

Postdoctoral Scholar in the Radionuclide Production and Molecular Radiotherapy Research Laboratories within the Department of Radiation Oncology at the University of Washington (<https://radiationoncology.uw.edu/research/research-labs/wilbur-radiochemistry-lab/>)

Position Description

The Radionuclide Production and Molecular Radiotherapy Research Laboratories in the Department of Radiation Oncology at the University of Washington (Seattle, WA) is seeking candidates for a postdoctoral scholar research position in radionuclide production for molecular radiotherapy. Our research group develops and evaluates radiochemistry methods that can be applied to produce and purify therapeutic and theranostic radionuclides, as well as development of radiolabeling reagents/chelators used for attaching radionuclides to biological targeting molecules, such as monoclonal antibodies for cancer therapy. Preclinical research in astatine-211-labeled MABs conducted by our group has been translated to the clinic and is presently being evaluated in multiple human studies.

The University of Washington Medical Cyclotron Facility is capable of producing variable energy proton, deuteron, alpha and high energy neutron beams for radionuclide production. The Postdoctoral Scholar in our research group will collaborate with UW Materials Science research groups and cyclotron engineers to develop new target designs for irradiations. It is planned that the candidate will visit and work with our collaborators at Los Alamos National Laboratory and University of Missouri to develop purification and radiolabeling methods for the production of medical radionuclides. The radiopharmaceuticals under development will be evaluated in animal models through collaborations with investigators in other research groups at the UW and the Fred Hutchinson Cancer Research Center. The initial appointment is one year, with an anticipated start date of August 1, 2020, and the appointment is renewable depending upon performance and availability of funding.

Postdoctoral scholars are represented by UAW 4121 and are subject to the collective bargaining agreement, unless agreed exclusion criteria apply. For more information, please visit the University of Washington <https://hr.uw.edu/labor/2019/06/03/agreement-reached-with-uaw-postdoctoral-scholars-on-2019-2021-contract>

Preferred Skills:

Successful candidates should have interest in developing new cancer therapy, strong communication skills, and the ability to work independently. Our research is a team effort, and the candidate will be required to participate in a number of aspects of the research as needed.

Qualifications

Candidates should have a doctorate in Radiochemistry, Chemistry, Materials Science, or a closely related field.

Application Instructions

For full consideration, please submit your C.V., a cover letter and contacts of 3 references via Interfolio at <https://apply.interfolio.com/75853>.

Equal Employment Opportunity Statement

University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, marital status, pregnancy, genetic information, gender identity or expression, age, disability, or protected veteran status.

Commitment to Diversity

The University of Washington is committed to building diversity among its faculty, librarian, staff, and student communities, and articulates that commitment in the UW Diversity Blueprint (<http://www.washington.edu/diversity/diversity-blueprint/>). Additionally, the University's Faculty Code recognizes faculty efforts in research, teaching and/or service that address diversity and equal opportunity as important contributions to a faculty member's academic profile and responsibilities (<https://www.washington.edu/admin/rules/policies/FCG/FCCH24.html#2432>).