

Postdoctoral Research Associate | NUANCE Center, Keck-II Facility
Northwestern University – Evanston, Illinois

A Postdoctoral Research Associate position is immediately available at Northwestern University in the area of synthesis, characterization, and application of novel nanomaterials.

Duties of the Position: The ideal candidate will conduct the independent research work; will have opportunities to collaborate with many excellent research groups in the department of Material Science and Engineering, Chemistry, and other fields.

The ideal candidate will endeavor to develop informed and well-trained user base in advanced surface science analysis and characterization instruments; will participate in user training, hands-on technical assistance, development of professional and short-courses, and overall facility development to increase the visibility and utilization of the XPS, ToF-SIMS, and related instruments to enhance scholarly activities.

The candidate will conduct their work in the Northwestern University Atomic and Nanoscale Characterization Experimental ([NUANCE](#)) Center, lead member of the Midwest [node](#) of NSF's National Nanotechnology Coordinated Infrastructure [network](#); NUANCE Center houses the nation's most comprehensive sample preparation and atomic-nanoscale characterization, fabrication, and analysis capabilities for soft, hard, and hybrid structures.

Requirements - The preferred candidate will:

- have obtained a PhD in Materials, Chemistry, or related fields within five years,
- demonstrate strong motivation, ambition and passion for academic research, teaching, grant writing and curriculum development,
- have strong experimental skill, and provide an exemplary publication record,
- Have strong communication and writing skills,
- have a strong background in surface analysis and demonstrate experience in various surface analysis methods.

The position is available immediately for two years with the possibility for extension or promotion upon satisfactory performance and mutual consent.

Candidates will send CV, 3 references, and a brief research statement (as single PDF) to:
xchen@northwestern.edu

Northwestern requires all staff and faculty to be vaccinated against COVID-19, subject to limited exceptions. For more information, please visit our [COVID-19 and Campus Updates website](#).

The Northwestern campus sits on the traditional homelands of the people of the Council of Three Fires, the Ojibwe, Potawatomi, and Odawa as well as the Menominee, Miami, and Ho-Chunk nations. We acknowledge and honor the original people of the land upon which Northwestern University stands, and the Native people who remain on this land today.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply.