

Title: Electrical Engineer
Department: Research & Development
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 Biosciences is looking for an Electrical Engineer to join our R&D/Sustaining team. Akoya's R&D group develops automated laboratory imaging instrumentation, liquid handling systems, software, and reagents that support fluorescent tissue pathology applications and biomarker discovery. This position will play a critical role in the support and development of new and on-market imaging and liquid handling systems. The candidate will become an expert in new and existing PCB and cable design and functionality. The Marlborough campus has implemented a quality system and development process that are compliant with ISO-13485 and recently received ISO-13485 certification. The Electrical Engineer will be expected to participate in and adhere to ISO-13485 practices.

Duties & Responsibilities:

- Support/assist the electrical analysis, design, implementation, and verification of PCBs and cables used in new and on-market imaging and liquid handling instrumentation devices.
- Ensure electrical design and documentation that complies with IEC 61010 safety standards and EMC/EMI standards.
- Create documentation adhering to quality procedures, regulations, standards and industry best practices under design control.
- Support the transfer of new designs into Manufacturing.
- Perform system and PCB level root cause analysis and suggest solutions to the broader team.
- Execute component, module, and integration testing.
- Perform troubleshooting activities and work with other engineers to insure product functionality.
- Work effectively in cross-functional teams consisting of R&D, Engineering, Manufacturing, Design Transfer, and Tech Support.

Skills & Requirements

- Degree in Electrical Engineering (BSEE or higher)

- 5+ years of hands-on design experience in analog and digital design for circuit design and board layout.
- Familiarity with IEC 61010 (Electrical Safety), IEC 61326, and IEC 60601 (Medical Safety and Performance)
- Must have experience integrating, testing, and verifying complex electrical systems.
- ISO-9001 or ISO-13485 experience
- Must have working experience with schematic capture, layout (PADS preferred) and PCBA functional testing.

Apply at: careers@akoyabio.com