



THE UNIVERSITY OF ARIZONA
COLLEGE OF SCIENCE

LUNAR & PLANETARY LABORATORY

FACULTY POSITION – ANALYTICAL COSMOCHEMISTRY

The Department of Planetary Sciences/Lunar and Planetary Laboratory (LPL) at the University of Arizona (UA) seeks to fill a tenure-track faculty position in the area of Analytical Cosmochemistry. This position is focused on applicants interested in developing a research program in spatially resolved isotopic analysis and overseeing a NanoSIMS laboratory. The incoming faculty member will be expected to lead proposal efforts to acquire a state-of-the-art NanoSIMS instrument, building on substantial University support in terms of existing laboratory space and matching funds. The NanoSIMS instrument will be housed in the Kuiper Imaging and Characterization Facility (<http://imagingcores.arizona.edu/kuiper>). The incoming faculty member is expected to work within this collaborative environment by consulting with other faculty, laboratory managers, technical coordinators, students, and other facility users.

Once the laboratory is established, the faculty member is expected to establish sample-preparation procedures; develop and implement analytical protocols; evaluate laboratory capabilities; consult with instrument users; and report results at scientific conferences and peer-reviewed literature. The candidate will ensure laboratory performance by establishing quality standards; develop operations, quality, and troubleshooting procedures; ensure staff compliance; and certify instrument performance. The candidate is expected to maintain professional and technical knowledge by attending educational workshops/conferences; reviewing professional publications; establishing personal networks; and participating in professional societies. As part of the educational mission of UA, the faculty member is expected to prepare students, postdocs, and staff scientists by teaching analytical theory and methodology. The candidate is expected to incorporate analytical results into broader models of solar system formation and evolution.

Present departmental faculty and research staff are engaged in many aspects of planetary science, including planetary surfaces, interiors, atmospheres, ionospheres, magnetospheres, the Sun and heliosphere, exoplanetary systems, comparative planetary studies, origins of planetary systems, and orbital dynamics. They employ tools such as theoretical studies and data analysis, laboratory and field investigations, telescopic observations, remote sensing, and spacecraft development, operations, and instrumentation. The departmental faculty, research staff, and graduate student body are drawn from the diverse backgrounds of planetary science, astronomy, physics, chemistry, geology, and engineering. More information about this position is available at <https://lpl.arizona.edu/faculty-jobs>. Additional information concerning the Department/Laboratory is available at <https://lpl.arizona.edu>. Planetary Science supports Inclusive Excellence, the University diversity strategic initiative designed to engage every member of the university community in diversity and inclusiveness. Candidates are encouraged to support the department's diversity and inclusiveness efforts and to be especially supportive of underrepresented communities including women and minorities.

The successful candidate will be expected to establish and maintain a distinguished research program, including extramural funding, and to supervise graduate students. The faculty member will also teach courses at the graduate and undergraduate levels, and contribute to mentoring students, including those from underrepresented backgrounds. The faculty member will also participate in outreach and contribute to departmental, college, and university service. In these and other ways, the faculty member will help to develop innovative approaches to enhancing student engagement, increasing diversity, and expanding collaborations with community and business partners.

At the University of Arizona, we value our inclusive climate because we know that diversity in experiences and perspectives is vital to advancing innovation, critical thinking, solving complex problems, and creating an inclusive academic community. We translate these values into action by seeking individuals who have experience and expertise working with diverse students, colleagues and constituencies. We encourage minorities, women, veterans, and individuals with disabilities to apply. As an Employer of National Service, we also encourage alumni of AmeriCorps, Peace Corps, and other national service programs.

The initial appointment may be at the level of Assistant Professor, Associate Professor, or Full Professor, depending on qualifications. To be considered for an appointment above the rank of Assistant Professor, candidates must have an internationally recognized record of distinguished scientific achievement, leadership, and teaching ability in Cosmochemistry. To be considered for appointment at the rank of Assistant Professor, candidates must demonstrate clear promise of such achievement.

Review of applications will begin on January 2, and will continue until the position is filled. The starting date for the appointment is anticipated to be August 2018. Applicants must complete the online application and upload required documents (including a cover letter, reference details, a CV with publication list, statement of research interests, and statement of teaching philosophy) at uacareers.com (search for **Posting #F21197**). Applicants must provide names and contact information for three letter writers as part of submitted online application; letters should be received (uploaded by writer) before initial review of applications. For further information, contact:

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