DEPARTMENT OF ENERGY
NATIONAL NUCLEAR SECURITY ADMINISTRATION

LABORATORY RESIDENCY GRADUATE FELLOWSHIP

LRGF

APPLICATIONS DUE 3.4.2020

BENEFITS

- $36,000 annual stipend
- Payment of full tuition and required fees
- Yearly program review participation
- Annual professional development allowance
- Two or more 12-week-minimum national laboratory residencies
- Renewable yearly

The Department of Energy National Nuclear Security Administration Laboratory Residency Graduate Fellowship (DOE NNSA LRGF) provides outstanding benefits and opportunities to U.S. citizens who are entering their second (or later) year of doctoral study to work at premier national laboratories while pursuing degrees in fields relevant to the stewardship of the nation's nuclear stockpile.

LAB RESIDENCY Fellowships include at least two 12-week research residencies at Lawrence Livermore National Laboratory, Los Alamos National Laboratory, Sandia National Laboratories, or the Nevada National Security Site. Fellows are encouraged to extend these residencies to carry out thesis research and other studies at the four DOE NNSA facilities.

www.krellinst.org/lrgf

Top: Sandia's Hermes III, the world's most powerful gamma ray generator, produces a highly energetic beam to test how well electronics can survive radiation bursts similar to those nuclear weapons produce.

Bottom: Sandia National Laboratories researchers inspect equipment to probe how long-term aging under varying environments affects the performance of electronics inside nuclear devices.

FIELDS OF STUDY

ENGINEERING & APPLIED SCIENCES
pulsed power; particle accelerator physics and design; detector and data processing; fluid mechanics

PHYSICS
atomic, nuclear and plasma physics; shock physics

MATERIALS
additive materials; dynamic materials; energetic materials physics and chemistry

MATHEMATICS AND COMPUTATIONAL SCIENCE
multiscale, multiphysics theory and numerical simulation; pic/fluid hybrid simulation

READ FULL DESCRIPTIONS ONLINE.

This equal opportunity program is open to all qualified persons without regard to race, gender, religion, age, physical disability or national origin.

U.S. DEPARTMENT OF ENERGY

National Nuclear Security Administration

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