The Radiation Detection and Nuclear Sciences group is seeking nuclear physicists, nuclear engineers, or particle physicists to support or lead a wide variety of research and development efforts involving radiation detection and related instruments and systems with particular emphasis on novel technology exploration. The successful candidate should demonstrate an interest and aptitude toward building and leading research projects and working effectively in dynamic, multi-disciplinary teams that involve chemists, materials scientists, electrical engineers and statisticians. The research group seeking to fill these positions supports a number of critical national security missions along with missions relating to environmental monitoring and fundamental science.

This position focuses on novel detector development and application of cutting-edge radiation detector technologies from the fundamental science communities to national and homeland security, nuclear nonproliferation, nuclear material detection and characterization, and environmental science. Candidates should have a broad knowledge base in detector development from design and simulation through construction and performance testing.

The research and development of the RD&NS group is focused on both new radiation detection equipment and its application to specialized missions. The detectors are used across the spectrum from fundamental science to very applied missions. We are looking for a scientist who enjoys working in the lab and developing ties to academic institutions. The successful applicant should enjoy working on projects from inception through final application as the project-oriented business model fosters an entrepreneurial attitude to science and application.

Further information about the RD&NS group may be obtained at http://rdnsgroup.pnl.gov/index.stm.

Position #: 301626, 301627. To apply directly, please visit http://jobs.pnl.gov

A competitive salary and benefits package will be offered. PNNL, located in Richland, WA, is operated and managed by Battelle for the U. S. Department of Energy.