Solicitation for a Principal Investigator to Lead the Management of an NSF-Funded Organization for Synchrotron-Hosted Analytical Facilities for Earth Sciences

The Geoscience Synchrotron Steering Committee seeks applications for Principal Investigator (PI) of an organization that will respond to the National Science Foundation EAR solicitation for "Community Facility Support: Synchrotron-Based Analytical Capabilities Advancing Earth and Environmental Sciences (EES) Research and Training." The PI will, in coordination with the steering committee, develop a bold and innovative proposal to respond to the NSF solicitation and guide the organization through the review process.

The PI of a successful proposal will have overall management responsibility of the organization whose functions will be to:

- operate beamlines, instrumentation, and techniques for EES users at world-leading facilities that will address priority science questions such as those identified in the 2020 NASEM Report "A Vision for NSF Earth Sciences 2020-2030"
- define scientific directions and develop plans for new capabilities in coordination with the EES community
- create opportunities for individuals and communities historically underrepresented in the Earth and environmental sciences to participate in and engage with synchrotron radiation science.

This new organization should encompass priority activities of the current NSF-supported organizations GSECARS and COMPRES and develop new opportunities to serve the needs of the broader EAR-funded community. The PI will work with the EES community to determine scientific priorities, communicate with facility management and funding agencies, implement governance procedures for the organization, and oversee a robust education and outreach effort to enhance access to synchrotron capabilities and train the next generation of Earth scientist users. Depending upon the organizational structure and division of duties, this position may be full or part time.

Required qualifications: Ph.D. in geoscience or a related field and current affiliation at an NSF-eligible institution. Knowledge of synchrotron-based Earth and environmental science. Demonstrated skills in scientific leadership and administration, and the ability to communicate effectively with a diverse community of stakeholders.

Preferred qualifications: Research expertise in synchrotron-based Earth and environmental science. Experience with operation and management of synchrotron beamlines. Demonstrated commitment to inclusion, diversity, and equity in Earth and environmental science.

Project timeline and application procedure: The proposal to NSF is due on March 4, 2022. If successful, it is anticipated that a five-year cooperative agreement will begin approximately one year after the proposal submission deadline.

To apply for consideration to be PI, submit a letter of application including a vision statement for the new organization, CV, and contact information for four references to duffy@princeton.edu. All qualified applicants will receive consideration without regard to race, religion, national origin, gender, sexual orientation, age, status as a protected veteran, or status as a qualified individual with a disability. Individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity are encouraged to apply.

The search will remain open until the position is filled. Evaluation of applications will commence on August 30, 2021. Inquiries about the position and nominations are encouraged; contact the Selection Committee Chair, Professor Tom Duffy, at duffy@princeton.edu. Additional information about this effort and the Geoscience Steering Committee can be found here (https://gsecars.uchicago.edu/synchrotron-geoscience/).