

# Informational Webinar: Reaching a New Energy Sciences Workforce (RENEW)

DE-FOA-0003280

March 21, 2024

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Submission Deadline for Pre-Applications:	April 30, 2024, at 5:00 PM Eastern Time
Pre-Application Response Date:	June 4, 2024, at 11:59 PM Eastern Time
Submission Deadline for Applications:	July 23, 2024, at 11:59 PM Eastern Time

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

<https://science.osti.gov/-/media/grants/pdf/foas/2024/DE-FOA-0003280.pdf>

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(FY 2025  
Request)



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# Reaching a New Energy Sciences Workforce (RENEW)

- Build foundations through traineeships at institutions historically underrepresented in the Office of Science (SC) portfolio
- Leverage our national laboratories, user facilities, and research infrastructure to provide training opportunities
- Focus on non-R1 emerging research institutions (ERIs) and non-R1 minority serving institutions (MSIs)



# FY 2024 RENEW FOA Scope

- We invite applications in all areas supported by the Office of Science:
  - Advanced Scientific Computing Research (ASCR)
  - Basic Energy Sciences (BES)
  - Biological and Environmental Research (BER)
  - Fusion Energy Sciences (FES)
  - High Energy Physics (HEP)
  - Nuclear Physics (NP)
  - Isotope R&D and Production (DOE IP)
  - Accelerator R&D and Production (ARDAP)

# Application Content

- Traineeships are structured, substantive STEM training programs with measurable expectations and a duration and intensity substantial enough to achieve both short-term and long-term training outcomes.
- Applications must include:
  - Hands-on research experience
  - Complementary activities for trainees' professional development and career advancement
  - Defined mentorship component with a clear mentoring plan
  - A recruitment plan as part of the Promoting Inclusive and Equitable Research (PIER) Plan

# Eligibility/Teaming Requirements

- All applications must be submitted on behalf of a lead institution that is a non-R1 ERI or non-R1 MSI.
- The lead institution must partner with at least one team member from a DOE-affiliated institution in one of the following categories:
  - a DOE National Laboratory
  - an SC Scientific User Facility
  - a Bioenergy Research Center
  - a DOE IP Production Site
- Additional partners are also allowed.
- The lead institution must show clear scientific leadership.
- The combined budgets for all non-R1 ERIs and non-R1 MSIs, including direct and indirect costs, must be at least 75% of the total funding requested.

Institution Designations and Classifications: <https://science.osti.gov/grants/Applicant-and-Awardee-Resources/Institution-Designations>

# The DOE National Laboratories

## Office of Science Laboratories

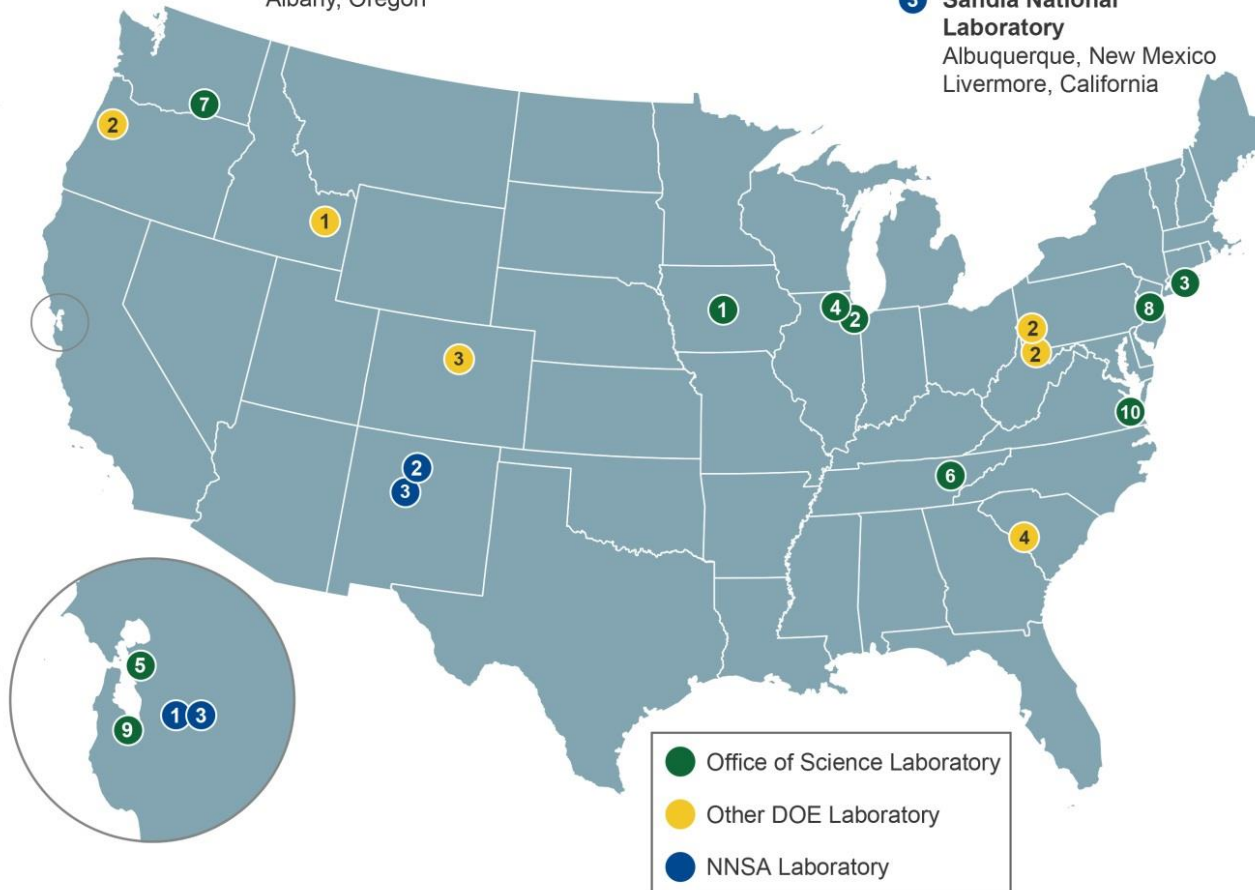
- 1 Ames Laboratory**  
Ames, Iowa
- 2 Argonne National Laboratory**  
Argonne, Illinois
- 3 Brookhaven National Laboratory**  
Upton, New York
- 4 Fermi National Accelerator Laboratory**  
Batavia, Illinois
- 5 Lawrence Berkeley National Laboratory**  
Berkeley, California
- 6 Oak Ridge National Laboratory**  
Oak Ridge, Tennessee
- 7 Pacific Northwest National Laboratory**  
Richland, Washington
- 8 Princeton Plasma Physics Laboratory**  
Princeton, New Jersey
- 9 SLAC National Accelerator Laboratory**  
Menlo Park, California
- 10 Thomas Jefferson National Accelerator Facility**  
Newport News, Virginia

## Other DOE Laboratories

- 1 Idaho National Laboratory**  
Idaho Falls, Idaho
- 2 National Energy Technology Laboratory**  
Morgantown, West Virginia  
Pittsburgh, Pennsylvania  
Albany, Oregon
- 3 National Renewable Energy Laboratory**  
Golden, Colorado
- 4 Savannah River National Laboratory**  
Aiken, South Carolina

