Mechanical Engineer—KRC412d

Job Info

Job ID: KRC412d
Job Title: Mechanical Engineer
Company: Kinetic River Corp.
Location: Mountain View
Job Type: Full-time (can transition from part-time by arrangement)
Experience: Entry-level
Status: Active

Job Description

The Mechanical Engineer will work with and report to the President. The purpose of the position is to handle laboratory tasks necessary for production of the Company's cell analyzer products and for research and development in related technologies. The main functions of the job concern production and research and development activities, including but not limited to:

- CAD model generation;
- optical system design, assembly, and alignment;
- optical, optomechanical, and fluidic prototyping and assembly;
- electronic breadboard assembly and testing;
- test & measurement equipment installation, integration, and troubleshooting;
- setup, interfacing, and evaluation of lasers and electromechanical, fluidic, and pneumatic components;
- execution of experimental and production tests;
- documentation of test findings and procedures;
- search, specification analysis, and sourcing of components and devices;
- maintenance and organization of laboratory equipment and supplies.

The successful candidate will be a quick learner, self-starter, motivated individual with a technical background and an interest in the life sciences. Training will be provided on the Company’s technologies and product designs. The position will provide the candidate with a unique opportunity to learn deeply and hands-on, to work closely with an award-winning inventor, and to have a direct impact on an innovative company dedicated to advancing biomedical research.

Experience:

- **required**: CAD modeling (AutoCAD or SolidWorks); hands-on laboratory projects; basic electronics (soldering, breadboard prototyping, circuit diagrams); basic optics (free-space beam propagation, lenses, thin-film filters)
- **desired**: fluorescence; light scattering; mixed-signal circuit design; flow cytometry; microfluidics; LabVIEW coding (instrument communication and control, data acquisition, data analysis)

Education Required:

- BS or MS in Mechanical, Optical, or Electrical Engineering; Physics or Applied Physics; or related fields

Contact Details

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