

# MEDICINAL CHEMISTRY DEPARTMENT

*Chair:* Hendrik Luesch

*Graduate Coordinator:* Chenglong Li

The mission of the department of Medicinal Chemistry is to conduct basic research in chemistry and biochemistry as it relates to drug discovery, to teach these principles in the professional and graduate programs, and to provide service to the scientific community.

The Department of Medicinal Chemistry is located in the College of Pharmacy, and is an integral part of the University of Florida's Health Science Center. Medicinal Chemistry is a unique blend of the physical and biological sciences. The scope of the field is sufficiently broad to give students with many different science backgrounds a rewarding and challenging program of study. Areas of active interest include drug discovery, organic synthesis of medicinal agents, natural products chemistry, prodrugs, topical drug delivery, peptide chemistry, molecular modeling, drug metabolism and molecular toxicology. The department has excellent facilities for research in the major areas of Medicinal Chemistry and faculty have been highly successful in attracting extramural research support for the past several years. The Department faculty members are involved in teaching, research and service.

Medicinal Chemistry areas of research in drug design, marine natural products and toxicology are a unique blend of the physical and biological sciences. The scope of the field is sufficiently broad to give students with many different science backgrounds a rewarding and challenging program of study. Areas of active interest include drug discovery, organic synthesis of medicinal agents, natural products chemistry, prodrugs, topical drug delivery, peptide chemistry, molecular modeling, drug metabolism and molecular toxicology.

The Department participates in the interdisciplinary concentration in toxicology. For more information, see the *Interdisciplinary Graduate Studies* section of this catalog.

For more information, please visit our website: <http://pharmacy.ufl.edu/mc> (<http://pharmacy.ufl.edu/mc/>).

## Majors

- Pharmaceutical Sciences (Medicinal Chemistry Department Concentrations) (<http://gradcatalog.ufl.edu/graduate/colleges-departments/pharmacy/medicinal-chemistry/pharmaceutical/>)

## Faculty

### Professor

- Aldrich, Jane V.
- Li, Chenglong
- Luesch, Hendrik
- McCurdy, Christopher R.
- Xing, Chengguo

### Associate Professor

- Cui, Lina
- Ding, Yousong

- Huigens, Robert W.
- Zheng, Guangrong

### Assistant Professor

- Li, Yanjun
- Xie, Wenjun

### Research Associate Professor

- De Miranda Seabra, Gustavo
- Ratnayake, Ranjala

### Clinical Professor

- Grundmann, Oliver

### Affiliated Faculty

- Dang, Long Hoang  
Clinical Professor