STFC Ernest Rutherford Fellowships 2022/23

The STFC Ernest Rutherford Fellowship (ERF) scheme provides up to five years of support for early career researchers to pursue their own independent research programme. Subjects can span the remit of STFC’s core science programme including solar and planetary science, and astronomy. Applicants for the ERF require support from a host institution, but each department can only support a limited number of applicants. The School of Earth Sciences at the University of Bristol can offer support for one application to the ERF scheme, and we invite interested candidates to make a pre-application for support by the School.

Potential applicants should contact at least one relevant member of the School (see below) to discuss the possibility of submitting a pre-application. Applicants should then submit:

1) A CV, including a list of publications
2) Draft research proposal (approximately 4 sides of A4)
3) Name and contact information of one person who is prepared to provide a reference

by email to Tim Elliott (tim.elliott@bristol.ac.uk) before 31st July 2022 for full consideration. Note: It is not required that the pre-application materials be in the format of the final submission to STFC.

Details of the eligibility requirements are available on the STFC Ernest Rutherford Fellowship call page. We particularly welcome applications from people from minoritized groups, such as members of the LGBT+ and BAME communities, and/or with non-traditional career paths. STFC specifically encourages application from those seeking to resume their research career after career breaks. Applicants who are not selected to move forward with the ERF will be provided support to apply for other fellowships and opportunities in the School.

Deadline for pre-application: **31st July 2022**
Deadline for final submission to STFC: **13th September 2022**
Start date: Summer 2023 – Spring 2024
More information about the experimental and computational facilities in the School of Earth Sciences and at the University of Bristol can be found [here](#). Members of the School of Earth Sciences whose research overlaps with STFC’s core science programme include, but are not limited to:

**Tim Elliott** (Tim.Elliott@bristol.ac.uk)
Tim Elliott is a cosmochemist who predominantly uses isotope ratios to look at the evolution of silicate planets, the provenance of solar system materials and the timing of planetary accretion. In particular, he is keen at developing novel measurements to provide new constraints on these processes.

**Jessica Irving** (jessica.irving@bristol.ac.uk)
Jessica Irving is a planetary and terrestrial seismologist. She is particularly interested in the interiors of planetary bodies and how combining information from different branches of geoscience can shed light on the structure and evolution of different worlds in our solar system. Jessica is a co-investigator on NASA’s InSight mission to Mars.

**Simon Lock** [personal website] (s.lock@bristol.ac.uk)
Simon Lock studies the formation, structure and evolution of terrestrial and giant planets using a mixture of numerical and analytical methods. He is particularly keen on understanding what makes Earth seemingly unique in the universe.

**Oliver Lord** (Oliver.Lord@bristol.ac.uk)
Oliver Lord is a petrologist who uses experiments to recreate the extreme pressures and temperatures of planetary interiors to understand their composition and geodynamics. He is particularly keen on developing new experimental techniques to study the physical properties of planetary materials.

**Bob Myhill** [personal website] (bob.myhill@bristol.ac.uk)
Bob Myhill is a seismologist, experimental petrologist, and mineral physicist who seeks to understand the physical and chemical processes which govern the evolution of Earth and other planets.

**Ian Parkinson** (ian.Parkinson@bristol.ac.uk)
Ian Parkinson’s research centres around developing techniques to measure isotope systems to high-precision and accuracy by thermal and plasma source mass spectrometry and applying these systems to a variety of geological problems.

**Nick Teanby** (N.Teanby@bristol.ac.uk)
Nick Teanby conducts spectroscopic studies of outer solar system atmospheres.

**James Wookey** (J.Wookey@bristol.ac.uk)
James Wookey is a seismologist who works on the Earth and planets, with a particular interest in the signatures of deep planetary dynamics. He has been working on the NASA InSight mission to Mars, as well as a range of studies in terrestrial environments.