

# **Postdoctoral Research Associate in Systems Genetics of Low Dose Radiation Biology**

**Biosciences Division  
Biological and Environmental Sciences Directorate  
Oak Ridge National Laboratory  
Oak Ridge, Tennessee**

ORNL09-40-BESD

## **Project Description:**

Oak Ridge National Laboratory's Biosciences Division invites applications for a Post Doc to develop and support research projects that use systems genetics to advance the study of low dose radiation biology using mouse models.

## **Duties/Responsibilities:**

Responsibilities will center upon executing the current science plan for low dose radiation at ORNL. This plan includes exposing a panel of recombinant inbred strains to low dose ionizing radiation and using the paradigm of systems genetics to understand genetic susceptibility to radiation exposure. The current biological focus of the project is on radiation consequences to the immune system, but research into additional biological domains may be developed as part of this position. The candidate will be responsible for coordinating mouse exposures and experiments, managing data, presenting and publishing research findings, and interacting with collaborating scientists. He/she will have the opportunity to develop independent areas of research related to genetic susceptibility to environmental contaminants, and to collaborate with investigators from a variety of disciplines at ORNL. Candidates with a strong quantitative/computational skills related to field of research are especially desirable.

## **Qualifications:**

The ideal candidate will have either a PhD or significant expertise in radiation biology. Candidates with limited experience in radiation biology but with a strong background in systems genetics will also be competitive. Successful candidates will also have a publication record, communications and interpersonal skills, and will perform effectively in a dynamic, intellectually stimulating multi-disciplinary research environment. Applicants cannot have received the most recent degree more than five years prior to the date of application and must complete all degree requirements before starting their appointment.

## **Technical Questions:**

For further information about the positions and the projects contact Tony Palumbo ([palumboav@ornl.gov](mailto:palumboav@ornl.gov)).

## **How to Apply:**

Qualified applicants must apply online at [https://www2.ornl.gov/ORNL\\_POST/](https://www2.ornl.gov/ORNL_POST/). All applicants will need to register before they can begin the online application. For complete instructions, on how to apply, please see the instructions at

<http://www.ornl.gov/orise/edu/ornl/ornl-pdpm/application.htm>. When applying for this position, please reference the position title and number. Applications will be accepted until November 1, 2008 or until the position is filled.

This appointment is offered through the ORNL Postgraduate Research Participation Program and is administered by the Oak Ridge Institute for Science and Education (ORISE). The position is open to citizens or legal permanent residents of the US without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.