

## Postdoctoral Research Associate | NUANCE Center, Keck-II Facility Northwestern University

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 also 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 most comprehensive sample preparation and atomic-nanoscale characterization capabilities for soft, hard and hybrid structures.

### Requirements - The preferred candidate will:

- have obtained a doctoral degree in MSE or 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.
- Provide an exemplary publication record.
- Have strong communication and writing skill.
- have a strong background in surface analysis and be very familiar with 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 a single PDF (CV and brief research statement) to:  
[xchen@northwestern.edu](mailto:xchen@northwestern.edu)