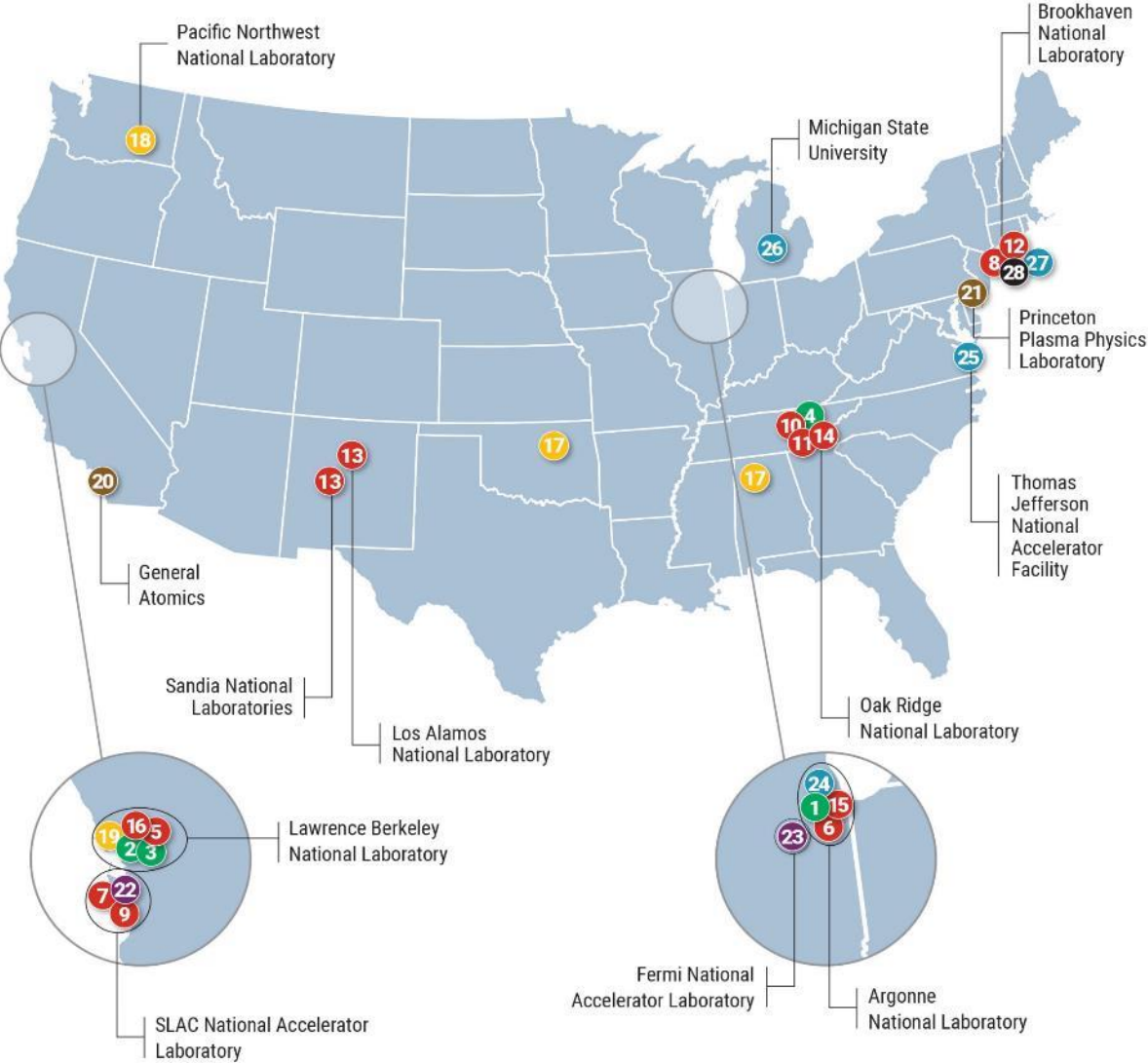
## NNSA Laboratories

- 1 Lawrence Livermore National Laboratory**  
Livermore, California
- 2 Los Alamos National Laboratory**  
Los Alamos, New Mexico
- 3 Sandia National Laboratory**  
Albuquerque, New Mexico  
Livermore, California





# U.S. Department of Energy Office of Science User Facilities



### Advanced Scientific Computing Research (ASCR)

- 1 Argonne Leadership Computing Facility (ALCF)  
Argonne National Laboratory
- 2 Energy Sciences Network (ESnet)  
Lawrence Berkeley National Laboratory
- 3 National Energy Research Scientific Computing Center (NERSC)  
Lawrence Berkeley National Laboratory
- 4 Oak Ridge Leadership Computing Facility (OLCF)  
Oak Ridge National Laboratory

### Basic Energy Sciences (BES)

#### LIGHT SOURCES

- 5 Advanced Light Source (ALS)  
Lawrence Berkeley National Laboratory
- 6 Advanced Photon Source (APS)  
Argonne National Laboratory
- 7 Linac Coherent Light Source (LCLS)  
SLAC National Accelerator Laboratory
- 8 National Synchrotron Light Source II (NSLS-II)  
Brookhaven National Laboratory
- 9 Stanford Synchrotron Radiation Lightsource (SSRL)  
SLAC National Accelerator Laboratory

#### NEUTRON SOURCES

- 10 High Flux Isotope Reactor (HFIR)  
Oak Ridge National Laboratory
- 11 Spallation Neutron Source (SNS)  
Oak Ridge National Laboratory

#### NANOSCALE SCIENCE RESEARCH CENTERS

- 12 Center for Functional Nanomaterials (CFN)  
Brookhaven National Laboratory
- 13 Center for Integrated Nanotechnologies (CINT)  
Sandia National Laboratories and  
Los Alamos National Laboratory
- 14 Center for Nanophase Materials Sciences (CNMS)  
Oak Ridge National Laboratory
- 15 Center for Nanoscale Materials (CNM)  
Argonne National Laboratory
- 16 The Molecular Foundry (TMF)  
Lawrence Berkeley National Laboratory

### Biological and Environmental Research (BER)

- 17 Atmospheric Radiation Measurement (ARM) User Facility  
Fixed and Mobile Sites Across the Globe
- 18 Environmental Molecular Sciences Laboratory (EMSL)  
Pacific Northwest National Laboratory
- 19 Joint Genome Institute (JGI)  
Lawrence Berkeley National Laboratory

