

Environment, Ecology, and Energy Program (E³P) at the University of North Carolina at Chapel Hill

Energy and Water Faculty Cluster Hire

The College of Arts and Sciences at The University of North Carolina at Chapel Hill is recruiting five outstanding tenure track faculty at the assistant or associate professor rank to expand interdisciplinary programming in the environment. This recruitment strategy will bring innovative approaches to interdisciplinary research and education. Building on Carolina's existing strengths in the natural and social sciences, this cluster will propel the University of North Carolina at Chapel Hill to become a leader in global environmental research. We are searching for highly talented faculty whose research and teaching will make transformative contributions to environmental sciences and to the development of Carolina's new Environment, Ecology, and Energy Program (E³P). Scholars from the social and natural sciences are encouraged to apply; faculty will hold a tenure-track appointment in an appropriate academic department, with teaching and service shared across E³P and the department. Successful candidates will address critical issues in the environment, particularly in energy and/or water sectors. We envision the cluster will work at the intersections of academic units to build dynamic and exciting programming. We seek scholars in the natural/physical and social sciences in the following areas:

Cities and Critical Infrastructure: Research faculty with expertise in sustainable cities and infrastructure needs for cities of the future are encouraged to apply. Candidates may be interested in planning, building, and governance of energy, transportation, or water infrastructure and how cities adapt to resource quality and availability and demographic and economic change. This cluster hire is motivated by the rapid expansion of urban centers and opportunities for novel approaches in the US and world.

Energy and Energy Analytics: Research faculty with expertise in emergent renewable energy resources or technologies, including modeling and data analytics are encouraged to apply. This candidate may be interested in energy needs, storage, distribution, and economics associated with the growing availability of renewable energy sources. The cluster hire is motivated by rapid growth in the renewable energy market in North Carolina and nationally, and the critical global energy needs of the future.

Environment, Development, and Economics: Research faculty with expertise in public policy and/or applied economics of environment and development or environment and inequality, especially related to energy, environment, or water are encouraged to apply. This cluster hire is motivated by the need to understand how society will adapt to rapidly changing energy technologies, the growing issues of water scarcity, or the interdependence between environmental concerns and development pressures.

Inequality and the Environment: Research faculty with expertise in social and environmental issues related to inequality, vulnerability, and the growing need to address gaps in knowledge and uneven access to resources or services are encouraged to apply. This person could use innovative participatory or community-based models for research and building trust and knowledge. This position is motivated by expanding needs within North Carolina and beyond to tackle problems of inequality, especially related to natural hazards and other forms of environmental change.

Water Resources and Hydrology: Research faculty with expertise on the impacts of climate, pollution, and land use to the hydrologic cycle are encouraged. This person may be interested in groundwater hydrology, water resources and hazards, and/or changing impacts to lakes and rivers. This cluster hire is motivated by growing needs to address water resources of the future, including impacts related to health, coastal hazards, changes in water quality, and predictions of droughts and floods.

Priority will be given to candidates with a demonstrated capacity to stimulate interdisciplinary collaborations through research, teaching, and service.

Candidates must have earned a Ph.D. in a relevant field for the positions listed above. Candidates must be committed to teaching at both the undergraduate and graduate levels, including mentoring graduate students and postdoctoral scholars. Successful candidates are expected to build an active research group, secure competitive external funding, and participate actively in the scientific community at UNC-Chapel Hill. Leadership in undergraduate teaching and involvement of undergraduates in research through the classroom, individual research, or participation in PI-sponsored research is essential. We seek to expand collaborations with the UNC professional schools in Law, Media and Journalism, Information Science, and Gillings School of Global Public Health through this cluster hire.

Apply at <http://unc.peopleadmin.com/postings/143098>. Submit a (1) cover letter describing the position(s) in which you fit best, (2) curriculum vitae, (3) statements of research, teaching, and commitment to diversity (≤4 pages total, statements only not whole application), and (4) the names and contact information for at least four references.

Review of applications will begin October 1, 2018 and positions remain open until filled.

The position will be effective on or after July 1, 2019. For further details contact Jaye Cable, Program Chair, at jecable@email.unc.edu.

Candidates with interest and experience working with students from diverse backgrounds and who are committed to improving access to research for underrepresented groups are encouraged to apply. Diversity and inclusiveness are essential to our campus success and UNC-CH seeks candidates who share our commitment.

The University of North Carolina at Chapel Hill is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or status as a protected veteran.