Pacific Northwest National Laboratory (PNNL) is a world-class research institution powered by a highly educated, diverse workforce committed to the values of Integrity, Creativity, Collaboration, Impact, and Courage. Every year, scores of dynamic, driven people come to PNNL to work with renowned researchers on meaningful science, innovations and outcomes for the U.S. Department of Energy and other sponsors; here is your chance to be one of them!

At PNNL, you will find an exciting research environment and excellent benefits including health insurance, flexible work schedules and telework options. PNNL is located in eastern Washington State—the dry side of Washington known for its stellar outdoor recreation and affordable cost of living. The Lab’s campus is only a 45-minute flight (or ~3 hour drive) from Seattle or Portland, and is serviced by the convenient PSC airport, connected to 8 major hubs.

The Computational Biology Group at the Pacific Northwest National Laboratory (PNNL) is seeking a Metabolomics Systems Computational Scientist to join our team and lead in the development of new research proposals with strong expertise in computational biology including modeling of complex chemical processes in microbes and microbial communities; biophysics and predictive biology; and software development.

The Metabolomic Systems Computational Scientist will contribute to diverse fundamental science research programs studying DOE relevant systems for biofuels/bioproducts, organism/microbial and human health problems such as cancer and infectious diseases. The candidate will be responsible for computational and data science method development, and work directly in interdisciplinary teams including chemists, bioinformaticians, computer scientists, data scientists and software developers. The position involves working with advanced computing platforms, developing new algorithms, applying statistical analysis, and data integration methods that will be used to develop models to account for complex interactions between biosystems and their associated metabolites. The incumbent will define and carry out the application of existing methodologies, as well as perform original research in the field of computational biology. In addition to technical research, the incumbent will lead and participate in publishing, project leadership, and business development.

Minimum Qualifications:

- BS/BA with 5 years of experience
- MS/MA with 3 years of experience
- PhD with 1 year of experience

Preferred Qualifications:

- Experience with metabolic modeling in bacteria
- Use of data (multi-omics and/or phenotypic data) to constrain metabolic models
- Analysis of microbiome data to inform community metabolic models
- Development of novel algorithms for metabolic analysis and modeling
- Dynamic and/or population-based models for microbiome modeling
- Familiarity with coding and software development best practices and high performance computing
For more information and/or to apply, please visit: https://careers.pnnl.gov/jobs?keywords=4084&sortBy=relevance&page=1

Questions? Please contact Kim Willer at kimberly.willer@pnnl.gov