

# DOE Office of Science Graduate Student Research (SCGSR) Program

The SCGSR Program provides supplemental awards to outstanding graduate students to spend 3 to 12 months conducting part of their doctoral thesis/dissertation research at a DOE national laboratory in collaboration with a DOE laboratory scientist.

- Graduate students must apply online through the online application system.
- The application requires a research proposal and letters of support from both the graduate student's thesis advisor and the collaborating DOE laboratory scientist.
- Student's research and proposed SCGSR project must be aligned with one of the identified SCGSR priority research areas defined by the SC Program Offices and specified in the solicitation.
- Applications proposing to use an SC user facility must apply for user facility time separately.

## Award Benefits:

- A monthly stipend of up to \$3,000/month for general living expenses
- Reimbursement of inbound/outbound traveling expenses to/from the DOE laboratory of up to \$2,000.

(Award payments are provided directly to the student.)

## Eligibility:

- U.S. Citizen or Permanent Resident
- Qualified graduate program & Ph.D. Candidacy
- Graduate research aligned with an SCGSR priority research area
- Establishment of a collaborating DOE laboratory scientist at the time of application

**2017 Solicitation 1 – Applications Due: May 16, 2017 5:00PM ET**

Full details, requirements, FAQs, and link to application at: <http://science.energy.gov/wdts/scgsr/>

# SCGSR Program 2017 Solicitation 1 – Priority Research Areas

## Advanced Scientific Computing Research (ASCR)

- (a) Applied Mathematics
- (b) Computer Science
- (c) Next Generation Networking for Science
- (d) Research and Evaluation Prototypes

## Basic Energy Sciences (BES)

- (a) Accelerator and Detector R&D
- (b) Nuclear Chemistry and Radiochemical Separations (*updated from “Heavy Element Radiochemistry”*)
- (c) Neutron Scattering Research and Instrumentation
- (d) Predictive Materials Science and Chemistry
- (e) Fundamental Electrochemistry related to Energy Transduction, Storage, and Corrosion
- (f) Crystal Growth
- (g) Ultrafast Materials and Chemical Sciences
- (h) Electron and Scanning Probe Microscopy Research and Instrumentation
- (i) Basic Geosciences
- (j) Gas Phase Chemical Physics
- (k) Radiation Effects in Materials
- (l) Catalysis Science with NMR Spectroscopy and Neutron Scattering
- (m) Highly Ionizing Radiation in Chemistry

## Biological and Environmental Research (BER)

- (a) Computational Biology and Bioinformatics
- (b) Novel in situ Imaging and Measurement Technologies for Biological Systems Science (*updated from “Biological Imaging - Mesoscale to Molecules”*)

- (c) Plant Science for Sustainable Bioenergy
- (d) Soil Microbiology
- (e) Environmental Systems Science
- (f) Atmospheric System Research
- (g) Earth System Modeling
- (h) Regional and Global Climate Modeling

## Fusion Energy Sciences (FES)

- (a) Burning Plasma Science & Enabling Technologies
- (b) Discovery Plasma Science

## High Energy Physics (HEP)

- (a) Theoretical and Computational Research in High Energy Physics
- (b) Advanced Technology Research and Development in High Energy Physics
- (c) Experimental Research in High Energy Physics

## Nuclear Physics (NP)

- (a) Medium Energy Nuclear Physics
- (b) Heavy Ion Nuclear Physics
- (c) Low Energy Nuclear Physics
- (d) Nuclear Theory
- (e) Nuclear Data and Nuclear Theory Computing
- (f) Isotope Development and Production for Research and Applications
- (g) Accelerator Research and Development for Current and Future Nuclear Physics Facilities



# Key Dates for 2016 -2017

At the submission deadline (shown in red), the online application system will close after which no additional materials will be accepted.

**The online application system closes at 5:00 PM Eastern Time.**

	2016 Solicitation 2	2017 Solicitation 1	2017 Solicitation 2***
On-line Application Opens	August 30, 2016	February 21, 2017	August 2017
<b>Applications Due</b>	<b>November 21, 2016 5:00 PM ET</b>	<b>May 16, 2017 5:00 PM ET</b>	<b>November 2017</b>
Offer Notification Period <i>Begins on or around</i>	April 2017	September 2017	April 2018
<i>Earliest*</i> Start Date for Proposed Project Periods	June 1, 2017	October 30, 2017	June 4, 2018
<i>Latest**</i> Start Date for Proposed Project Periods	October 2, 2017	February 28, 2018	October 1, 2018

*\*Proposed project periods may not begin before this date, and may be 3 to 12 consecutive months in duration.*

*\*\* Proposed project period must begin no later than this date, and may be 3 to 12 consecutive months in duration.*

*\*\*\*All Dates are tentative.*