

Job Opportunities at the Foundation for Applied Molecular Evolution

Title	Senior/Staff Scientist - Bioengineer
Country	United States
State	Florida
City	Alachua/Gainesville
Job Level	Experienced Professional

Job Description

We are seeking a talented and driven biological engineer able to adapt nanofluidic devices to make artificial cells that can be used for protein engineering, to analyze complex genomic mixtures, and in diagnostics. Successful candidates will join a dynamic interdisciplinary team that has already generated new technologies in these areas, including tools for "Next Generation" DNA sequencing, artificially evolving chemical systems, devices for point-of-sampling diagnostics, and DNA synthesis. Activities are supported by a broad range of public and private funding, licensing, and commercial sales. Further, for postdoctoral fellows interested in academic futures, successful candidates will have early opportunities to be co-Principal Investigators on external grants and contracts.

Salary is commensurate with experience.

Tasks and Responsibilities:

- Design and put together devices that create millions or billions of water droplets embedded in oil, observe them spectroscopically, collect them, and analyze their contents.
- Combine these home-built devices with various commercial devices used in nanotechnology, including cell sorters, plate readers, and robotic samplers.
- Plan, execute and analyze various laboratory experiments that use these to do directed evolution of enzymes.
- Interact with biochemists, molecular biologists, protein engineers, engineers, and clinical specialists to create organic molecules that they will use.
- Participate in fund raising activities, including as appropriate leading these efforts.

Analogous tasks and responsibilities may become part of the job portfolio as opportunities arise and change.

Preferred Background:

- A MS, PhD or equivalent in an appropriate field of engineering (e.g. mechanical engineering, bioengineering, robotics).
- Several years of hands-on experience in the construction of devices.
- Several years of experience leading scientific teams and meeting deadlines in a fast-paced environment.
- Sound understanding of the latest in nanotechnology.
- Good communication skills.

EOE/Minorities/Females/Vet/Disability

Send Curriculum vitae, including contact information for yourself and three references, to: resumes@ffame.org.