



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

DEPARTMENT OF BIOLOGY
COKER HALL
CAMPUS BOX 3280
CHAPEL HILL, NC 27599-3280

T 919.962.2077
F 919.962.1625
biology.unc.edu

The Department of Biology at UNC Chapel Hill (<https://bio.unc.edu/>) is searching for two tenure track Assistant Professors using genomics-informed methods to study critical questions in Plant and Microbial Biology.

Host-Microbe, Microbe-Microbe Interactions. Candidates focus on molecular mechanisms that mediate pathogenicity, symbiosis, microbial community assembly and dynamics, engineering microbiomes with useful phenotypes, and/or host responses to infection/colonization. We seek candidates who study interactions of microbes with non-mammalian eukaryotic organisms (particularly plants), and/or with each other in soil, water, and other environments. Candidates work across scales from subcellular to population and evolutionary levels, using transdisciplinary approaches including genetics/genomics, microbiology, molecular/cellular biology, biochemistry, and/or microbiome analysis. This research has relevance to sustainable agriculture, environmental remediation and/or public health.

Plant Signal Networks: Candidates focus on deciphering how key properties of plants emerge from the integration of signaling networks controlling growth, development, responses to biotic or abiotic factors, or combinations of these. Candidates would integrate experimental approaches including genomics, genetics, cell biology, biochemistry, and whole plant physiology, using model and/or crop systems.

All candidates must have earned a Ph.D. or equivalent degree in Biology or related field, have post-doctoral research experience, and be committed to teaching at the undergraduate and graduate levels. Successful candidates are expected to build an active research group, secure competitive external funding, and participate actively in the scientific community at UNC-CH.

The University of North Carolina at Chapel Hill is a vibrant center of scientific discovery and innovation, with a commitment to collaboration. Our large research base spans many areas of biology and supports several outstanding graduate programs. The Department of Biology consists of over 50 faculty engaged in basic and interdisciplinary research, within the department and between other departments and schools at UNC.

Successful candidates will have opportunities for synergy with other units at UNC such as the curriculum in Genetics and Molecular Biology, the Curriculum in Bioinformatics and Computational Biology, the Environment, Ecology, and Energy Program, the Departments of Geography, Earth Marine and Environmental Sciences, and Applied Physical Sciences, the NC Botanical Garden and Herbarium, the School of Data Science, and the Institute of Convergent Sciences.

UNC faculty, postdocs and graduate students routinely interact with colleagues at nearby Duke and North Carolina State Universities, and institutions in Research Triangle Park. The quality of life in North Carolina's Triangle area is consistently rated among the highest in the nation.

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.

To apply visit <https://unc.peopleadmin.com/postings/265990>. Submit a cover letter, curriculum vitae, a research statement (≤ 3 pages), a teaching and mentoring statement (≤ 1 pages) and 3 representative publications. The cover letter should state whether the applicant would like to be considered for Host-Microbe Interactions or the Plant Signaling position. In addition, please provide the names and contact information for four references in the cover letter. Review of applications will begin October 20, 2023. The position will be effective on or after July 1, 2024. For further details contact biolsearch@unc.edu.