Position: **Associate Scientist**

Department: **Research & Development (Workflow Group)**

Location: **Menlo Park, CA**

About Akoya:

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.

Job description:

We are looking to hire an Associate Scientist candidate to join the Workflow Development Group within the dynamic and team-oriented R&D Department in Menlo Park, CA. This individual will develop protocols and methodologies to implement key workflows for use with Akoya platforms under the direct supervision of the group lead. Core responsibilities for this individual include designing and executing experiments, analyzing data and presenting conclusions to the broader group, and developing and validating quantitative image analysis routines. A variety of techniques and methodologies will be used, including fluorescence microscopy, DNA-hybridization assays, UV/Vis spectroscopy and others. A successful candidate for this position will have strong computational skills, as well as experience with microfluidics, immunofluorescence and/or immunohistochemistry, or DNA technology development. This candidate would ideally have experience in a multi-disciplinary setting with a proven track record of team collaboration to deliver on a complex technical need.

Responsibilities

- Performing high throughput immunohistochemistry (IHC) and immunofluorescence (IF) staining and imaging of tissue sections.
- Develop workflow procedures for Akoya related platforms.
- Design analytical experiments to measure and quantify biological material and fluid transfer during workflow steps.
- Perform fluorescence microscopy analysis and optimize settings for antibody-stained tissue samples.
- Develop and validate image analysis routines to assess quality of staining and imaging
- Troubleshoot experiment designs for optimization of key parameters.
- Record experimental results of research and development projects in laboratory notebooks and present data during weekly tech meetings.

Qualifications

- B.S./M.S. in biomedical engineering, biological sciences, or related field with at least 2+ years of experience in biotechnology sector.
- Experience with fluorescence microscopy, immunohistochemistry, and immunofluorescence.

- Experience with scripting and developing quantitative image assessments is preferred.
- Familiarity with the following techniques/methodologies: UV/Vis spectroscopy, antibody conjugations, DNA-based hybridization assays, antibody-based assays (IHC, IF, Western blot, ELISA), RNA-based assays.
- Familiarity with the following fields: microfluidics, cancer immunotherapy, microscopy, immunology, and oncology.
- Excellent written and verbal communication skills
- Solid organizational skills including attention to detail and multi-tasking capabilities.
- Demonstrated ability to work on multiple projects with evolving priorities and deadlines.

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.

Apply at: careers@akoyabio.com