



Title: R&D Scientist/Researcher in Microbiome

Location: Cambridge, MA

www.fluid-screen.com

Company

Fluid-Screen, Inc. (FSI) is an award-winning early-stage company based in Cambridge, MA. FSI has developed a microchip to replace the Petri dish in order to bring microbiology testing into the 21st century: drastically reducing testing times from days to minutes. The company specializes in applying cutting edge microelectronic technology to develop rapid microbiology testing solutions for a range of industries including water testing, pharmaceutical manufacturing, and medical diagnostics.

Fluid Screen's lab-on-a-chip system detects bacteria in water, blood, or urine with a sensitivity of a single bacterium in just 30 minutes, compared to a day or more for alternative technologies. The patented technology and the team have been recognized with the Grand Prize in the Create the Future NASA Design contest (#1 out of 900 entrants worldwide), a Gold Prize in the Mass Challenge (top 1% of contenders), and ten other awards. The research results have been published in top-rated peer reviewed journals, including *Nature*.

We are developing a bacterial detection chip for use in sterile manufacturing processes. The successful candidate will advance the Fluid-Screen brand among pharmaceutical and other sterile manufacturing companies looking to upgrade their bacterial detection technology. The R&D Scientist/Researcher in Microbiome will work with other members of the lab team to help guide ongoing product definition, planning, and improvement. The role also presents many chances to interact with our interdisciplinary team.

Position

Do you envision yourself solving some of the world's most important problems? Do you thrive in a high growth, fast paced environment? If so, then this is the opportunity for you. Fluid-Screen is seeking a R&D Scientist/Researcher in Microbiome to join the team full-time in our Cambridge incubator space ([LabCentral](#)). The role requires an individual who possesses ingenuity, lives for challenges and enjoys building systems from the ground up. For those with existing pharmaceutical QA and medical device experience, the sky is the limit.

Experience and skills:

The R&D Scientist/Researcher in Microbiome will:

- perform proof of concept and validation experiments using the Fluid-Screen technology
- participate in R&D activities in microfluidic design and optimization
- lead R&D and client projects integrating Microbiome, optical analysis, and microbiology
- troubleshoot complex engineering and biological problems

- compile and analyze experimental data
- draft internal and client reports
- present data, findings, and updates internally and to clients
- serve as a technical resource for junior staff

Qualifications for the R&D Scientist/Researcher in Microbiome are:

- MS in biomedical engineering or a related science or engineering discipline plus at least three (3) years of industry experience or PhD in biomedical engineering or a related science or engineering discipline plus at least one (1) year of industry experience
- Experience working with microfluidic system design and optimization required
- Bacterial microbiology experience preferred
- Mammalian cell culture experience preferred
- Medical device R&D experience and FDA/regulatory experience for medical devices preferred

Personal Qualities:

-Independent self-starter who delivers results.

-Strong communication skills. This is a must. It is essential for our interdisciplinary and interdependent team to communicate effectively, whether working onsite or remotely, and whether dealing internally or with outside partners, vendors, and customers.

-Ambition. This is a high impact opportunity with the potential to shape the growth of our company and bring brand new technology to market. Long term financial rewards will reflect our company's ability to execute on the promise of our core technologies.

-Comfortable in fast-paced environments. Must be able to meet committed deadlines.

-Driven by the mission. Fluid-Screen was developed to make a difference in the world.

-Flexible. This is an early stage company—challenges and responsibilities are constantly changing.

-Adaptable. Willing to apply expertise broadly—no task is too big or small. No potential solution is unthinkable.

Culture:

Fluid-Screen is a multi-disciplinary, tight-knit group looking to add an enthusiastic member number nine to our team. We are passionate about our work as we truly believe it will make a difference in the world. This position should be an exciting opportunity for personal growth!

Interested? Please contact us via email.

Email: jobs@fluid-screen.com

Subject: R&D Scientist/Researcher in Microbiome

Please include a CV as well as your compensation expectations.