

Postdoctoral Research Scholar - Isotope Cosmochemistry Arizona State University

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Posted May 17, 2024, set to expire Sep. 16, 2024

Job Title	Postdoctoral Research Scholar - Isotope Cosmochemistry
Department	School of Earth and Space Exploration https://sese.asu.edu/
Institution	Arizona State University Tempe, Arizona
Date Posted	May 17, 2024
Application Deadline	Open until filled
Position Start Date	July 2024
Job Categories	Post-Doc
Academic Field(s)	Planetary Sciences Materials Sciences/Polymer Sciences Geology - Geochemistry Earth Sciences Chemistry - Physical Chemistry - Organic Chemistry - General Astronomy and Astrophysics Sciences - General
Job Website	http://apply.interfolio.com/146483
Apply Online Here	http://apply.interfolio.com/146483
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Job Description	

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The Isotope Cosmochemistry and Geochronology Laboratory in the School of Earth and Space Exploration (SESE) at Arizona State University invites applications for a postdoctoral research scholar in Isotope Cosmochemistry.

Applications are invited for a postdoctoral position in the Isotope Cosmochemistry and Geochronology Laboratory (ICGL) directed by Professor Meenakshi Wadhwa in the School of Earth and Space Exploration at Arizona State University.

The successful candidate will be expected to participate in research projects in the area of isotope cosmochemistry through investigations of meteoritic and planetary materials and their components. Ongoing research projects in the ICGL include understanding the chronology of early solar system events via application of high-resolution extinct chronometers (particularly ^{26}Al - ^{26}Mg and ^{53}Mn - ^{53}Cr), tracing geochemical reservoirs and dynamics in the protoplanetary disk via characterization of non-mass dependent isotopic anomalies (such as ^{50}Ti and ^{54}Cr), and understanding nebular and asteroidal processing through the characterization of mass dependent isotope fractionation of the stable isotopes of a variety of elements.

Analytical facilities in the ICGL include a state-of-the-art multicollector ICPMS, associated clean chemistry laboratory for low-blank sample preparation and an Excimer laser ablation system for in situ isotopic analyses. Access is also available to other analytical facilities at ASU including Cameca IMS-6f and NanoSIMS 50L ion microprobes, quadrupole ICPMS, electron microprobe and SEM.

The initial appointment is for one year with subsequent annual renewal for an additional year contingent upon satisfactory performance, the needs of the university, and availability of resources. The estimated start date is July 22, 2024. This position comes with a competitive salary, funding for travel to relevant conferences, and health benefits coverage.

About the School of Earth and Space Exploration (SESE)

SESE is an interdisciplinary school, bringing together all of Earth and space science at ASU, including astrophysics, cosmology, planetary science, and geology, as well as science education and engineering for exploration. Read more about SESE at <https://sese.asu.edu/>.

About Arizona State University

ASU is a large, comprehensive, research university and for nearly two decades, has transformed into the "[New American University](#)," one dedicated to the simultaneous pursuit of excellence, broad access to quality education, and meaningful societal impact. By our Charter and Design Aspirations, we center

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inclusion and success as values that drive the enterprise; adopt inter- and transdisciplinary approaches to teaching and learning as ways to address society's greatest challenges; and develop innovative partnerships to produce master learners across the lifespan. To learn more about ASU, visit <http://www.asu.edu>.

EEO/AA Policy

Background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. <https://www.asu.edu/aad/manuals/acd/acd401.html>
<http://www.asu.edu/titleIX/> In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf>. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Qualifications

Minimum qualifications:

- A Ph.D. in the physical sciences and experience with mass spectrometry by the appointment start date.

Desired qualifications:

- Prior experience and expertise in area of isotope cosmochemistry.
- Applicant should be within 4 years of receiving PhD.

Application Instructions

To apply, please submit your application at <http://apply.interfolio.com/146483> to include the following:

- ? A cover letter

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- ? Contact information (name, email address and phone number) for three references
- ? A curriculum vitae with a publication list
- ? A statement of past research accomplishments and future research goals (three pages or less)

Deadline for initial review of complete applications will be June 17, 2024. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is closed.

Postdoctoral benefits can be found at: <https://cfo.asu.edu/new-employee-orientation>
<https://graduate.asu.edu/postdocs/welcome-postdocs>

A background check is required for employment. Applicants must be eligible to work in the United States.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, 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/>.)

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf>. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact SESE Human Resources
School of Earth and Space Exploration
Arizona State University
Tempe, AZ



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Contact E-mail sesehr@asu.edu