

PNNL seeks Computational Metabolomics Team Leader for BIOLOGICAL SCIENCES

Lead a scientific research team of principal investigators, staff scientists, and postgraduates and build research programs.

Lead, manage, and extend science strategy at Pacific Northwest National Laboratory (PNNL) as a Team Leader for Computational Metabolomics, part of the Computational Biology group within the **Earth and Biological Sciences Directorate** (EBSD) and its **Biological Sciences** focus area. You will lead research efforts to transform the utility of mass spectrometry for molecular measurements of biological systems and to accelerate our laboratory's goal of reducing reliance on authentic reference material for the purpose of small molecule identification in complex samples.

The Computational Biology group is an integral component of the Biological Sciences Division and works closely with Integrative Omics and Biological Systems Science research groups, as well as groups in the areas of applied mathematics, computer science, and statistics.

As a scientific research leader and manager, you will lead research efforts and contribute to the vision and strategic direction of computational metabolomics research at PNNL, assist with recruiting and developing staff, collaborate on multi-disciplinary and multi-institutional teams, and help build and demonstrate PNNL's technical capability and





reputation in metabolomics and computational chemistry. The ideal candidate will have experience with computational small molecule identification applications using machine learning (including AI and deep learning), quantum chemical calculations, cheminformatics, advanced statistical methods, and other computational methods, and bringing these together for national security, human health, environmental exposure, and chemical forensics fields. The successful candidate will also participate in a line management role for a team of research staff who apply computational chemistry, cheminformatics, and software engineering to advance molecular identification and quantification across proteomics, metabolomics, and lipidomics technologies.

Read the full job description online at <https://careers.pnnl.gov/JobOpeningId=312352> — Reference Job ID: 312352.

For more information, please contact:

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Direct and support critical laboratory areas such as:

 STRATEGY Influence scientific research directions for EBSD and PNNL.	 SCIENCE Advance a dynamic, future-oriented research agenda.	 TECHNOLOGY Combine research data with models using cutting-edge computational systems.	 SENIOR LEADERSHIP Collaborate with partners in scientific methodology and discovery.
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