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Opportunity Title: Chemistry/Physics Research (MS/PhD Candidates)
Opportunity Reference Code: APHC-1768507089

Organization U.S. Army

Reference Code APHC-1768507089

How to Apply This ORISE opportunity is managed by the DoD ORISE operations, please use the direct link provided below to access the announcement:

Direct URL:

https://www.pcrecruiter.net/pcrbin/apply.asp?r=jCN0rh7nIzQfwpaPX0LS99PY8J487i4xv0inUN0D0ZDfEBwDKQHIxCCYypX

Description One ORISE Chemistry/Physics postgraduate research opportunity is available with the U.S. Army Public Health Center, located at Aberdeen Proving Ground, MD. This appointment is scheduled to last at least five years with the option to be scheduled to be renewed up to four additional years of research. This research opportunity is seeking a candidate with a Master or Doctoral degree in Chemistry/Physics, focusing in alpha spectroscopy, ion chromatography for actinides, electrodeposition chemistry, experience in radiochemistry, gas flow proportional counting, gamma spectroscopy and liquid scintillation counting. U.S. Citizenship is required. To qualify for ORISE, candidates must have completed their degree within the past five years.

The researcher will assist with the develop and implement alpha spectroscopy procedures for uranium (specifically uranium-238, uranium-235/236 and uranium-234/233) with commercial off the shelf methods and technology utilizing ion chromatography (i.e. Eichrom) separation, electrodeposition and co-precipitation sample mounting and alpha spectroscopy counting with uranium-232 tracer for water (surface and ground), soil/sediment and air filter/wipe test sample matrices. Procedures developed must be compliant with all ISO 17025 certification requirements. This will include development of Standard Operating Procedures, establishment of quality control process and control limits including both method and instrument performance quality control and training of other lab personnel in these methods.

Qualifications This research opportunity is seeking a candidate with a Master or Doctoral degree in Chemistry/Physics, focusing in alpha spectroscopy, ion chromatography for actinides, electrodeposition chemistry, experience in radiochemistry, gas flow proportional counting, gamma spectroscopy and liquid scintillation counting. U.S. Citizenship is required. To qualify for ORISE, candidates must have completed their degree within the past five years.

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Any degree .
- **Academic Level(s):** Any academic level.
- **Discipline(s):**

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- **Chemistry and Materials Sciences** (12 👁)
- **Environmental and Marine Sciences** (1 👁)
- **Life Health and Medical Sciences** (45 👁)
- **Physics** (16 👁)