

Position Profile

Research Associate

The Electron Microbeam facility in the Jackson School of Geosciences is seeking a highly qualified researcher to operate Electron Microbeam (EPMA) JEOL JXA-8200, Environmental, Scanning Electron Microprobe (ESEM) Phillips/FEI XL30 with Electron Backscattered, Diffraction Detector (EBSD), SEM JEOL JSM-6490LV, and X-Ray Diffractometer (XRD), Bruker D8 Advance. The vision of the facility is to develop leading capabilities of electron microbeam instrumentation to allow researchers in the Jackson School of Geosciences, The University of Texas at Austin, and those in the south-central region of the United States to conduct a broad range of high-impact, discovery class science.

Candidates must have a PhD degree in chemistry, materials science, geosciences or related areas, and have a strong background in electron microbeam methods. Successful applicants must be reliable, quick-learning, highly organized, self-motivated, detail-oriented, and possess excellent communication and interpersonal skills. The ability to work independently and in a team environment is important. Applicants must demonstrate a commitment to delivering excellence in a timely manner and work well under pressure.

Familiarity with geological applications of electron microscopy, XRD, and/or EBSD is preferred. Applicants must demonstrate superior oral and written communication skills and will be expected to raise 25% of their salary support through externally funded projects. Equivalent combination of relevant education and experience may be substituted as appropriate.

Responsibilities include: maintaining all existing microbeam instrumentation, training and assisting users, developing and improving analytical protocols, teaching short courses and workshops, planning lab improvements, managing the operating account for the lab, and conducting independent research.

Applicants should submit a letter of application, including a statement of relevant equipment experience and research interests; current curriculum vitae; and contact information for at least three references. Submit electronic copies of these materials online at <http://links.utexas.edu/blhrgn>. For questions related to the search, please contact dgs@jsg.utexas.edu. Review of applications will continue until the position is filled.

About Austin

At the heart of the Austin community, the university offers a home where the creative, artistic minds of the world live side by side with the scientific and technological innovators of tomorrow.

Austin is regarded as an open-minded, friendly and innovative city. The city has been consistently rated a national creative center that draws talented people from across the world to its high quality of life, abundant resources, lively entertainment and active lifestyle.

About the Jackson School of Geosciences

The Jackson School is both old and new. It traces its origins to a Department of Geology founded in 1888, but became a separate unit at the level of a college on September 1, 2005.

The Jackson School is home to more than 600 undergraduate and graduate students, averages about \$45 million in external research grants and contracts annually, and has the world's largest endowment for the geosciences. The department's scholarly, research, and teaching activities capitalize on additional strengths within the Jackson School as well as the university's College of Engineering and College of Natural Sciences. Significant resources are available to support the mission of the department.

About The University of Texas at Austin

Founded in 1883, the university has grown from a single building, eight teachers, two departments and 221 students to a 350-acre main campus with 17 colleges and schools, about 24,000 faculty and staff, and more than 50,000 students.

The university's reach goes far beyond the borders of the main campus with satellite campuses and research centers across Texas, including the J.J. Pickle Research Campus, which houses the Jackson School's Bureau of Economic Geology and Institute for Geophysics.

UT-Austin is a leading provider of education and research with a depth and diversity of resources unmatched by most other public universities. More than 8,700 bachelor's degrees are awarded annually in more than 170 fields of study and 100 majors.

As an enduring symbol of the spirit of Texas—big, ambitious and bold—the university drives economic and social progress in Texas and serves our nation as a leading center of knowledge and creativity.

What starts here changes the world.

The University of Texas at Austin is an Equal Opportunity Employer with a commitment to diversity at all levels.

Jackson School of Geosciences

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Department of Geological Sciences

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TEXAS Geosciences

The University of Texas at Austin
Jackson School of Geosciences
Department of Geological Sciences