

Postdoctoral Researcher Position at Argonne National Laboratory

Requisition Number: 405554

Location: Lemont, IL

Functional Area: Research and Development

Division: NST-Nanoscience and Technology

Employment Category: Temporary 6 Months or Greater

Education Required: Doctorate Degree

Level (Grade): 700

Shift: 8:30 - 5:00

Position Description

The Nanoscience and Technology Division/Center for Nanoscale Materials (CNM) at Argonne National Laboratory has an available postdoctoral position in the Nanophotonics and amp; Biofunctional Structures (nPBS) group. The position is funded for one year and renewable for up to two years (subject to available funding and performance evaluation). The prospective researcher will carry out research in investigating the quantum interaction between the magnetic and mechanical degree of freedom. The selected candidate will collaborate with a group of scientists and postdoctoral researchers at CNM to design, fabricate and characterize integrated magnonic-phononic devices, aiming at realizing quantum entanglement between magnons and phonons. Please contact Dr. Xufeng Zhang (xufeng@anl.gov) if interested or submit the application through <https://www.anl.gov/hr/postdoctoral-applicants>.

Position Requirements

We expect you to have:

- A strong experimental background in device physics in micro/nanomechanics, spintronics, superconducting circuits or other related areas is preferred.
- Hands-on experience in cryogenic quantum measurements are highly preferred.
- Additional expertise in numerical simulation, nanofabrication, and instrumentation is beneficial.
- Strong programming and data analysis skills are a plus.

As an equal employment opportunity and affirmative action employer, Argonne National Laboratory is committed to a diverse and inclusive workplace that fosters collaborative scientific discovery and innovation. In support of this commitment, Argonne encourages minorities, women, veterans and individuals with disabilities to apply for employment. Argonne considers all qualified applicants for employment without regard to age, ancestry, citizenship status, color, disability, gender, gender identity, genetic information, marital status, national origin, pregnancy, race, religion, sexual orientation, veteran status or any other characteristic protected by law.