

Postdoctoral Position
Experimental High-Pressure Studies of Magnetic Topological Systems
Department of Physics, University of Alabama at Birmingham (UAB)
Birmingham, Alabama, USA
Contact: Dr. Wenli Bi (wbi@uab.edu)

The Department of Physics at the University of Alabama at Birmingham has an immediate opening for a postdoctoral scholar working on emergent quantum phenomena in novel magnetic topological materials using high-pressure transport, synchrotron spectroscopy, scattering, and diffraction techniques. We are seeking strongly motivated individuals in experimental condensed matter/material physics to get involved in high-pressure research in diamond anvil cell. Prior experience in synchrotron x-ray diffraction or spectroscopic techniques is preferred. The postdoctoral scholar will have access to materials growth and characterization facilities in the well-established High Pressure Research group (Dr. Wenli Bi and Dr. Yogesh Vohra) at UAB and at the Advanced Photon Source (APS), Argonne National Laboratory (ANL). The scholar is expected to visit APS, ANL for up to 3 months/year to develop new techniques and conduct experiments. The extended visit at the APS will be primarily hosted by Dr. Esen Ercan Alp at Sector 3. A Ph.D. in physics or materials science is desirable for this position.

The anticipated salary for this position is \$53,000/year. The postdoc program offers fringe benefits including health insurance. The position will have an initial appointment for one-year and can be renewed up to 3 years depending on satisfactory performance. Interested applicants should send a cover letter, a curriculum vitae, and the names of three references to Dr. Wenli Bi at wbi@uab.edu. Review of application will start immediately and continue until the position is filled.

About the University:

The University of Alabama at Birmingham (UAB) is a research university and academic health center that discovers, teaches, and applies knowledge for the intellectual, cultural, social, and economic benefit of Birmingham, the state, and beyond. UAB is internationally renowned for its intensely collaborative culture that has — for more than five decades — produced breakthroughs in education, health care, research, and service. UAB was ranked #1 in the United States, and in the top 10 worldwide, in the Times Higher Education World University Rankings, 2018 Young University Rankings.

Spanning more than 100 city blocks, UAB is the state of Alabama's largest single employer with some 25,000 employees and has an annual, state-wide economic impact exceeding \$7.15 billion. U.S. News & World Report's 2020 "America's Best Graduate Schools" ranks 14 UAB graduate programs among the nation's top 25 and 10 UAB specialties were ranked among the nation's top 50 in the magazine's 2018-2019 Best Hospitals report. UAB research grants and awards are at a record high, exceeding \$527 million in FY18, including \$320 million in NIH funding for FY18. UAB ranks 31st among all universities in federal research funding and 15th among public universities. UAB's NIH funding continues to grow among peer institutions in the Southeast and beyond, with the university ranking 20th among all universities in NIH funding and eighth among public universities. The UAB School of Medicine is ranked 21st among medical schools in NIH funding and eighth among public medical schools.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of, race, national origin, age, genetic or family medical history, gender, faith, gender identity, and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans.

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