



U.S. DEPARTMENT OF
ENERGY

Office of
Science

Office of Science (SC) and FES DEIA Initiatives

FPA 2022

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FES Program Manager

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SC Commitment to Diversity, Equity, Inclusion, and Accessibility

As a steward of public funding, the Office of Science has a responsibility to ensure that we are serving the public.

SC is deeply committed to:

- ▶ Supporting diverse, equitable, inclusive, and accessible work, research, and funding environments that value mutual respect and personal integrity;
- ▶ promoting people of all backgrounds, including individuals from groups and communities historically underrepresented and minoritized in STEM fields;
- ▶ Advancing scientific discovery by harnessing a diverse range of views, expertise, and experiences to drive scientific and technological innovation.

The FY 2023 new proposal requirements are a reflection of this responsibility and of this commitment.

SC Statement of Commitment: <https://science.osti.gov/SW-DEI/SC-Statement-of-Commitment>

Overview of New FY 2023 SC Requirements for Proposals

Beginning in FY 2023:

- ▶ **PIER Plans:** All SC Funding Opportunity Announcements (FOAs) and DOE National Lab Announcements and other funding solicitations will require applicants to submit a **Promoting Inclusive and Equitable Research (PIER) Plan** as an appendix to their proposal narrative.
- ▶ **Conference Proposals:** For any applications to the SC requesting funds to support a conference, the host organizations of the conference must have an established code of conduct or policy in place that addresses discrimination and harassment, including sexual harassment, other forms of harassment; and must include a recruitment and accessibility plan for speakers and attendees that includes discussion of recruitment of individuals from groups historically underrepresented in the research community.

Merit Review Criteria

DOE SC's standard merit review criteria are set forth by 10 CFR Part 605.10 and may include additional criteria relevant to the scope and objectives of the solicitation.

Unless otherwise tailored in the solicitation (Funding Opportunity Announcement or DOE Laboratory Call), the merit review criteria for the evaluation of applications are as follows, in descending order of importance:

- ▶ Scientific and/or Technical Merit of the Project;
- ▶ Appropriateness of the Proposed Method or Approach;
- ▶ Competency of Applicant's Personnel and Adequacy of Proposed Resources;
- ▶ Reasonableness and Appropriateness of the Proposed Budget; and
- ▶ **Quality and Efficacy of the Plan for Promoting Inclusive and Equitable Research.**

The sponsoring SC Program Office may elect to modify this order at the time the solicitation is developed, as appropriate for the scope and objectives of the solicitation.

New Conference Proposals Policy in FY 2023

At-a-glance:

- ▶ Applies to all applications to SC requesting funding to support conferences or conference activities.
- ▶ Requires that host organization of the conference have a code of conduct (or equivalent policy) that addresses:
 - ▶ Discrimination and harassment of all kinds,
 - ▶ Defines how issues can be reported and how complaints will be addressed,
 - ▶ Describes how all attendees will be informed of the policies and procedures.
- ▶ Requires a recruitment and accessibility plan that describes plan for speakers and attendees.

Related to 2020 SC D&I WG Report Recommendation: Establish SC requirements and expectations for host institutions of scientific meetings and conferences as a condition of SC support of meeting and conference proposals.

Reaching a New Energy Sciences Workforce (RENEW)

Building foundations through undergraduate and graduate training opportunities for students and institutions historically underrepresented in the SC research portfolio



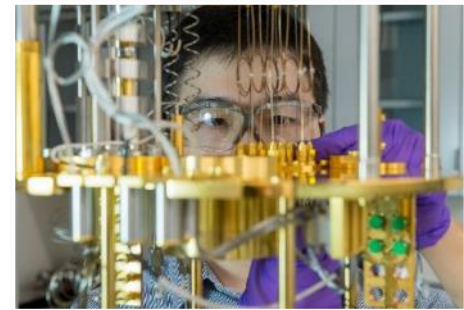
In response to the FESAC LRP recommendation, NASEM Report, and the Bold Decadal Vision, The FES-RENEW program intends to establish sustained research and student training opportunities between non-RI institutions and/or MSIs and DOE National Laboratories, SC designated user facilities, and DOE-sponsored facilities. The emerging research institution and/or MSI must be a collaborative partner, with the purpose of developing opportunities for faculty and students underrepresented in FES programs, especially from emerging research institutions and/or MSIs in STEM disciplines supported by FES.

<https://science.osti.gov/initiatives/RENEW>

Funding to Accelerate Inclusive Research (FAIR)

FAIR will enhance research on clean energy, climate, and related topics at institutions historically underrepresented in the SC research portfolio

- ▶ Build research capacity, infrastructure, and expertise at these institutions
- ▶ Develop mutually beneficial relationships between these institutions and DOE national laboratories and user facilities
- ▶ Complement the RENEW initiative (traineeships for workforce development)
- ▶ Support single institution and a research partner; equipment or infrastructure investments are allowable costs
- ▶ Majority of funds will go directly to the lead institution, a portion will fund the partnering institution (Lab, university)



<https://science.osti.gov/initiatives/FAIR>

Office of Science RENEW and FAIR Initiatives

▶ **RENEW**

- ▶ Leverage SC's national laboratories, user facilities, and other research infrastructures to provide **undergraduate and graduate training opportunities** for students and academic institutions not currently well represented in the U.S. S&T ecosystem.

