



Seeking Applicants for Post-Doctoral Research Scholars

The Department of Mechanical and Nuclear Engineering ([MNE](#)) at Virginia Commonwealth University ([VCU](#)) has established The *Minority Serving Institutions for Manufacturing Sustainable Isotopes and Mainstreaming Scientific Inclusion (MSI³)* and is seeking a **post-doctoral research scholar to perform and lead radiochemistry research in isotope production science.**

Eligibility and Requirements

- Must have a Ph.D. in Radiochemistry or related field
- Must be willing to mentor students
- Must be willing to co-teach a summer course
- U.S. citizenship **NOT** required

Job Responsibilities

MSI³ will develop methods to optimize isotope production while training 70 students. This work encompasses the complete process from initial modeling to final assay of produced isotopes. The post-doctoral research scholar will be responsible for leading the radiochemistry aspects of this work, including setting up a radiochemistry laboratory, training undergraduate and graduate students, co-teaching a summer course on isotope production, performing research on more efficient methods to extract isotopes, and publishing results. Writing grants for additional funding is not required but is welcomed.

Benefits

- Salary of \$65,000/yr
- Retirement
- Health insurance
- 5 years of secured research funding
- 462 ft² of radiochemistry laboratory space
- Undergraduate and graduate research support



Example of a VCU MNE laboratory



Collaboration facility (HFIR) to produce radionuclides

Richmond, VCU, and MNE

Richmond is the capital city of Virginia and is host to a wide variety of living, dining, and recreational options. The primary university within Richmond is VCU, which has an enrollment of 31,000 students across 14 Schools/Colleges. The Department of Mechanical and Nuclear Engineering has 560 students and 28 faculty, offering B.S., M.S., and Ph.D. degrees.



VCU's College of Engineering



Downtown Richmond with the James River next to it

Interested applicants should contact Dr. Braden Goddard (bgoddard@vcu.edu) or Dr. Jessika Rojas (jvrojas@vcu.edu) and apply at: <https://vcu.csod.com/ux/ats/careersite/1/home/requisition/4566?c=vcu>