

## **Radiopharmaceutical Chemist Position at the University of Washington**

Seattle, WA, USA

Salary: \$9,167 - \$10,834 per month

### Job Description

We are seeking a passionate and dedicated candidate to join the Molecular Radiotherapy Research Laboratory in the Department of Radiation Oncology at the University of Washington in the capacity of Research Scientist/Engineer, focusing on radiopharmaceutical chemistry. This role, ranging from RSE II to III depending on the qualifications and experience of the candidate, is pivotal to our interdisciplinary collaborative research efforts. Preference will be given to candidates with a background in synthetic chemistry, antibody conjugation and radiochemistry. We will also provide all necessary training to ensure the successful candidate is equipped to excel in this role.

### Duties & Responsibilities of Position:

1. Research & Development: (85%)
  - a. Synthesize and characterize novel reagents for applications in diagnostic and targeted radionuclide therapy, especially monoclonal antibody-based reagents.
  - b. Conduct radiolabeling experiments to develop new labeling methods
  - c. Lead efforts in radiolabeling of antibodies for preclinical studies.
  - d. Assist in the preparation of radiolabeled reagents in a cGMP environment for clinical studies.
  - e. Prepare and process bismuth targets to produce astatine-211 for chemistry, preclinical and clinical studies.
  - f. Conduct chemistry experiments to improve radionuclide production.
  - g. Analyze data, draw meaningful conclusions, and report findings in a clear, concise manner.
2. Laboratory Management: (10%)
  - a. Ensure the proper use, maintenance, and calibration of all laboratory equipment.
3. Training duties: (5%)
  - a. Guide and mentor students and Postdoctoral trainees in the team, ensuring the dissemination of knowledge and best laboratory practices.

### Requirements of Candidates:

1. Minimum of Bachelor's degree in Chemistry, Biochemistry, or a related field. Advanced degrees (Master's or PhD) preferred

2. Prior experience with radioactive materials and background in synthetic chemistry are essential
3. Excellent problem-solving skills and the ability to work independently
4. Strong verbal and written communication skills
5. Familiarity with lab safety and radiation safety protocols and best practices
6. Willingness to be strong team member by helping others when needed
7. Ability to collaborate effectively with multidisciplinary teams
8. Willingness and ability to rapidly learn and implement new techniques/instruments as required for research projects
9. Capable of excellent time management and multi-tasking skills and the ability to balance work priorities

Desired Traits and Skills of Candidates:

1. Strong preference for candidates with experience in antibody conjugation and radiolabeling of biomolecules for molecular imaging or targeted radionuclide therapy
2. Knowledge and experience with glovebox techniques
3. Knowledge and experience with radioanalytical equipment and methods (radio-HPLC, radio-TLC, gamma-ray and/or alpha spectroscopy, etc)
4. Flexibility to work late hours or on weekends/holidays when required to finish a time-sensitive experiment

Application Process:

Please submit your application through the online application portal:

<https://uw hires.admin.washington.edu/ENG/Candidates/default.cfm?szCategory=jobprofile&szOrderID=242637>

[The University of Washington is an affirmative action and equal opportunity employer.](#) All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, protected veteran or disabled status, or genetic information.

To request disability accommodation in the application process, contact the Disability Services Office at 206-543-6450 or [dso@uw.edu](mailto:dso@uw.edu).

Applicants considered for this position will be required to disclose if they are the subject of any substantiated findings or current investigations related to sexual misconduct at their current employment and past employment. Disclosure is required under [Washington state law](#).