### Fusion Energy Sciences (FES)

- 20 DIII-D National Fusion Facility  
General Atomics
- 21 National Spherical Torus Experiment Upgrade (NSTX-U)  
Princeton Plasma Physics Laboratory

### High Energy Physics (HEP)

- 22 Facility for Advanced Accelerator Experimental Tests (FACET)  
SLAC National Accelerator Laboratory
- 23 Fermilab Accelerator Complex  
Fermi National Accelerator Laboratory

### Nuclear Physics (NP)

- 24 Argonne Tandem Linac Accelerator System (ATLAS)  
Argonne National Laboratory
- 25 Continuous Electron Beam Accelerator Facility (CEBAF)  
Thomas Jefferson National Accelerator Facility
- 26 Facility for Rare Isotope Beams (FRIB)  
Michigan State University
- 27 Relativistic Heavy Ion Collider (RHIC)  
Brookhaven National Laboratory

### Accelerator R&D and Production (ARDAP)

- 28 Accelerator Test Facility (ATF)  
Brookhaven National Laboratory

# Limitations

- Applicant institutions may submit more than one pre-application for each principal investigator (PI); however DOE will only encourage one pre-application per PI. Only encouraged pre-applications are allowed to submit an application.
- Applicant institutions are also limited to three pre-applications and three applications for each program (ASCR, BES, BER, FES, HEP, NP, DOE IP, and ARDAP) listed in Section I.

# Awards and Funding Levels

- DOE anticipates that up to \$50 million in current fiscal year funds will be used to support awards under this FOA.
- Approximately 20 to 40 awards are expected.
- There are two application tracks that are differentiated by the award size and duration.
- An Exploratory Application is not required before submitting a Full Application.

Application Track	Award Floor (Total)	Award Ceiling (Total)	Award Duration
Exploratory Application	\$100,000	\$400,000	2 years
Full Application	\$750,000	\$2,250,000	3 years

# Office Hours

- SC will be holding office hours in the two weeks prior to the preapplication and application deadlines to answer administrative questions about submissions. Please inform your Office of Sponsored Activities about this resource.
  - Wednesday, April 17, 2024, 2:00-3:00 pm Eastern Time
  - Thursday, April 25, 2024, 2:00-3:00 pm Eastern Time
  - Wednesday, July 10, 2024, 2:00-3:00 pm Eastern Time
  - Thursday, July 18, 2024, 2:00-3:00 pm Eastern Time
- More info at [https://science.osti.gov/-/media/grants/pdf/foas-resources/2024/3280\\_OfficeHours.pdf](https://science.osti.gov/-/media/grants/pdf/foas-resources/2024/3280_OfficeHours.pdf).

# Resources

- The **FOA** is the authoritative source for this competition: <https://science.osti.gov/-/media/grants/pdf/foas/2024/DE-FOA-0003280.pdf>.
- **Frequently asked questions** are posted at <https://science.osti.gov/Initiatives/RENEW/Frequently-Asked-Questions>.
- **Points of contact** for all 17 DOE national laboratories, all 28 Office of Science User Facilities, Bioenergy Research Centers, and DOE IP Production Sites are posted at [https://science.osti.gov/-/media/grants/pdf/foas-resources/2024/FY24\\_RENEW\\_Partner\\_POCs.pdf](https://science.osti.gov/-/media/grants/pdf/foas-resources/2024/FY24_RENEW_Partner_POCs.pdf).
- **Institution designations/classifications** are posted at <https://science.osti.gov/grants/Applicant-and-Awardee-Resources/Institution-Designations>.
- **For questions** about budgets, eligibility, or similar topics, please contact [sc.renew@science.doe.gov](mailto:sc.renew@science.doe.gov). Questions regarding the specific program areas/technical requirements can be directed to the technical contacts listed within the FOA.

# Office of Science RENEW and FAIR Initiatives

- RENEW
  - Leverage SC's national laboratories, user facilities, and other research infrastructures to support traineeships for students and postdoctoral researchers at institutions underrepresented in the SC portfolio.
  - Applications to RENEW must include training activities beyond conduct of research.
- Funding for Accelerated, Inclusive Research (FAIR)
  - Build research capacity, infrastructure, and expertise at institutions historically underrepresented in the SC portfolio by funding fundamental research relevant to the SC mission.
- Both initiatives aim to:
  - Increase the diversity of institutions participating in SC research.
  - Build relationships with institutions historically underrepresented in the SC research portfolio.