



960 O'Brien Drive
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www.ionpath.com

Position: Senior Mechanical Engineer

About us: Ionpath is hiring a Senior Mechanical Engineer to contribute to all aspects of our Multiplexed Ion Beam Imaging (MIBI) system. We are a venture-backed commercial stage startup with a unique mass spectrometry technology that measures protein expression in tissue samples. Compared to conventional tissue imaging methods, we offer a substantial increase in multiplexing as well as high resolution and 3D imaging. MIBI's capabilities enable researchers and clinicians to generate insights into a wide variety of biomedical applications including oncology, immunology and neuroscience.

About you: You are a Senior Mechanical Engineer. You have led the design effort on multiple medical instrumentation or capital equipment and transferred it 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 like an environment where you can move fast without a lot of external requirements, because you are capable of putting in place appropriate structure and following best practices independently.

Job Responsibilities:

- In depth knowledge of mechanical principles and applications. Conceive, design, build, and evaluate a range of mechanical designs.
- Develop designs using best practices including design for manufacture (DFM) and design for service (DFS).
- Create documentation including mechanical drawings, BOM's, assembly drawings, assembly procedures, test plans, and test reports.
- Source and procure prototype parts and components.
- Support the transfer to production by organizing and releasing all design documents.
- Debug functionality and reliability and iterate design to correct issues
- Transfer engineering assembly methods to manufacturing contractor in preparation for production.

Experience:

- Fifteen years of design and development experience in:
 - Mechanism Design
 - Actuators, electric and pneumatic
 - Machined plastic and metal components
 - Sheet metal/welded components
 - Electrical connectors, cables, flex circuit layout
- Experience designing sub-systems for use with high voltage and high vac highly desirable.
- Proficient with 3D CAD modeling; SolidWorks experience required.
- Experience using PDM packages required.
- Excellent drafting skills with good knowledge of GD&T standards.
- Strong verbal and written communication skills.

Education: BS or MS in Mechanical Engineering

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