Faculty Cluster Search in Environmental Science and Engineering, and Synthetic Biology 2021

Location: Carnegie Mellon University, Pittsburgh, PA

Open Date: August 16, 2021

Description

Carnegie Mellon is in the midst of an exciting growth phase in the area of Environmental Science and Engineering, and Synthetic Biology. The Departments of Biological Sciences, Chemistry, Civil and Environmental Engineering, Chemical Engineering and Mechanical Engineering, seek tenure-track faculty candidates using experimental, theoretical or computational approaches to investigate or engineer environmental systems.

Areas of interest include, Biological Circuit Design, Cell Reprogramming, Microbial Community Engineering, and Ecosystem Science and Engineering. People working in the following areas are especially encouraged to apply: synthetic chemical roles in endocrine disruption and their interactions with ecological systems; biological assays that can promote the design of sustainable molecules and materials, microbial community engineering and/or synthetic biology for bioremediation, sustainable energy, and/or environmental monitoring; and biosensor development.

CMU fosters transdisciplinary collaborative approaches to compelling societal challenges and is looking for candidates who would benefit from, and contribute to, an environment that fosters campus-wide, multi-departmental collaborative research projects.

Faculty have access to facilities that include a state-of-the-art animal facility, biological microscopy centers, high-performance computing clusters, and the Pittsburgh Supercomputing Center. Carnegie Mellon is developing extensive biological experimental automation suites and candidates are encouraged to describe how their experimental design may benefit from this resource. Appointments across multiple departments, which are a strongly supported part of the culture at Carnegie Mellon, are possible when appropriate. Carnegie Mellon offers highly competitive salaries and start-up packages in an attractive urban environment.

Qualifications

A Ph.D. degree along with postdoctoral research experience is required. The tenure-track appointment will be made at the assistant professor level.

Carnegie Mellon University is an equal opportunity employer and is committed to increasing the diversity of its community on a range of intellectual and cultural dimensions. Carnegie Mellon welcomes faculty applicants who will contribute to this diversity through their research, teaching and service, including women, members of minority groups, protected veterans, individuals with disabilities, and
others who would contribute in unique ways. Carnegie Mellon University seeks to meet the needs of
dual-career couples and is a member of the Higher Education Recruitment Consortium (HERC) that
assists with dual-career searches.

Application Instructions

Applications, including a cover letter, a curriculum vitae (including publication list), research and
teaching statements, a diversity statement (outlining how you have contributed to, or plan to contribute
to, diversity, inclusion, and equity), and the contact information for at least three individuals who have
been asked to upload confidential letters of reference should be submitted electronically via this
Interfolio site: https://apply.interfolio.com/92609

Review of applications will start Oct 15th 2021 and continue until positions are filled.

Equal Employment Opportunity Statement

Carnegie Mellon University shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.