond 2020.
- Serve as Program Leader for both programs. This will entail:
  - o Plan, organize and provide logistical support for mentors and students in both programs.
  - o Advertise each program broadly to ensure a large and diverse pool of qualified applicants.
  - o Provide support for participating undergraduate students and their mentors.
  - o Process student applications and assist in the selection process.
  - o Maintain an alumni database with contact and current status information.
  - o Manage the program budgets.
  - o Help prepare annual reports, papers and presentations about the program.

**To apply:**

Visit our website at <http://www.caryinstitute.org/who-we-are/jobs> and complete our online job application. Please submit one document that includes a cover letter, resume and the names and full contact information (including e-mail address) for three professional references. Please include reference code 19015-I in your correspondence.

For more information about the position, contact: Dr. Alan R. Berkowitz, (845) 677-7600 ext. 311, E-mail: [BerkowitzA@caryinstitute.org](mailto:BerkowitzA@caryinstitute.org).

**Closing date:**

We will begin reviewing applications immediately and will accept applications until May 3, 2019 or until the position is filled.

**AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER--MIN/FEM/VET/DISAB**