

Postdoctoral Research Scholar

Posting Details

Position Information

Posting Number PG191586PD

Position Number 00111723

Position Type Post Doc

FLSA

Departmental Information

Department ID 150401 - Forestry & Environmental Resources Academic Research

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Job City & State Raleigh, North Carolina

Position Information

Position Overview

Essential Job Duties

The Department of Forestry and Environmental Resources has a wide variety of strengths in forestry and natural resources management, policy and economics, environmental science and technology, wildlife and conservation biology, tree improvement, silviculture, forest biotechnology, and international forestry. The Department has over 90 full time faculty and staff, and more than 750 undergraduate and 150 graduate students. Faculty, staff, and students work together with business, industry, government, community groups, and non-government organizations to address a wide range of challenges facing our state and the world. Partnerships include Camcore, the Forest Productivity Cooperative (FPC), the Southern Forest Resource Assessment Consortium (SOFAC), and the Tree Improvement Program (TIP). These partnerships facilitate research and discovery, teaching and learning, and outreach and service. Additional information about the department can be found at <http://cnr.ncsu.edu/fer>.

The College of Natural Resources (CNR) at North Carolina State University is a world leader in the sustainable use of natural resources. The college's comprehensive approach to teaching, research, and service encompass the many and varied ways in which people's physical, economic, and social needs are met through the wise use of natural resources.

Primary purpose of the position:

Designing and conducting experiments in the areas of

Innovations in delivery of CRISPR components to tree cells,

Innovations in regeneration technologies in tree tissue culture,

Molecular analysis of edited samples,

Phenotypic characterization of trees with improved traits, including productivity, adaptation, wood quality, and resilience.

Conducting independent and collaborative studies, analyze and interpret data, and communicate results through reports, presentations, and publications in peer-reviewed scientific journals.

Exploring fundamental questions in genome editing while contributing to practical outcomes—developing technologies that accelerate the improvement of traits of interest in forest trees.

This role is ideally suited for curious and motivated scientists with experience in plant research, who thrive on problem-solving, experimentation, and contributing to both basic and applied advances in plant biotechnology.

Other Work/Responsibilities

Additional duties of the Postdoc may include:

Coordinate and conduct multiple, concurrent assignments, including the development of independent research objectives.

Assist in training and mentoring of undergraduate and graduate students working in the Forest Biotechnology Laboratory, including supervision of research projects as well as oversight of routine laboratory tasks.

Travel to attend meetings with professional colleagues and present results, as well as meetings with stakeholders to learn their perspectives and needs.

Laboratory and greenhouse maintenance and cleanup, organize and participate in laboratory progress meetings.

Perform additional duties as assigned by the supervisor.

Wolfpack Perks and Benefits

As a Pack member, you belong here, and can enjoy exclusive perks designed to enhance your personal and professional well-being. As you consider this opportunity, we encourage you to review our Employee Value Proposition and learn more about what makes NC State the best place to learn and work for everyone.

What we offer:

Medical, Dental, Vision, Retirement and Leave

Faculty and Staff Assistance Program

Enhance your career with LEAD courses

Attend non-revenue generating sporting events for free.

Attain Work-life balance with our Childcare benefits, Wellness & Recreation Membership, and Wellness Programs that aim to build a thriving wolfpack community.

Disclaimer: Perks and Benefit eligibility is based on Part-Time or Full-Time Employment status. Eligibility and Employer Sponsored Plans can be found within each of the links offered.

Requirements and Preferences

Work Schedule Typically Monday through Friday 8 AM to 5 PM.

Department Required Skills

1. Ability to develop, design, or execute fundamental research activities for single or multiple research project(s),
2. Ability to participate in formulating research methods and suggesting options for improving quality and recommending solutions.
3. Ability to manage day-to-day lab operations.
4. Ability to communicate effectively both orally and in writing.

Preferred Years Experience, Skills, Training, Education

Ability to problem solve and apply creative solutions to various problems that may arise.

Ability to self-motivate to work independently and also as a part of a team on multiple research projects and teams simultaneously.

Required License or Certification

N/A

Valid NC Driver's License required? No

Commercial Driver's License Required? No

Recruitment

Recruitment Details

Anticipated Hiring Range \$58,656

If you anticipate multiple hires from this search, please indicate how many 3

Recruitment Dates

Job Open Date 11/20/2025

Applicant Information

Quick Link <https://jobs.ncsu.edu/postings/225112>

EEO

NC State University is an equal opportunity employer. All qualified applicants will receive equal opportunities for employment without regard to age, color, disability, gender identity, genetic information, national origin, race, religion, sex (including pregnancy), sexual orientation, and veteran status. The University encourages all qualified applicants, including protected veterans and individuals with disabilities, to apply. Individuals with disabilities requiring disability-related accommodations in the application and interview process are welcome to contact 919-513-0574 to speak with a representative of the Office of Equal Opportunity.

If you have general questions about the application process, you may contact Human Resources at (919) 515-2135 or workatncstate@ncsu.edu.

Final candidates are subject to criminal & sex offender background checks. Some vacancies also require credit or motor vehicle checks. Degree(s) must be obtained prior to start date in order to meet qualifications and receive credit.

NC State University participates in E-Verify. Federal law requires all employers to verify the identity and employment eligibility of all persons hired to work in the United States.

Supplemental Questions

Required fields are indicated with an asterisk (*).

* How did you learn of this opportunity?

NCSU website

Craigslist

Indeed.com

Carolina Job Finder/Employment Guide

NC Works

Dress for Success

Technical/Trade School Program

Job Fair (Identify Job Fair in question #2 below)

Direct Contact from NSCU Representative (identify person in question #2 below)

Other

Monster.com

Other online job board

NCSU employee referral

Social Media (LinkedIn, Twitter, Facebook, Ohter)

If you learned about this vacancy from "other source" or "other website", please provide the source.

(Open Ended Question)

* According to our university's regulations, a postdoctoral scholar needs to have successfully completed their terminal degree no more than 5 years from the start date of their appointment. Given this, please provide the date (MM/DD/YYYY) your terminal degree has been or will be confirmed.

(Open Ended Question)

Applicant Documents

Required Documents

Cover Letter

Curriculum Vitae

Contact Information for References

Optional Documents