

Position: Electrical Engineer

About us: We are a VC-funded, commercial stage startup based on Stanford University technology developing MIBI (multiplexed ion beam imaging), an extremely cool technology for measuring protein expression in tissue samples. Compared to existing technology, we offer a huge increase in simultaneous targets as well as higher resolution and the possibility of 3D imaging. Researchers and clinicians can use MIBI to provide new insights into disease pathogenesis. Read more here:

<https://www.ncbi.nlm.nih.gov/pubmed/24584119> MIBI is exciting because it involves biology, vacuum, high voltage, ion beams, time of flight mass spectrometry, signal processing, imaging, and motion control.

About you: You are an electrical engineer. You have designed a lot of electronics for analytical instruments and put them into production. You thrive in a startup environment where you get to work with really smart people from a wide variety of disciplines, and are willing to help figure out the design and specifications. You will follow appropriate structure and best practices, because you understand the value and you've done it before.

Job Responsibilities:

- Design of medium to complex electronic circuits and systems.
- Determine electronic architecture for medium complex systems.
- Create engineering specifications that meet product requirements along with a functional test plans to verify the design.
- Document electronics including generating schematics, assembly drawings, procedures, timing diagrams and operational descriptions.
- Integrate Vacuum and High Voltage controls.
- Design using best practices including design for manufacture (DFM), design for service (DFS).

Experience:

- 5 years of design and development experience in:
Circuit design, especially mixed-signal and sensor interface
PCBA design
- Designing to meet Regulatory Requirements (Safety, EMC)
- Proficient with ECAD and circuit modeling; Altium experience preferred.
- Ability to create and adhere to project schedules.
- Strong verbal and written communication skills.
- High voltage, vacuum, PLC experience a plus.

Education: BS in Electrical Engineering

For more information or to apply, please contact hire@ionpath.com