

# PORTLAND LABORATORY *for* Biotechnology and Health Sciences



**THE PORTLAND LABORATORY FOR BIOTECHNOLOGY AND HEALTH SCIENCES** encompasses a 5,000-square-foot research space on the third floor and basement level of the UNE Pharmacy building on Stevens Avenue in Portland, Maine. The laboratory is equipped with instrumentation to support and enable research conducted by UNE faculty and students from across the University as well as external partner institutions.

This modern research space provides infrastructure for ongoing research in therapeutic discovery, biosensor development for biomanufacturing, translational pharmacology, biomarker development and drug metabolism/pharmacokinetic research. In addition to providing infrastructure for state-of-the-art research, a major focus of this laboratory is to provide workforce development opportunities for students with interest in careers in biotechnology and health sciences.

## WORK SPACES

### Located on the 3rd floor of the UNE Pharmacy building

- 3,220-square-foot, open laboratory space with 22 benches
- 204-square-foot cell culture facility outfitted with two biological safety cabinets and incubators
- Five chemical fume hoods
- An additional 728 square feet of procedure rooms and equipment/storage alcoves

### Located on the lower level of the UNE Pharmacy building

- Secured laboratory space containing a 230-square-foot and a 758-square-foot multi-purpose research space.

## KEY INSTRUMENTATION

### General

- Five chemical fume hoods
- Two -80°C Freezers
- Three refrigerator/freezers
- Two -20°C freezers
- Low, moderate, and high speed centrifuges
- Spectromax plate reader
- Fluoroskan Ascent fluorometer

### Molecular / Cell Biology

- Particle Size Analyzer
- Isothermal Titration Calorimeter
- Olympus BX51 microscope
- Flow cytometer
- Thermocyclers
- Western Imaging System
- Gel Free Fractionation System

### Analytical

- High-sensitivity LC-MS/MS (Agilent 6460 equipped with 1200 series HPLC)
- Agilent Infinity Lab LC-MSD with Agilent 1260 LC/UV system
- Agilent 7890 GC-MS/MS

## GET IN TOUCH

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