

PharmaBionics is leveraging high-resolution multi-omics analytics to identify and leverage key microbiome-driven pathways to solve pharmaceutical discovery and development challenges and address unmet patient need through safer and more efficacious clinical care. To realize its mission, **PharmaBionics** seeks a highly driven

Head of Computational Biology & Biostatistics

to join its leadership team.

POSITION SUMMARY

The successful candidate will implement **PharmaBionics'** informatics strategy, closely coordinating internal and external resources to design and integrate multi-omics data pipelines, construct data analytics suites incorporating the highest statistical rigor, and leverage data toward translational insights for druggable target and preventive marker discovery. The candidate must be adaptable, innovative, collaborative and thrive in high complexity multi-project environments, with the ability to engage multidisciplinary teams to maximize value creation.

TASKS & RESPONSIBILITIES

- Conceptualize and manage implementation of cutting edge computational solutions for analyzing microbiome and related biomedical data to identify biomarkers and novel therapeutic targets;
- Source and effectively direct external service providers and collaborators, including software engineers, to deliver robust and efficient data pipelines;
- Provide innovative scientific leadership and cultivate in-depth knowledge of and connectivity with emerging advances in the microbiome and multi-omics data analysis space;
- Engage with internal and external stakeholders to advance **PharmaBionics'** mission.

REQUIRED BACKGROUND

- PhD in Bioinformatics, Biostatistics, Computational Biology, or equivalent preparation and experience;
- Minimum of 5 years' relevant experience, including leadership of interdisciplinary teams;
- A track record of productivity working with complex genomic or metabolomic data;
- Good understanding of the statistical challenges inherent to compositional data and high dimensional data sets;
- Deep understanding of gene, protein and functional pathway detection and annotation methods and ability to extract actionable biologic information from omics data;
- History of success working in dynamic multi-disciplinary teams;
- Expertise in classification and prediction modelling (e.g. random forest, SVM, neural networks);
- Skilled in the use of scripting languages (e.g. C++, Python, Perl) and/or analytical languages (e.g. R, Matlab).

PREFERRED BACKGROUND

- Setup and management of cloud-based computing solutions;
- Experience in visualization of biological data;
- Exposure to relational database management;
- Excellent oral and written communication skills;
- Clinical trial design.

If interested in this exciting opportunity, please contact info@pharmabionics.com.