

Genzyme Corporation, ranked as one of the foremost biotechnology companies in the world, is committed to providing an exceptional environment in which individuals can excel, and achieve their professional and personal goals. Genzyme's people and culture have been consistently recognized for excellence. For example, we have been named several times to Fortune's list of the 100 Best Companies to Work For in the United States. We also consistently rank among the top employers for scientists in surveys of Science readers. Genzyme's local offices and facilities in Europe and other parts of the world have earned similar distinction as respected employers. By applying for a position with Genzyme, you are taking the first step toward becoming a part of our dynamic and talented team, and sharing in our continued success.

## **Title: Process Engineer I**

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

The Bioprocess Engineering department develops and uses advanced systems, sensors, and process technologies to enable Genzyme to better understand, monitor, control, and plan its manufacturing operations. This group is highly cross functional in its interactions across research and manufacturing and provides scientific, technical, engineering expertise to these organizations. The position will support manufacturing and other internal groups with development and implementation of new methodologies and technologies for improved process understanding and robust control strategies. The incumbent will ensure that the highest standards of safety and environmental compliance are maintained in the workplace; and operate under the regulatory requirements for product development and manufacturing.

### **Major Job Responsibilities:**

- Perform modeling and experimental studies across diverse areas including heat/mass transfer, mixing, and process characterization. Support equipment/process design, change, validation, and technology transfer. Support efforts to ensure state of control and compliance of department systems.
- Support development of novel experimental approaches, data analysis tools, and modeling approaches to enhance process understanding and to assist in process investigation.
- Participate in evaluating, establishing and implementing new platform technologies, as well as developing standard practices and facilitating technology transfer between sites.
- Support lab planning and management. Design, construct, and maintain experiment infrastructure to support a broad range of collaborative bioprocess engineering activities.
- Interact with colleagues from various Genzyme functions, including Manufacturing Science, and Quality Departments, to coordinate project activities. Stay abreast of new development/technologies in areas of responsibility.

### **Basic Qualifications:**

M.S. degree in Chemical or Biochemical Engineering, or related engineering discipline with 0-2 years of experience in the biopharmaceutical or pharmaceutical industry or BS degree and 2-4 years of experience.

### **Preferred Qualifications:**

Demonstrated technical leadership in biopharmaceutical development is desirable. Multidisciplinary knowledge spanning engineering principles and formulation is highly desirable. Mathematical modeling experience such as CFD (FLUENT), process modeling (Matlab/Simulink, Aspen) is a plus.

- Demonstrated capability to apply chemical engineering principles to real world problem solving
- Demonstrated ability to develop modeling and experimental strategies to address a scientific query, analyze data, and draw conclusions through independent thinking and collaboration with team members
- Demonstrated ability to achieve results quickly and grasp the underlying technical issues and business needs
- Excellent written and verbal communication skills
- Handle multi-tasks effectively to meet project timelines.