

Assistant Professor, Global Change Biology
Chancellor's Faculty Excellence Program
Global Environmental Change and Human Well-being Cluster

As part of the Chancellor's Faculty Excellence Program, NC State University seeks applications and nominations for an **Assistant Professor in Global Change Biology**. While our goal is to hire at the Assistant level, applications and nominations for Associate and Full Professors will also be considered in exceptional cases.

This position is part of the **Cluster in Global Environmental Change and Human Well-being**. We seek innovative, interdisciplinary, and transformative scientists whose research will advance NC State's position as one of the premier universities in research on the environment. This cluster builds on a nationally leading, campus-wide strength in ecology and the environment, including partnerships with the USGS Southeast Climate Adaptation Science Center, the North Carolina Museum of Natural Sciences, the Office of Public Science, and the Cluster of Public Science. Colleges participating in this cluster include the College of Agriculture and Life Sciences and the College of Natural Resources.

About the Cluster

The Cluster in Global Environmental Change and Human Well-being focuses on understanding, confronting, and overcoming the challenges that global environmental change will pose for environmental health and human well-being. Our initiative provides leadership to bridge research programs across NC State's colleges and will greatly increase our visibility in the field of global environmental change. In addition to building on biological, social, and physical sciences, our cluster capitalizes on momentum generated by two initiatives at NC State: (1) the USGS Southeast Climate Adaptation Science Center (<https://secasc.ncsu.edu/>), which invests in research and graduate training, and (1) the North Carolina Museum of Natural Sciences (<https://naturalsciences.org/research-collections>), which offers opportunities for collaboration and public outreach on global change.

Three positions have been established to support the growth of the cluster. They are: (1) a Natural Scientist who studies the ecology of global environmental change, (2) a Natural Scientist who bridges quantitative and ecological sciences, and (3) an Interdisciplinary Scientist who bridges Social and Natural Sciences. We are advertising for the second position in the cluster.

About this Position

Many of the greatest challenges to humanity in this century relate to the effects of global environmental changes, including climate change, land-use change, disease, and biodiversity loss. Addressing these challenges requires interdisciplinary research and education on the effects of a changing climate on ecosystem processes and services and feedbacks between ecological and human health at relevant spatial scales. We are especially interested in candidates with strong quantitative skills as well as candidates with demonstrated experience in research across ecology, economics, and policy for the quantification of ecosystem services under a changing climate. The successful candidate will be expected to develop a vigorous, extramurally funded

research program that enhances existing strengths and builds additional capacity in ecology and climate change biology. As part of the Cluster in Global Environmental Change and Human Well-being (<https://facultyclusters.ncsu.edu/clusters/global-environmental-change-and-human-well-being/>), the successful candidate will work with other cluster members to organize workshops and working groups, conduct research, and enhance interdisciplinary research around cluster themes. Teaching responsibilities will include undergraduate and/or graduate courses in disciplinary and interdisciplinary areas related to climate change.

All applicants must possess a PhD in the Natural Sciences. Post-doctoral and teaching experiences are preferred. To apply, please go to jobs.ncsu.edu and search for position number 00000087. Applications should include a cover letter, CV, statements of research and teaching interests, and names and contact information for three references. Review of applications will begin on December 15, 2019.

Questions, confidential inquiries, and nominations can be directed to:

Rebecca Irwin (reirwin@ncsu.edu)

Jordan Kern (jkern@ncsu.edu)

Cluster Search Committee

Rebecca Irwin (Applied Ecology), **cluster lead**

Jordan Kern (Forestry and Environmental Resources), **cluster member**

Mitch Eaton (Applied Ecology and USGS Climate Adaptation Science Center)

Steve Frank (Entomology and Plant Pathology)

Gavin Smith (Landscape Architecture)



Cluster members **Jordan Kern** (left, coupled natural-human scientist) and **Rebecca Irwin** (right, natural scientist)

The Chancellor's Faculty Excellence Program

In 2011, we launched the Chancellor's Faculty Excellence Program (CFEP) to bring together the brightest minds in a range of academic disciplines and give them the support to tackle global issues.

Our faculty clusters will add more than 75 new faculty members in 20 select fields to enhance the breadth and depth of our solution-driven research and innovation. They build on our historic strengths in the sciences, engineering, math, design, textiles, humanities and social sciences, and education. And they take those strengths in bold new directions.

The clusters program is essential to accomplishing the goals of our strategic plan: supporting student success by exposing them to an innovative, interdisciplinary culture; enhancing scholarship and research through investments in faculty and infrastructure; and boosting interdisciplinary research to address society's grand challenges.

