

## Organic Chemistry Laboratory (Cornelia Hall Room 205)

This laboratory is used for students in Organic Chemistry (CHM 209/210), Organic Chemistry Laboratory (CHM 220), Synthesis Laboratory (CHM 322) and Independent Research (CHM 441/442).



### Major Research Activity

- Pharmaceuticals
- Toxicology Study
- Medicinal Chemistry

Dr. Gavin has been engaged in research with Dr. LoPachin at Albert Einstein School of Medicine on neurotoxicity. The compounds under investigation,  $\alpha,\beta$ -unsaturated carbonyl compounds

such as acrylamide, have been linked to toxicity in most major organ systems. A growing body of evidence also indicates that the behavior of such compounds is relevant to the study of neurodegenerative diseases and thus, he will be continuing studies to elucidate the mechanism of such toxins, particularly with respect to their newly recognized potential to produce neurotoxicity via nerve terminal damage.