▶ **FAIR**

- ▶ **Increase research capacity and support faculty** at academic institutions not currently well represented in the U.S. S&T ecosystem by funding core research relevant to the SC mission.
- ▶ Improve the capability of those institutions to perform and propose competitive research.

▶ Both initiatives aim to:

- ▶ Increase the diversity of individuals and institutions participating in SC research.
- ▶ Build relationships with institutions historically underrepresented in the SC research portfolio.

FES Postdoc Program: FY22 Cohort



Nicholas Beier

- Research: Betatron X-ray Source Optimization at High Repetition Rates
- Institutions: LLNL & Institut national de la recherche scientifique (INRS)



Elijah Kolmes

- Research: Differential Transport in Rotating Fusion Plasmas
- Institutions PPPL and Princeton University



Monica Gehrig

- Research: Multi-fidelity Modeling of Gas Flow in Fusion Reactor Blankets
- Institution: ORNL



Lauren Nuckols

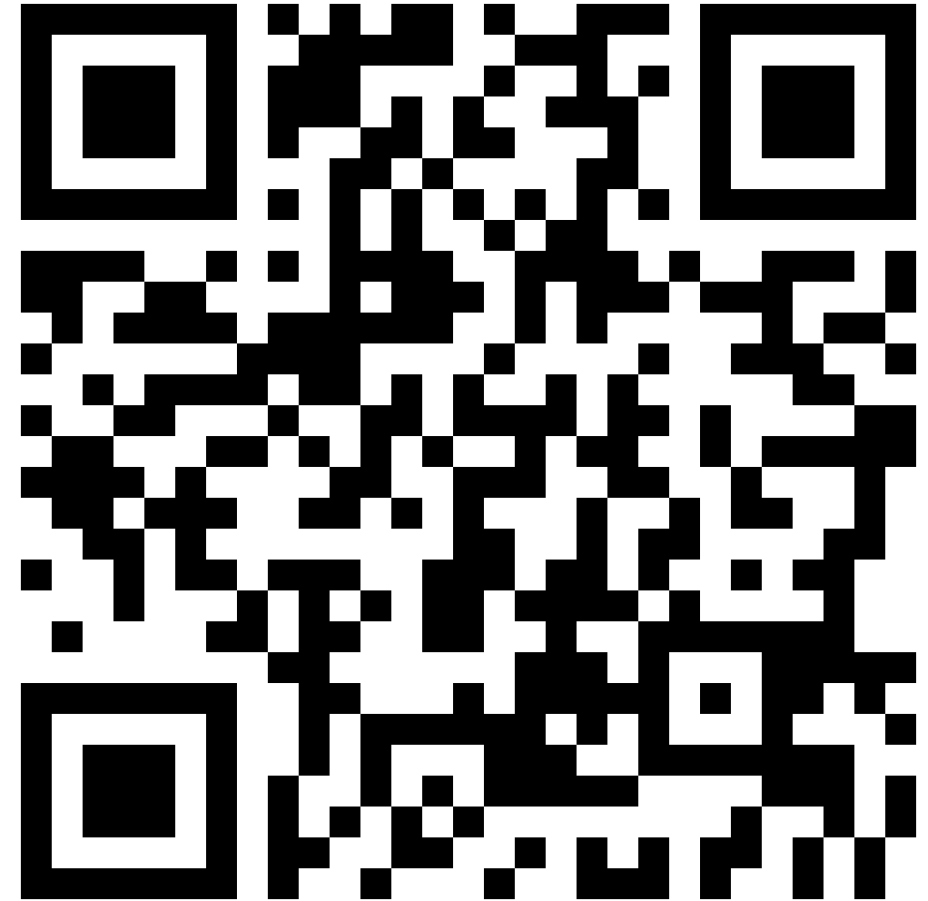
- Research: Testing Ultra High Temperature Ceramics
- Institution: ORNL

2023 FES Postdoc Research Program

The Fusion Energy Sciences Postdoctoral Research Program offers recent doctoral degree recipients the opportunity to conduct research in the U.S. Department of Energy's (DOE) fusion energy research and development programs.

Benefits Include

- ▶ **Annual Stipend (paid monthly):**
 - ▶ \$90,000, plus a supplement towards the cost of health insurance.
- ▶ **Relocation Allowance:**
 - ▶ \$3,000.00, if the assigned hosting facility is more than 50 miles from the current address shown on the application form.
- ▶ **Travel Allowance:**
 - ▶ \$4,000.00 per year to attend Fusion related domestic conferences or events. Foreign Travel (optional) must be addressed in the application.