The current 20 clusters have been selected on several important criteria:

- Ability to achieve national eminence in proposed topic
- Alignment with university strategic priorities
- Demonstration of real interdisciplinarity
- Potential to build on an existing university strength (or strength of the existing assets)
- Opportunity for faculty to engage in both research and teaching of proposed topic
- Ability to attract funding
- Commitment to share resources and physical infrastructure
- Inclusion of multiple colleges
- Demonstration of a balanced hiring plan with clear leadership
- Potential to attract diverse faculty

The Chancellor's Faculty Excellence Program is managed through the Office of the Provost. Using a faculty initiated proposal process, twelve clusters were announced in February 2012 and eight in April 2015.

- Bioinformatics
- Carbon Electronics
- Data-driven Science
- Digital Transformation of Education
- Emerging Plant Disease and Global Food Security
- Environmental Health Science
- Forensic Sciences
- Genetic Engineering and Society
- Geospatial Analytics
- Global Environmental Change and Human Well-being
- Global Water, Sanitation, and Hygiene
- High-dimensional Integration of Biological Systems
- Leadership in Public Science
- Microbiomes and Complex Microbial Communities
- Modeling the Living Embryo
- Precision Medicine
- Sustainable Energy Systems and Policy
- Synthetic and Systems Biology
- Translational Regenerative Medicine
- Visual Narrative

To date, 80 new faculty have been hired via the Chancellor's Faculty Excellence Program. In addition to bringing outstanding new faculty to campus and moving NC State toward national eminence, the Chancellor's Faculty Excellence Program has seeded and nurtured an expanding culture of interdisciplinarity on campus. We invite you to explore more information about the Chancellor's Faculty Excellence Program and this cluster at <https://facultyclusters.ncsu.edu>.

About NC State University

NC State University began as a land-grant institution grounded in agriculture and engineering. Today, we're a leading public research university that excels across disciplines.

NC State is a powerhouse in science, technology, engineering and math. We lead in agriculture, education, textiles, business and natural resources. We're at the forefront of teaching and research in design, the humanities and the social sciences. And we're home to one of the planet's best colleges of veterinary medicine.

Our more than 36,000 undergraduate and graduate students learn by doing. They pursue research and start new companies. They forge connections with top employers and serve local and global communities. And they enjoy an outstanding return on investment.



Each year, NC State adds \$6.5 billion to the statewide economy, equivalent to creating more than 90,000 new jobs. That represents significant return on investment for the citizens of North Carolina in the form of research advances, innovative technologies, successful companies, skilled graduates and new jobs waiting for them.

Our 9,000 faculty and staff are world leaders in their fields, bridging the divides between academic disciplines and training high-caliber students to meet tomorrow's challenges. Together, they forge powerful partnerships with government, industry, nonprofits and academia to remake our world for the better.

NC State is leading efforts to curb nuclear proliferation, develop a smart electric grid, create self-powered health monitors, help farmers confront climate change and build a new American manufacturing sector. Our award-winning Centennial Campus is home to more than 70 public and private partners — as well as the innovative Hunt Library, which Time magazine has dubbed “the library of the future.”

Raleigh and the Community

It all happens in one of the best cities in America. A top spot for job-seekers and tech professionals, Raleigh is nationally recognized as a leading urban center:

- › No. 2 easiest city to find a job (Forbes, 2015)
- › No. 2 hot spot for tech jobs (Forbes, 2016)
- › No. 3 best city for young professionals (Forbes, 2016)
- › No. 13 best place to live (U.S. News & World Report)
- › Best big city in the Southeast (Time, 2016)
- › Selected as a Google Fiber expansion city

With Durham and Chapel Hill, Raleigh anchors the Research Triangle, a national hotspot for high-tech enterprise. The top companies in the region — including IBM, Cisco Systems, SAS Institute, Biogen Idec and GlaxoSmithKline — are among the country's best employers. They also lead the way in hiring new NC State graduates.

More than 125 years after its creation, NC State continues to make its founding purpose a reality. Every day, our career-ready graduates and world-leading faculty make the fruits of learning and discovery available to people across the state, throughout the nation and around the world.



For More Information:

NC State University at www.ncsu.edu/

NC State: Think and Do at www.ncsu.edu/think-and-do/

NC State's Strategic Plan at <https://strategicplan.ncsu.edu/pathway-to-the-future/>

NC State's Commitment to Diversity at www.ncsu.edu/diversity/

NC State University is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran. Individuals with disabilities requiring disability-related accommodations in the application and interview process, please call 919.515.3148. We welcome the opportunity to work with candidates to identify suitable employment opportunities for spouses or partners.