

## Job Opportunities at the Foundation for Applied Molecular Evolution

Title	Senior/Staff Scientist – Materials Chemist
Country	United States
State	Florida
City	Alachua/Gainesville
Job Level	Experienced Professional

### Job Description

We are seeking a talented and driven materials chemist able to create molecular emulsifiers, surfactants, and other hydrophobes, including fluorine-containing species, to use these to create artificial cells in the form of water droplets emulsified in oils. These artificial cells will 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 molecular emulsifiers, surfactants, and other hydrophobes, including fluorine-containing species, that might allow water droplets to disperse in oils to create artificial cells in the form of water droplets.
- Synthesize the emulsifiers of the design using synthetic organic chemistry.
- Analyze the emulsion that are created, and use this analysis to engage in a new design-synthesize-test cycle.
- 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 chemistry.
- Several years of hands-on experience in the synthesis of emulsifiers and surfactants, and the analysis of emulsions.
- 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