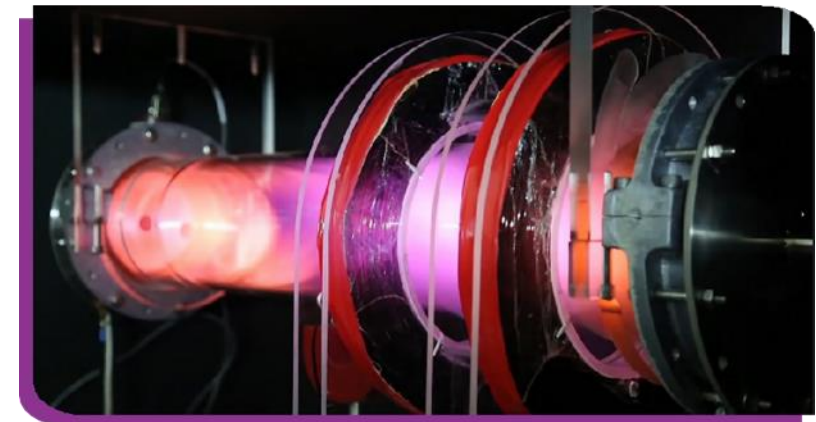


<http://www.ornl.gov/doe-fes-postdoc/>

Plasma and Fusion Undergraduate Research Opportunities (PFURO)

The Plasma and Fusion Undergraduate Research Opportunities features:

- ▶ 10 week competitively paid summer research opportunity
- ▶ 2-week introduction to plasma and fusion course
- ▶ Work with research groups from universities and other undergraduate institutions across the country
- ▶ Current undergraduate students and recent graduates from US institutions welcome to apply
- ▶ Applicants must be eligible to work in the US
- ▶ Funding to present your research at a national conference
- ▶ Women and underrepresented minorities especially encouraged to apply



For more information and to apply visit www.pppl.gov/pfuro



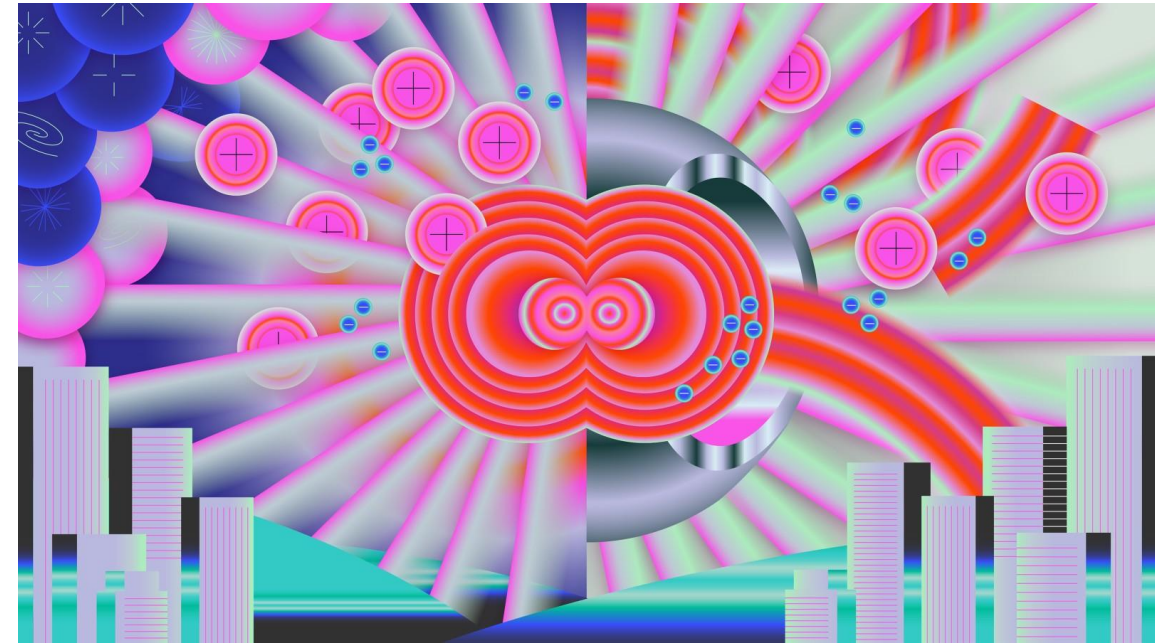
U.S. Fusion Energy Website

Organized by the FES community

- ▶ Fusion Outreach Team

Provides the community and the general public

- ▶ Introduction and general education on Fusion and Plasma Science
- ▶ Current Fusion and Plasma Science News
- ▶ Fusion and Plasma Science Events
- ▶ Fusion and Plasma Science Support in government and industry
- ▶ Student engagement and research opportunities



<https://usfusionenergy.org/>



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