Post Doc Research Associate
North Carolina A & T State University

Job Title	Post Doc Research Associate
Department	JSNN Nanomolecular Scale Modeling
Institution	North Carolina A & T State University Greensboro, North Carolina
Date Posted	Dec. 24, 2020
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Biology - General
Apply Online Here	https://jobs.ncat.edu/postings/21557
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Job Description

Primary Purpose of Position
Conduct research according to the needs of the awarded grant (NSF#2027738).
The responsibilities of the successful applicant include conducting a vigorous research related to the NSF funded project in Nano and Synthetic Biology lab at JSNN with focus on DNA based data storage.

Primary Function of Organizational Unit
The Joint School of Nanoscience and Nanoengineering (JSNN) is an academic collaboration between North Carolina Agricultural and Technical State University (NC A&T) and the University of North Carolina Greensboro (UNC Greensboro). Founded in 2009 to serve as a catalyst for innovation, JSNN builds on the strengths of these affiliated universities to offer innovative, cross-disciplinary graduate programs in the emerging areas of nanoscience and nanoengineering. JSNN's faculty, research staff and students are equipped to further the mission of JSNN which is, "to use fundamental and applied knowledge in nanotechnology to produce solutions to society's most critical problems through interdisciplinary research, education, and entrepreneurship, and in doing so, will serve the region,

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nation, and world."

We are looking for candidates with research interests in the fields of semiconductors and computational and synthetic biology.

Applicants must have demonstrated research experience in the molecular biology of DNA/RNA, big data, mathematical modeling of molecular or cellular processes, micro and nanofluidics, DNA damage/edit/repair, coding, and algorithm development for biological, biophysical, biochemical, or bioengineering sciences. We are particularly looking for candidates with research expertise in CRISPR technology (especially CRISPR activation and inhibition). Applicants must be dedicated to interdisciplinary research and should be sensitive to issues of an HBCU/MSI environment.

Preferred Years Experience, Skills, Training, Education
• Strong publication record
• Ability to communicate effectively with students and faculty from various backgrounds
• Evidence of commitment to excellence in research
• Skills needed: Coding, CRISPR technology, Microfluidics, and Molecular and synthetic biology

Required License or Certification
• Applicants must have a PhD and cannot have received their PhD more than five years prior to the date of application.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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