## Overview

The Postdoctoral (Postdoc) Program offers the opportunity for appointees to

- ❖Perform research in a scientifically rich research and development environment
- ❖Present and publish research
- ❖Contribute to the research efforts at the Laboratory, the advancement of knowledge in the areas of basic and applied research, and the strengthening of our national scientific and technical capabilities

Postdocs enhance the Laboratory's scientific and technical vitality by:

- ❖sharing new ideas and approaches,
- ❖challenging colleagues to work at the cutting edge,
- ❖making available the most current university research endeavors,
- ❖broadening contacts with the external scientific community, and
- ❖forming communication links between the Laboratory, universities, and industry.

Postdoc opportunities are available in a wide spectrum of scientific fields that include, but are not limited to:

- ➢Biosciences
- ➢Chemistry
- ➢Computing
- ➢Earth and Space Science
- ➢Engineering
- ➢Materials Science
- ➢Mathematics
- ➢Physics

## Salary and Benefits

Current salary guidelines start at $70,800 and are based on years since completion of Ph.D. Starting salary for Distinguished Postdocs is $104,900. A generous and comprehensive benefits package is included for all postdoc appointments.

## Awards and Prizes

➢Postdoctoral Publication Prize in

- Theoretical Physics
- Experimental Sciences

## Los Alamos Postdoctoral Association (LAPA)

LAPA was organized by postdocs for postdocs, to foster a sense of community through events organized to promote social and career networking amongst postdoctoral colleagues at LANL.

LAPA Los Alamos Postdoctoral Association Est. 2006

http://www.lanl.gov/projects/pda/index.shtml

## Postdoctoral Appointments

All sponsored postdoc candidates are reviewed and selected by the Laboratory's Postdoc Committee. Initial appointments are two years, renewable for a third. Most candidates will be offered a Postdoc Research Associate appointment. In addition, each year approximately 25 Director's Postdoc Fellow and as many as four Distinguished Postdoc Fellow appointments are awarded.

## Types of Appointments

***Postdoctoral Research Associates*** pursue research as part of ongoing LANL science and engineering programs. *Sponsored postdoctoral candidate packages are reviewed by the Postdoctoral Committee throughout the year.*

***Director's Postdoctoral Fellows*** collaborate with LANL scientists and engineers on staff-initiated research. Candidates are selected based on the strengths of their academic and research accomplishments as well as the strength of their proposed research. *Sponsored candidate packages will be reviewed by the Postdoctoral Committee during each of the quarterly meetings.*

***Agnew National Security Postdoctoral Fellows*** are provided the opportunity to pursue cutting-edge experimental, theoretical, computational science, and engineering research aligned with the national security mission. Open to those who have the ability to obtain a DOE "Q" Security Clearance, which usually requires U.S. Citizenship. *Sponsored candidate packages will be reviewed by the Postdoctoral Committee during the May quarterly meeting.*

***Entrepreneurial Postdoctoral Fellows*** are provided the opportunity to combine postdoctoral research with the direct experience needed to participate in commercialization activities. This program will also incorporate business and entrepreneurship training and development from a diverse set of experts. Open to those who have the ability to obtain a DOE "Q" Security Clearance, which usually requires U.S. Citizenship. *Sponsored candidate packages will be reviewed by the Postdoctoral Committee only during designated quarters.*

***Nicholas C. Metropolis Postdoctoral Fellows*** are provided the opportunity to pursue cutting-edge research in the areas of computational and computer science, physics, and engineering. Under the Advanced Simulation and Computing (ASC) Program, computer simulation capabilities are developed to support the stockpile stewardship program together with broader national nuclear security needs. Selected candidates will have the opportunity to use the most powerful supercomputers in the world to perform pioneering research in these disciplines. *Sponsored candidate packages will be reviewed by the Postdoctoral Committee only during the January quarterly meeting.*

## Distinguished Postdoctoral Appointments

Candidates must display extraordinary ability in scientific research and show clear and definite promise of becoming outstanding leaders in the research they pursue. These fellowships provide the opportunity for recipients to collaborate with LANL scientists and engineers on staff-initiated research. Appointments are for three years. *Sponsored candidate packages are reviewed by the Postdoctoral Committee during the January quarterly meeting.*

***Marie Curie (MC) Distinguished Postdoctoral Fellow -*** Named after the distinguished nuclear scientist and only person honored with two Nobel Prizes in different scientific categories (Physics in 1903 and Chemistry 1911). Awarded to the highest-ranked women candidates. *Open to all nationalities and research areas aligned with the Laboratory's missions.*

***Richard P. Feynman (RPF) Distinguished Postdoctoral Fellow in Theory and Computing*** - Named after the famed theoretical physicist and winner of the 1965 Nobel Prize in Physics. Awarded to the highest-ranked candidates in theory or computing. Candidates must have the ability to obtain a DOE "Q" Security Clearance, which usually requires U.S. Citizenship.

