



Title: Applications Scientist

Department: Applications

Location: Marlborough, MA

About Akoya Biosciences, Inc.

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.

Summary:

Akoya Biosciences is seeking an experienced immunohistochemistry to join our Applications group in Marlborough, MA, which is responsible for developing new multiplexed immunohistochemistry methods and running both exploratory and validation studies, using Akoya's Phenoptics multiplexed immunofluorescence platform. Phenoptics enables staining of up to 9 colors, utilizing Opal detection reagents and Vectra multispectral imaging instruments, providing unparalleled cell-level and architectural-level tissue analysis capabilities. The Applications group is a dynamic team that engages with important strategic collaborators in academia and in the pharmaceutical industry to help facilitate adoption of the Phenoptics platform and to develop new applications.

The successful candidate must be very familiar with histology, immunohistochemistry, in-situ hybridization technologies, including operating auto-staining equipment. Experience of imaging and image analysis is a plus.

Our Ideal Candidate:

With skills to be a lead Phenoptics applications scientist to support applications development, Akoya pharma services projects, and Akoya R&D, the candidate will bring a minimum of 5-7 years of work experience in a clinical reference lab and/or research labs, performing both conventional immunohistochemistry and immunofluorescence.

Key Responsibilities:

- Ordering and preparing necessary reagents.
- Operating automated slide staining instruments, in particular the Leica BOND Rx, including loading of reagents, tissue specimens, and general maintenance.
- Performing manual staining.
- Optimizing new assay protocols with rapid turnaround times.
- Maintaining necessary inventory, organization, and records for each project.



- Operating microscope imaging systems, including Akoya's Mantra and Vectra Polaris instruments.
- Assessing staining performance based on a deep familiarity of histology, immunohistochemistry (IHC), immunofluorescence, and in situ hybridization using image analysis software, Akoya's Phenochart and inForm software to perform quantitative assessments.
- Reporting assay staining assessments to group leaders and project managers.
- Collaborating and liaising with other functional groups within Akoya to accomplish specific task/team objectives within project timelines, in particular when R&D is relying on Applications for deliverables to meet product development timelines.
- Meeting scheduled completion dates and for providing timely feedback when dates cannot be met.
- Working independently.

Skills and Qualifications:

- Bachelor's Degree with 5-7 years or master's degree with 3-4 years of experience in a Life Sciences field.
- Extensive experience with IHC, IF, or ISH staining, and image analysis.
- Experience in a services-based laboratory such as an academic core lab, pathology services lab, CLIA laboratory, or a microscopy services lab at a cancer center is advantageous.
- Exceptional organizational skills, including lab notebook documentation and operating different inventory management systems.
- Strong written and verbal skills to be able to document and convey project updates.
- Excellent team orientation and interpersonal skills.
- Demonstrated ability to succeed in a fast-paced environment with evolving priorities and deadlines.
- Capable of accomplishing experiments and following priorities and schedules independently.
- Experience of using Vectra, inForm, or other Akoya-based platforms is preferred.

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: Carreers@akoyabio.com