

# PHARMACODYNAMICS DEPARTMENT

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*Chair:* M. Keller-Wood  
*Graduate Coordinator:* C. Frazier

The Department of Pharmacodynamics offers a Doctor of Philosophy degree in Pharmaceutical Sciences with a concentration in Pharmacodynamics, and the Master of Science in Pharmacy (M.S.P) in Pharmaceutical Sciences with a concentration in Pharmacodynamics. The minimum requirements for these degrees are listed in the Graduate Degrees (<http://catalog.ufl.edu/graduate/degrees/>) section of this Catalog. The department also participates in the Interdisciplinary Toxicology concentration. *Please note that all students enter directly into the Ph.D. program as the department does not accept student applications for an M.S. degree.*

Pharmacodynamics is an integrated field of study involving pharmacology, physiology, and toxicology in a holistic approach to drug action in living systems. The Department of Pharmacodynamics focuses on neuroendocrinology, cardiovascular pharmacology, and neuropharmacology with diverse research interests in aging, hypertension, reproduction, glaucoma, neurotoxicity, and environmental physiology. Students graduating with a Ph.D. in Pharmacodynamics can compete for jobs in the areas of academia, industry, research institutes, and government laboratories/regulatory agencies.

An undergraduate degree in pharmacy, chemistry, biology, or related sciences is required for students to be successful in the program. In addition to graduate courses in pharmacy, courses are taken in the College of Medicine and in statistics in the College of Liberal Arts and Sciences.

The Department of Pharmacodynamics is located in the University of Florida J. Hillis Miller Health Science Center complex, which includes colleges of Dentistry (<https://dental.ufl.edu/>), Medicine (<https://med.ufl.edu/>), Nursing (<https://nursing.ufl.edu/>), Pharmacy (<https://pharmacy.ufl.edu/>), Public Health and Health Professions (<https://phhp.ufl.edu/>), and Veterinary Medicine (<https://www.vetmed.ufl.edu/>). The UF&Shands system also encompasses six research institutes: the Clinical and Translational Science Institute, the McKnight Brain Institute, the Genetics Institute, the UF&Shands Cancer Center, the Institute on Aging and the Emerging Pathogens Institute. The location of the College of Pharmacy in this complex offers a broad variety of opportunities for learning and research collaboration.

For more information, please see the program page below and visit our website: <http://pharmacy.ufl.edu/pd> (<http://pharmacy.ufl.edu/pd/>).

## Majors

- Pharmaceutical Sciences (Pharmacodynamics) (<http://catalog.ufl.edu/graduate/colleges-departments/pharmacy/pharmacodynamics/pharmaceutical/>)

## Faculty

### Professor

- Keller Wood, Maureen
- McMahan, Lance

### Associate Professor

- Frazier, Charles Jason
- Krause, Eric
- Liu, Bin
- Malany, Siobhan
- McLaughlin, Jay Patrick
- Peris, Joanna

### Assistant Professor

- De Lartigue, Guillaume
- Warren, Brandon Lee

### Research Assistant Professor

- Wilkerson, Jenny L.