

Job N026: Fluidics Systems Engineer

Newomics Inc., a venture-backed and NIH-funded biotechnology startup company in the San Francisco Bay Area, develops and commercializes enabling platforms and solutions for precision medicine. Newomics has unique infrastructure and resources to make major contributions to personalized healthcare. For more information, visit www.newomics.com.

Newomics has an immediate opening for a full-time Fluidics Systems Engineer position. Outstanding candidates will be considered at the Senior Engineer level. Newomics will provide a comprehensive compensation package including salary, equity, bonus, and benefits such as PTO, medical/dental/vision and 401(k) plan etc.

Responsibilities

- Design, build, assemble, and test robust fluidic and microfluidic systems for biomedical applications
- Perform simulations and experiments for system evaluation and characterization
- Explore new technologies and create solutions to improve current fluidic systems
- Develop interfaces and integrated modules from product perspective
- Establish requirements for rapid prototyping and mass production
- Analyze data and generate SOPs
- Work with product and R&D teams and external collaborators
- Perform general lab and instrument maintenance

Qualifications

- MS or PhD degree in Mechanical Engineering, Bioengineering, Systems Engineering, Chemical Engineering or a related field
- Minimum of 2+ years of industrial experience in product development and manufacture of bio-microfluidic consumables
- Hands-on experience with designing fluidic systems, including implementation of automatic fluidic control with pumps and valves as well as an imaging system.
- Demonstrated experience in bioengineering or biochemistry including cell culture, separation and sorting
- A good understanding of the theory of fluid mechanics
- Proficiency in mechanical design using SolidWorks
- Experience in manufacturing approaches for both prototyping and mass production
- Proficiency in fluidic simulation and instrument control software (e.g., COMSOL, LabView, or MATLAB)
- Experience in electronics and optics is a plus
- Highly motivated, a team player, a quick learner, and a problem solver
- Excellent oral and written communication skills
- Ability to work in a fast-paced startup environment
- Eligibility to work in the United States

To apply

Please send a cover letter, a resume, and contact information for three references, to jobs@newomics.com.