

## **Post Doc Analytical Chemistry- at Genzyme/Sanofi**

### **Description:**

#### **Job Responsibilities/Department Description:**

Biomarkers Discovery group in the Analytical R&D department in Waltham is looking for an Analytical Chemist for a Post Doctoral position to contribute to metabolic profiling efforts and to establishment of the in-house metabolomics platform. A successful candidate will develop new methodology for Global LC-MS profiling of biological samples (simultaneous comparative analysis of up to 30,000 of endogenous biomolecules), and identify those modulated consistently with phenotypic changes using sophisticated statistical software. Then working with internal and external data bases this individual would have to attempt identification of the potential biomarkers, and conduct biomarker validation studies. Part of this job responsibilities will include analysis of the affected metabolic pathways and reporting the data to the customers (project teams). This researcher will also participate in the work of our metabolomics team by contributing in development of internal biomarkers data base, and metabolomics data processing software, including collaborating with instrument/software vendors.

#### **Basic Qualifications:**

PhD in Analytical Chemistry or Bioanalytical chemistry, Experience must include work with LC-High Resolution Accurate Mass Spectrometry Orbitrap Class, identification and targeted LC-MS/MS analysis of small endogenous biomolecules. A successful candidate should have experience with development and qualification of bioanalytical LC-MS methods.

#### **Preferred Qualifications:**

Experience with metabolomics and lipidomics, including biological samples preparation, separation methods, and data processing tools including working with data bases and statistical analysis is preferred along with effective oral and written communication skills.