Title: **Image Analysis Team Lead**

Department: **Lab Services**

Location: **Marlborough, MA**

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:

Akoya is seeking an experienced image analysis scientist and manager/supervisor to join our Phenoptics Contract Research Services (CRS) as the Image Analysis team lead located in Marlborough, MA. Akoya enables staining with up to eight antibodies utilizing our OPAL™ technology to provide high-throughput multiplexed immunofluorescence analysis of tissue sections. Phenoptics CRS is a dynamic team that develops multiplex OPAL™ panels for clients, then performs staining, multispectral imaging, and quantitative analysis of their samples. The CRS Image Analysis team focuses on imaging and image analysis of stained slides.

The successful candidate will be knowledgeable about quantitative image analysis of tissue sections, including understanding of IHC/IF staining methods and image analysis techniques. The candidate will have excellent time management and organizational skills to manage analysis projects and oversee the team to achieve project goals and meet deadlines in a fast-paced environment. The candidate will have strong leadership and multitasking skills and be collaborative, while also having strong computational skills and the ability to attain a full understanding of the Phenoptics end-to-end workflow.

Duties & Responsibilities:

- Play a lead role in planning, executing, and monitoring image analysis projects including time management to meet strict deadlines.
- Be a leader for the image analysis team and a resource for the group as an expert.
- Support team members with organizing and designing projects and an appropriate analysis approach.
- Reviewing of analysis algorithms and results along with sign off responsibility.
- Quantitative and visual assessment of staining and working with CRS lab group to address concerns/issues in a timely manner.
- Train team members on image acquisition using the Vectra Polaris imaging system, inForm analysis and Phenochart software, and R packages for data consolidation and reporting of statistics and spatial metrics.
- Ability to train algorithms and perform image analysis using inForm® and other external programming languages.
- Ability to run R scripts and packages; some scripting experience is desirable.

- Supervising all image analysis related tasks and responsibilities of Akoya's CLIA certified tests as well as collaborating with Quality Management.
- Demonstrate proactive and original thinking in execution of tasks involved with all projects.
- Exhibit excellent interpersonal and communication skills, both oral and written.
- Interface with clients to discuss image analysis plan, results, and data.
- Writing and reviewing SOPs.

Skills & Requirements

- MS with 10+ years of experience or a PhD with 5+ years of experience performing image analysis of tissue sections.
- At least 1+ year of experience in a supervisor/management role.
- Requires extensive experience with imaging and analysis of stained slides, experience with IHC and IF staining is desirable.
- Experience using VECTRA® and/or inForm® preferred, as well as programming experience in either R or MATLAB®.
- Demonstrated ability to succeed in a fast-paced environment with evolving priorities and deadlines.
- Strong leadership skills and problem-solving ability.
- Excellent written, verbal, and presentation skills with an ability to integrate clinical perspectives.
- Excellent team orientation and interpersonal skills.
- Highly organized with attention to details and excellent information management, time management, and organization skills.
- Digital workflow experience is desirable.
- Experience in a service lab such as an academic core lab, pathology services lab, or a microscopy services lab at a cancer center is advantageous.

Apply at: careers@akoyabio.com