

# LAB/PLANT UPGRADE

**CLIENT:** Molecular Probes, Inc.  
**LOCATION:** Eugene, Oregon

This client is a major biotechnology company in Oregon, developing and manufacturing sophisticated fluorescence compounds used worldwide in medical research. For renovation of their laboratory/manufacturing facilities, Molecular Probes, Inc. (MPI) selected Evergreen Engineering (Evergreen) to complete preliminary engineering, capital cost estimation, detailed engineering, and specifications. Assist with vendor/contractor solicitations, evaluation and selection, and provided construction/installation technical support.

The project covered architectural, structural, and systems retrofit modifications to an approximately 10,600 sq. ft area of laboratory/manufacturing and support facilities in two connected buildings. It included installation of new lab hoods, vacuum system, and equipment, plus an additional approximate 5,600 sq. ft of outside installation of new HVAC equipment alongside the buildings, and mounting of ductwork on top of the buildings. This also involved major modifications to utilities systems. The systems and facilities use a large variety of chemicals, so the design had to accommodate code occupancy requirements.

## Engineering Services Provided on This Project:

### ► Architectural

- Space, Occupancy, Access/Egress
- Materials
- Fixtures

### ► Mechanical

- Piping
- Utilities
- Vacuum System
- HVAC



### ► Electrical

- Power Study
- Power Distribution and Lighting

### ► Civil/Structural

- Building structural modifications for increased roof loading and revision of load-bearing walls

### ► Environmental

- Designed for compliance with air emission requirements without complex control equipment



## EVERGREEN ENGINEERING

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