

Open Postdoc Position

The **Yingling Group** in the Department of Materials Science and Engineering at NC State University seeks a Postdoctoral Researcher in Materials Informatics for Phosphorus Sustainability. The successful candidate will have a background in data science, materials engineering, and will join the Convergence Informatics team at the NSF Science and Technologies for Phosphorus Sustainability (STEPS) Center. The goal is to design a new heterogeneous data workflow that integrates STEPS data. The aim is development of novel and effective materials, technologies, and strategies for phosphorus capture, decomposition, and modification.

The researcher collaborates with multiple research groups. STEPS seeks to discover new science and develop technologies that increases recycled phosphorus and reduces society's dependence on mined phosphorus. STEPS leads to resilience of food systems, improves the environment, and partners with NC State, Arizona State University, Clemson University, University of Florida, RTI International, AppState, Marquette University, University of Illinois, NC A&T State University, and UNC-Greensboro.

Requirements

- A Ph.D. in Materials Science, Computer Science, or related discipline.
- Strong expertise in data science, applicable to materials research.
- Creativity and a proactive approach to problem-solving.
- Excellent communication skills and able to work in a diverse team.

About North Carolina State University

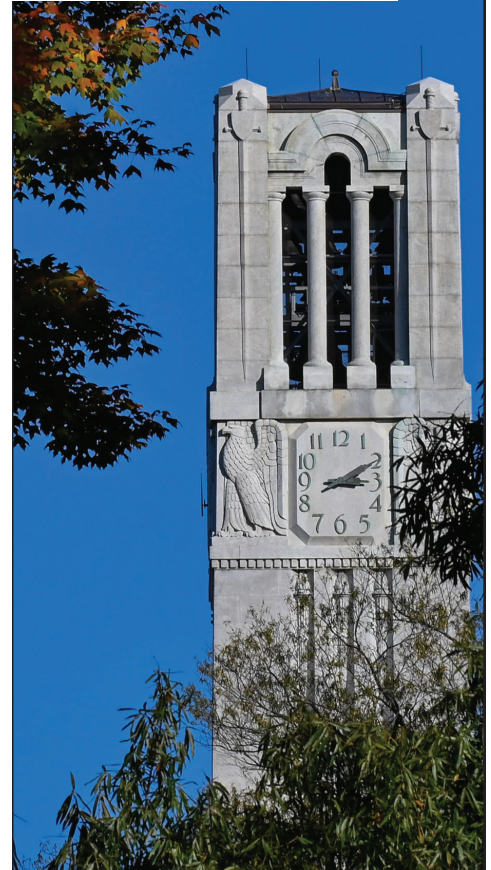
Located in Raleigh, NC State is the largest university in NC, with more than 34,000 students and 8,000 faculty and staff. National rankings rate Raleigh among the 5 best places in the country to live and work, with a highly educated workforce, moderate weather, reasonable cost of living, and a welcoming environment. NC State is one of three major research universities anchoring the Research Triangle, with Duke University in Durham, and UNC in Chapel Hill. The Triangle houses tech companies Red Hat, IBM and SAS, and soon, a Google Cloud Engineering Hub and a \$1B Apple campus. Raleigh boasts over 100 miles of greenway, a vibrant music and arts community, and is centrally located to beaches and mountains.

To apply please send a cover letter indicating interest and future career goals, CV and contact information for three references to Prof. Yaroslava Yingling at yara_yingling@ncsu.edu with "Postdoctoral Researcher Application" in the subject line.



**NC STATE
UNIVERSITY**

Materials Science
and Engineering



NC State University promotes equal opportunity and prohibits discrimination and harassment based upon one's age, color, disability, gender identity, genetic information, national origin, race, religion, sex (including pregnancy), sexual orientation and veteran status.

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