Data Scientist / Computational Biologist

Looking for a challenge involving immuno-oncology and high dimensional imaging? Ionpath, a venture-backed commercial stage startup, is seeking a data scientist / computational biologist to design experiments, develop analyses and answer complex biological questions using our Multiplexed Ion Beam Imaging (MIBI) platform.

MIBI, a technique for measuring protein expression in tissue, offers a substantial increase in multiplexing ability over previous technologies, as well as high resolution and 3D imaging. In order for researchers and clinicians to fully leverage these advances, we need your help developing robust tools that enable both internal and external users. By combining your passion for working with biological data with the rigorous statistical methods and robust software development skills in your toolbox, you will contribute to this technology's potential to transform oncology, immunology and neuroscience. This position is an opportunity to be a core member of a highly collaborative bioinformatics team. You should be a seasoned scientist who loves working with cutting-edge technology, and is able to take initiative and is motivated to solve new problems.

Responsibilities

- Closely collaborate with scientists to design experiments and carry out analyses for internal and external users.
- Monitor data for anomalies, diagnose root causes, and implement fixes.
- Develop and apply computer vision and machine learning analyses.
- Analyze and visualize features extracted from images such as protein expression in single-cell data.
- Design and implement interactive visualizations using color transformations and dimensionality reduction.
- Employ software best practices including design documentation, issue tracking and unit testing.

Experience

- Expertise in:
    - Scientific computing in Python.
    - Image processing and visualization.
    - Biological data analysis.
    - Relational databases (e.g. MySQL, Postgres).
- 4+ year degree in science or engineering.
- 5+ years data analysis experience (via combination of advanced degree and/or industry experience).
- Excellent oral and written communication skills.
- Familiarity with immunology, single cell analysis, and/or mass spectrometry is a plus.

For more information, contact informatics-jobs@ionpath.com.