Scientist – Proteomic Bioinformatics Lead

For more information, contact Woong Kim (wkim@alkahest.com)

Uniquely positioned to enhance quality of life in aging, we are pioneering science that is rapidly being translated to the clinic. Our approaches utilize in vivo, proteomic, and molecular techniques to identify therapeutics and apply them to patients. We are seeking a highly motivated and driven scientist who will be key in advancing our preclinical scientific activities. The role will be to establish cutting edge design and analysis of complex datasets - advising, assisting and leading statistical, data analysis, and informatics aspects of the setup, evaluation, and interpretation of large scale proteomics/biomarker and other biological studies. The role is critical in assisting the scientific team in advancing our therapeutic understandings. The studies performed will involve cutting edge science and require innovative concepts and strategies and are pivotal to the company’s mission. The role requires dedication to drive science, flexibility, excellent communication and organization, and will interact with a team of scientists and research associates to drive multiple projects in parallel. We offer a competitive compensation package.

Responsibilities

- Serve as the key informatics and statistics leader for Alkahest research
- Innovate to make fundamental discoveries from cutting edge big data
- Assist in the statistical design of large biomarker and other proteomics research studies, including power analysis for replication estimation
- Develop optimal workflows, scripts and software tools, and apply them to analyze large scale proteomics and other omics datasets
- Develop and apply data analysis tools specifically for mass spectrometry-generated proteomic data
- Assist in interpretation of analyzed data including pathway analysis, development of novel analysis methodology and visualizations
- Apply computational tools to mine both public and proprietary databases
- Manage datasets in file servers and ensure appropriate backups
- Ensure completeness, correctness and integrity of analyses and datasets

Requirements

- Ph.D. in Biostatistics, Bioinformatics, Computational biology or related field
- Significant experience (4+ years) working with multiple types of large scale omic data
- Strong background in statistics, including specifically for large omics datasets
- Solid knowledge of bioinformatics principles, tools, and databases
- Programming/scripting skills in languages such as Python, Perl, or R
- Strong team spirit but also ability to work independently
- Creativity, ability to think outside-of-the-box
- Attention to detail, good communication skills
- Experience with mass spectrometry data analysis is a plus