

Post-Doctoral Research Associate, Scintillation Materials Research Center (SMRC) – Tickle College of Engineering, The University of Tennessee

Description

The Scintillation Materials Research Center (SMRC) at the University of Tennessee, Knoxville, has an opening for a Post-Doctoral Research Associate. This position will focus on the discovery, synthesis, characterization, and development of new scintillation materials for radiation detection applications in homeland security and medical imaging. The individual will develop research strategies, carry out hands-on experimental research, and mentor graduate and undergraduate students. In addition, the individual will collaborate with academic, national lab, and industrial partners of the SMRC. Research results will be published in peer-reviewed journals and patented as appropriate.

The appointment is for 12 months based on satisfactory performance and available funding. An extension may be considered. Screening of applicants will begin immediately and will continue until the position has been filled. Interested persons should submit a CV to Prof. Chuck Melcher (cmelcher@utk.edu) or Prof. Mariya Zhuravleva (mzhuravl@utk.edu).

Minimum/Required Qualifications:

Education: Ph.D. in Engineering or Science.

Job Skills: Experience with crystal growth and characterization of scintillation and other material properties is desirable but not required. Activities will include materials synthesis and characterization, interpretation of research results, reporting to sponsors, publishing results, submitting patent applications, and mentoring students.

Physical Requirements: Able to lift 25 pounds.

Preferred/Desired Qualifications:

Self-motivated researcher, strong communication skills, team oriented.

Job

Research

Salary DOE & Q

Primary Location

US-Tennessee-Knoxville

Organization

Scintillation Materials Research Center (Tickle College of Engineering)

Schedule

Full-time

The Knoxville campus of the University of Tennessee is seeking candidates who have the ability to contribute in meaningful ways to the diversity and intercultural goals of the University.