***J Robert Oppenheimer (JRO) Distinguished Postdoctoral Fellow -*** Named after the Laboratory's first Director. *Open to all nationalities and research areas aligned with the Laboratory's missions.*

***Frederick Reines (FR) Distinguished Postdoctoral Fellow in Experimental Sciences -*** Named after the former LANL researcher who won the 1995 Nobel Prize in Physics. Awarded to the highest-ranked candidates in experimental sciences. Candidates must have the ability to obtain a DOE "Q" Security Clearance, which usually requires U.S. Citizenship.

## Postdoctoral Partnership Appointments

***Intelligence Community (IC) Postdoctoral Fellow***

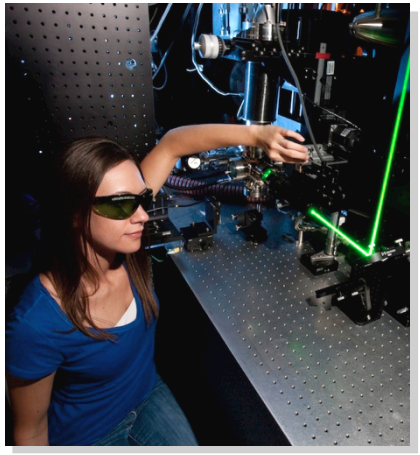
http://www.icpostdoc.org/ - In coordination with the Intelligence Community and the Department of Energy, this fellowship provides the opportunity for recipients to collaborate with LANL scientists and engineers regarding staff-initiated research in areas that have the potential for future technological developments important to the Intelligence Community. Open to those who have the ability to obtain a DOE "Q" Security Clearance, which usually requires U.S. Citizenship.

## LANL Vision and Mission Statement

**Our Mission**

We develop and apply science and technology to

- Ensure the safety, security and reliability of U.S. nuclear deterrent
- Reduce global threats
- Solve other emerging national security challenges

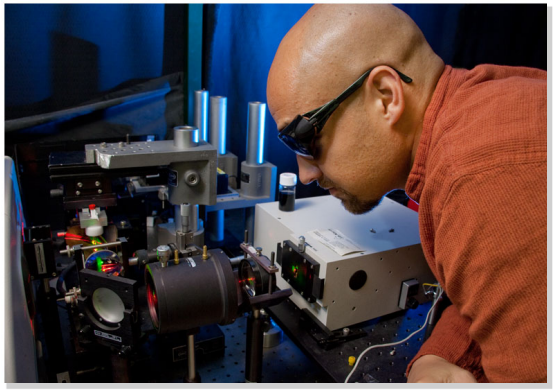


Los Alamos National Laboratory is located at the base of the Jemez Mountains in northern New Mexico. In this beautiful natural environment awaits an opportunity for you to work in a world-class research facility. At LANL, you can immerse yourself in 21st century science where people who find intrigue and fulfillment in science make contributions to research and development. Established in 1943 and managed by the Los Alamos National Security, LLC for the Department of Energy, the Laboratory's mission is to provide scientific leadership for the nation and the world.

## Sponsorship and Eligibility

To be considered for a LANL Postdoc appointment, candidates must be nominated and sponsored by a member of the Lab's technical staff. To identify a potential sponsor, you can review the technical directorates, divisions and programs of the Laboratory at http://www.lanl.gov/organization/listings.shtml and http://www.lanl.gov/science. In addition, you can meet potential sponsors by networking at conferences and work-shops, reviewing journal articles, and attending university recruiting events. Technical staff review postdoctoral CVs and directly contact candidates that are a strong match for their research. Candidates may apply for a postdoctoral position within five years of receiving their Ph.D. and being reviewed by the Postdoctoral Committee, or will have completed all Ph.D. requirements by commencement of appointment. Requests for exceptions will be considered based on extenuating circumstances.

For more information, please visit the LANL web pages at http://www.lanl.gov, or the Postdoctoral Program web pages at http://www.lanl.gov/science/postdocs. To apply to the Program, access http://www.hr.lanl.gov/FindJob/





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# The Postdoctoral Program

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