Title: Scientist

Location: Greater Boston Area, MA

About Akoya Biosciences, Inc.

Located in Menlo Park, CA, and Marlborough, MA, Akoya Biosciences, Inc., The Spatial Biology Company™, is a rapidly growing company with industry leading technologies for tissue staining, imaging and analysis and provides spatial biology solutions to the translational and clinical research market. Akoya's Phenoptics platform is a mature, analytically robust, and clinically relevant technology platform (Phenoptics™) that provides unparalleled cellular/tissue imaging capabilities necessary for translational and clinical research required in clinical trials. Leading academic medical centers and pharmaceutical companies, as well as close collaborative relationships with top-tier KOLs, leverage the Phenoptics platform in clinical/translational research studies, including in the discovery and clinical validation of predictive biomarker signatures.

Job Description

Akoya is seeking a highly motivated Scientist to conduct translational research in immuno-oncology in support of developing applications using the Phenoptics platform for biomarker discovery and validation. This role represents a unique opportunity to work at the intersection of an innovative company and prestigious cancer research institute. This individual's initial responsibility will be to serve as a key participant and driver supporting the company's formal partnership with a Boston-based cancer research institute focusing on the development, validation, and continued improvement of multiplexed immunofluorescence for use in clinical immunotherapies determination. This individual will 1.) Lead efforts to develop and validate spatial biomarker predictive signatures for I/O leveraging previously gathered data; 2.) Contribute to research studies seeking to optimize a clinically relevant workflow for implementing the Phenoptics platform; and 3.) Conduct studies to evaluate pre-commercial Akoya reagents and software in a translational research setting.

Essential Duties and Responsibilities

- Significant initial onsite presence (1-2 years) at a key Boston collaborator to support translational research leveraging the Phenoptics workflow.
- Perform routine immunohistochemistry (IHC) and immunofluorescence (IF) staining on fixed tissue sections manually or on an automated IHC stainer.
- Perform data analysis on multiplexed immunofluorescence images and identify and validate clinically relevant predictive signatures.
- Contribute to experimental design, planning, and scientific execution of research projects.
- General laboratory work including sample/reagent preparation and equipment maintenance.
- Collaborate with team members and other project staff to accomplish specific tasks and team objectives within project timelines.
- Write manuscripts, abstracts, and other documents to support the presentation of experimental results in peer-reviewed journals, at scientific conferences, and other forums.

Education

- MS in Biology, Molecular Biology, Cancer Biology, Pathology or related fields required. Ph.D. with post-doctoral experience preferred.

Qualifications/Skills

- 4+ years' experience in tissue-based imaging, staining, and data analysis. Experience with Phenoptics workflow and autostaining a plus.
- Hands-on experience and a fundamental understanding of immunohistochemistry/ immunofluorescence is required.
- Highly organized with solid attention to detail, in conjunction with excellent information and time management skills.
- Strong interpersonal skills and the ability to work as part of a larger team as well as independently.
- Must possess the ability to generate manuscripts, abstracts, posters, and other documents to support the publication of results.
- A thorough understanding of scientific experimental design, hypothesis testing, and the ability to perform and troubleshoot experiments.
- Strong written, oral, and presentation skills with an ability to communicate amongst a diverse group of professionals.
- Highly adaptable and able to work in a fast-paced environment.