

Title: Image Analysis Scientist
Department: Exploratory Group, Research and Development
Location: Menlo Park, CA

About Akoya Biosciences:

As 'The Spatial Biology Company®', Akoya Biosciences' mission is to bring context to the world of biology and human health through the power of spatial phenotyping. The company offers comprehensive single-cell imaging solutions that allow researchers to phenotype cells with spatial context and visualize how they organize and interact to influence disease progression and treatment response. Akoya offers two distinct solutions, the CODEX® and Phenoptics™ platforms, to serve the diverse needs of researchers across discovery, translational and clinical research.

Position Summary:

We are looking to hire an Image Scientist candidate to join the Exploratory Group within the R&D Department in Menlo Park, CA. This individual will work within a dynamic and fast paced team to develop image analysis strategies for fluorescence microscopy datasets. Experience with C/C++, python and ImageJ are required. Previous experience with fluorescence-based datasets is a must. This role will involve close collaboration with other members of the exploratory team to iterate both the data analysis and experimental strategies. This individual will be required to develop image alignment, quantify datasets and develop data thresholding schemes. Experience with R packages for quantification is desired. The ideal candidate will be able to develop these methodologies independently and communicate the findings to the broader group.

Duties & Responsibilities:

Responsibilities

- Design, implement and test new tools for fluorescence microscopy image data analysis.
- Develop quantitative assessment of fluorescence images using tools such as R studio ImageJ.
- Design and validate image analysis routines to assess data quality and imaging.
- Support team members with appropriate image analysis approaches and train others to perform the analyses.
- Perform batch processing of image analysis strategies
- Work independently toward project objectives and present findings to the group.

Qualifications

- MS with 4+ years of experience or a PhD with at least 1-2 years of experience performing image analysis of tissue sections or cell biology.
- Requires extensive experience with imaging and analysis of fluorescence microscopy datasets.



- Experience with C/C++, python, MATLAB, and/or ImageJ are required.
- Experience working with fluorescence microscopy.
- Experience with spatial statistics, spatial point pattern analysis, graph theory and single cell RNA-seq analysis is beneficial.
- Excellent written and verbal communication skills
- Solid organizational skills including attention to detail and multi-tasking capabilities.

Akoya Biosciences, Inc. proudly affords equal employment opportunity to all qualified persons regardless of race, color, religious creed, national origin, age, military status, sexual orientation, disability, genetic information, gender identity, gender expression or gender unless based upon a bona fide occupational qualification.

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