Postdoctoral researcher in isotope geochemistry
(Department of Earth and Atmospheric Sciences, University of Houston)

Starting date: As early as Nov. 2023

Description
The Department of Earth and Atmospheric Sciences at the University of Houston is seeking a postdoctoral researcher who would further develop their skills in the acquisition and interpretation of isotope data and advance their leadership and management experience. The candidate is expected to:

- Apply clean-lab chemical preparation and thermal-ionization mass spectrometry (TIMS) techniques to the measurement of stable and radiogenic isotope ratios across a wide variety of natural and experimental samples and apply geochemical modeling techniques to the processing and interpretation of isotopic data.
- Lead in the development and submission of high-quality research manuscripts and develop competitive grant-writing skills through the submission of grant applications to Federal agencies.
- Engage in the scientific community through the presentation of research results at national and international conferences.
- Assist the PI in mentoring/training of graduate students and in the leadership and management of the TIMS lab.

The postdoctoral researcher will be part of a team led by assistant professor and TIMS lab director Dr. Michael A. Antonelli and supported for a period of up to two years (with possible extensions contingent on additional funds obtained by the PI and/or postdoctoral researcher).

Qualifications
Ph.D. degree, high proficiency in English (written & oral)

Requires advanced knowledge of isotope geochemistry and of thermal ionization mass spectrometry techniques, normally acquired through attainment of a related terminal degree or equivalent formal training in a recognized field of specialization that is directly related to the type of work being performed.

The candidate should (1) have a PhD degree in geochemistry or a closely related discipline, (2) demonstrated excellence in research through publications in scientific journals, (3) have strong analytical skills and a high-level of independence in the laboratory, and (4) have excellent communication, presentation, and interpersonal skills.
Required Attachments by Candidate

Curriculum Vitae

Short (<1 page) cover letter