**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/**](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) are seeking candidates for a Postdoctoral Scholar research position in the areas of radionuclide production and radiolabeling of biomolecules 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 monoclonal antibodies conducted by our group and collaborators at the Fred Hutchinson Cancer Research Center has been translated to the clinic and is presently being evaluated in multiple clinical trials.

Radionuclides are produced in the University of Washington Medical Cyclotron Facility, which has a cyclotron capable of producing variable energy proton, deuteron, alpha and high energy neutron beams for radionuclide production. The Postdoctoral Scholar will collaborate with UW Materials Science research groups, cyclotron engineers, collaborators at national laboratories to develop new target designs for irradiations. The Postdoctoral Scholar will also have an opportunity to work on radiopharmaceuticals under development through collaborations with investigators in other research groups at the UW, the Fred Hutchinson Cancer Research Center and other universities. The initial appointment is one year. Renewal of the appointment is possible but is dependent on mutual agreement 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 will have a Ph.D. in a physical science and should have interest in developing new cancer therapies. Strong communication skills and the ability to work independently are required. 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 must have a doctorate in a physical science, but candidates with a Radiochemistry, Radiopharmaceutical Chemistry, Materials Science, or a closely related field are preferred.

**Application Instructions**

For full consideration, please submit your C.V., a cover letter and contacts of 3 references to liyw@uw.edu or dswilbur@uw.edu

**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>).