Title: Data Scientist / Bioinformatician

Location: Remote

About Akoya Biosciences, Inc.

Akoya Biosciences, Inc., The Spatial Biology Company™, is a fast-growing company that is developing powerful staining and imaging tools that enable scientists and clinicians to gain a better understanding of complex diseases such as cancer, immune disorders and neurodegenerative disease. Our CODEX® platform can image more than 40 protein targets in a single sample and is ideal for biomarker discovery. Our Phenoptics platform, the industry standard for multiplex immunofluorescence and immunohistochemistry, provides the assay robustness and throughput necessary for translational research studies on large sample numbers. Adoption of our technology by leading academic medical centers and pharmaceutical companies will ensure healthy growth for years to come.

Summary: The Data Scientist / Bioinformatician will participate in development and testing of new analytical pipelines for multiplex imaging data.

Key Responsibilities:

- Understands product scope and analysis requirements.
- Design implement and test new tools for CODEX and Phenoptics data analysis.
- Deploy analytical pipelines in collaboration with wetlab scientists.
- Generate customer-facing analysis content on an ongoing basis.
- May be asked to participate in academic data analysis collaborations.

Required:

- MSc or PhD degree in Bioinformatics, Computer Science, Data Science, Computer Vision, Machine Learning, Statistics or Applied Mathematics.
- Fluency with R, Python, MATLAB or C/C++.
- Image processing and analysis experience.
- Machine Learning, Computer Vision.
- Spatial Point Pattern Analysis, Spatial Statistics.
- Graph Theory, Mathematical Morphology.
- Software design and implementation.
- Strong problem-solving skills.
- Excellent communication and collaboration skills.

Other Skills and Qualifications:

- Experience with biomedical image analysis is a strong plus.
- Ability to organize, prioritize and manage multiple workflows simultaneously.
- Ability to troubleshoot and work independently under pressure.
- Eagerness to grow and a desire to be part of a fast-paced, team-oriented environment.
- Ability to work across multiple scientific disciplines.
- Creative and flexible thinking.