

Graduate Programs in the Department of Pharmacology



COLLEGE OF PHARMACY AND
PHARMACEUTICAL SCIENCES
THE UNIVERSITY OF TOLEDO

The Department of Pharmacology seeks to integrate both basic and applied research in the pharmaceutical sciences so that graduates are successful in pharmacy and the pharmaceutical industry. The University of Toledo College of Pharmacy and Pharmaceutical Sciences features state-of-the-art facilities on the University's Main Campus and on its integrated Health Science Campus. This distinction allows the college to expand its research and educational goals in an academic health science community. The Department of Pharmacology offers a graduate certificate in Pharmacology/Toxicology as well as an M.S. in Pharmaceutical Sciences and a Ph.D. in Experimental Therapeutics.

Ph.D. in Experimental Therapeutics

Experimental therapeutics is the integration of basic and applied sciences focused on the study and development of new treatments for human disease. Research in experimental therapeutics seeks to understand human diseases from the molecular level to the whole organism in order to develop rational approaches for new pharmacological treatments. In addition, experimental therapeutics includes the development of new therapies through systematic investigation at increasing levels of complexity ranging from individual molecules and proteins, to cellular and tissue based assays and to the whole organism. The purpose of the program is to train students at the doctoral level who can translate discoveries in the laboratory to therapies in a clinical setting.

M.S. in Pharmaceutical Sciences, Pharmacology/Toxicology

The program provides training for careers in research and development within the pharmaceutical and chemical industries, in governmental regulatory agencies, and environmental toxicology. Students learn not only the fundamentals of pharmacology and toxicology but also the demands of independent research, including critical evaluation of the literature and ethical conduct. Many graduates hold jobs within the pharmaceutical industry or academia, while others have sought training in doctoral programs.

Pharmacology/Toxicology Certificate

The Pharmacology/Toxicology graduate certificate program is available to any qualified student holding a B.S. degree in natural or biomedical sciences who wishes to take graduate-level courses in pharmacology and toxicology. The certificate requires successful completion of 15 credit hours developing collaborative research efforts with the pharmaceutical industry.



Department of
Pharmacology

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