



Post-doctoral Researcher Position in High-Pressure High-Temperature Experimental Geochemistry and Cosmochemistry

SCHOOL OF MOLECULAR SCIENCES AND SCHOOL OF EARTH AND SPACE EXPLORATION,
ARIZONA STATE UNIVERSITY

The [CosmoGeo Lab](#) at the School of Molecular Sciences and School of Earth and Space Exploration at the Arizona State University (ASU), is seeking candidates for a post-doctoral researcher position. The postdoctoral scholar will conduct scientific research in the field of High Pressure-High Temperature (HP-HT) Experimental Geochemistry and Cosmochemistry. The broad themes under investigation include: (i) the formation and evolution of planetesimals and planets in the early solar system, (ii) mass-dependent isotope fractionations for tracing igneous and cosmochemical processes, and (iii) interior-surface exchange in planetary and exoplanetary systems. The CosmoGeo Lab is affiliated with the newly established state-of-the-art Facility for Open Research in a Compressed Environment ([FORCE](#)), which houses a 6000-ton Kawai type Multi-Anvil Press, a 1500-ton DIA type Multi-Anvil Press, and an Internally Heated Pressure Vessel (IHPV). Additionally, there are several other HP-HT experimental devices available at ASU, including: (1) a 1000 ton and a 300-ton multi-anvil press, (2) three end-loaded piston cylinders and two non-end loaded piston cylinders, and (3) a Deltech Gas mixing furnace along with several other high-temperature furnaces. ASU also provides access to a range of analytical facilities, including SIMS, NanoSIMS, MC-ICP-MS, laser ablation, EPMA, SEM, TEM, and EA-IRMS.

This position will come with a competitive salary. While applicants from various backgrounds will be considered, prior experience with HP-HT experimental devices such as multi-anvils, piston cylinders, and/or IHPV is especially desirable. The position is expected to be for 2 years but will be renewed annually based on performance and the availability of funding. Applications must be received by April 30, 2024 and will be considered on a rolling basis; applications received after this date may be considered if the position is not filled. The start date is flexible, but a Fall 2024 start date is preferred.

Applicants should submit a single PDF document containing a cover letter, a curriculum vitae, a statement of research interest (1-2 pages), which should include prior research experience and technical ability, and the names and contact details of three references to Damanveer Grewal (damanveer.grewal@asu.edu).

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other basis protected by law.

(See <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX/>.)