

As a UW employee, you have a unique opportunity to change lives on our campuses, in our state and around the world. UW employees offer their boundless energy, creative problem-solving skills and dedication to build stronger minds and a healthier world.

UW faculty and staff also enjoy outstanding benefits, professional growth opportunities and unique resources in an environment noted for diversity, intellectual excitement, artistic pursuits and natural beauty.

The [Molecular System Information Lab \(MISL\)](#) at the **University of Washington** explores the intersection of information technology and molecular biology using in-silico and wet lab experiments. A collaboration between UW Paul G. Allen School of Computer Science and Engineering and [Microsoft Research](#), MISL brings together faculty, students, and research scientists with expertise in computer architecture, programming languages, synthetic biology, and biochemistry.

Our team is seeking motivated individuals who can collaborate across multiple STEM disciplines to develop **molecular tagging technology**. The ideal candidates should have PhD degrees in **chemistry** or a related field, have experience in **nanoparticle synthesis, DNA nanotechnology, formulation chemistry**, be proficient in experimental design and analysis, and have a proven track record of success working in a fast-paced environment.

As a UW employee, you will enjoy generous benefits and work/life programs. For a complete description of our benefits for this position, please visit [our website](#).

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 Labor Relations website ([UAW Contract](#)).

In compliance with regulations at University of Washington, cumulative length of postdoctoral appointment may not exceed 5 years, including postdoctoral experience(s) at other institutions.

Minimum requirements

- PhD in **chemistry, biomedical engineering, materials science**, or a related field. Master's degree candidates with exceptional qualifications may be considered.
- 4+ years of related laboratory experience in a professional or academic setting.

Additional qualifications

- Research ability demonstrated by journal and conference publications and/or preprints.
- Previous experience in **nanoparticle synthesis and/or biological preservation**.
- Previous experience in **food and formulation chemistry**.
- Previous experience with manipulating DNA with PCR, gel imaging, ligation, etc.
- Excellent verbal, written and interpersonal skills, with an interest in collaborative work.
- Demonstrated problem-solving skills, strong detail orientation and ability to adeptly manage multiple deadline dependent priorities.
- Familiarity with data analysis skills. (fluency in scientific programming and data visualization is a plus).
- Self-motivated, enthusiastic, and driven to grow.