

## Metabolite Profiling Core Facility Manager/Director

The Metabolite Profiling Core Facility at Whitehead Institute for Biomedical Research is seeking an enthusiastic and motivated individual who is interested in supporting metabolism-based research projects in a variety of experimental models through the use of high-resolution, accurate-mass, liquid chromatography mass spectrometry.

The Whitehead Institute is a leading, nonprofit research and educational institution that has defined the cutting edge of biomedical science, creating a legacy of research excellence and academic eminence since 1982. Wholly independent in its governance, finances and research programs, Whitehead shares a teaching affiliation with Massachusetts Institute of Technology (MIT), offering the intellectual, collegial and scientific benefits of a leading research university. Whitehead's Faculty Members and Fellows run pioneering programs in cancer research, immunology, developmental biology, stem cell research, regenerative medicine, genetics and genomics—programs with a record of success. Whitehead Institute is an Equal Opportunity Employer.

**We offer excellent benefits including a choice of health insurance options; a generous retirement plan; comprehensive dental, disability and life insurance coverage; competitive salary, substantial vacation and holiday time; and programs for tuition reimbursement, dependent care assistance, pre-tax spending accounts, and subsidized public transportation or parking.**

**CLASSIFICATION:** Exempt: Research Staff

**REPORTS TO:** Principal Investigator

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### **OVERALL RESPONSIBILITY**

The successful candidate will oversee the operation of a state-of-the-art facility consisting of targeted and untargeted metabolomics and lipidomics platforms using high-resolution, accurate-mass, liquid chromatography mass spectrometry (LC/MS). His/her major responsibility will be to collaborate with researchers at Whitehead, MIT, and external institutions in developing and applying LC/MS-based metabolomic/lipidomic experiments to advance their research projects. This responsibility will include consulting on experimental design, analyzing and interpreting metabolomic/lipidomic data, and developing new LC/MS-based assays as projects dictate. The successful candidate will also participate in grant writing and manuscript preparation, as well as supervising three research assistants.

### **QUALIFICATIONS**

- BS or MS in Biology, Biochemistry, Analytical Chemistry, or related field, PhD preferred
- At least 6 - 8 years research experience required, preferably in a biological/ biomedical setting
- Must have experience with mass spectrometry, analytical chemistry, and/or metabolomics
- Experience with lipidomics strongly preferred
- Working knowledge of Orbitrap systems and accompanying software a plus
- An understanding of the use of stable isotopes in tracing experiments will be helpful
- A broad knowledge of open-source, high-resolution, accurate-mass data analysis software a plus
- Supervisory experience

Interested candidates can submit a resume to [resumes@wi.mit.edu](mailto:resumes@wi.mit.edu)

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