

# PhD IN PHARMACEUTICAL SCIENCES

The PhD in Pharmaceutical Sciences at the University of Maryland School of Pharmacy offers students outstanding opportunities to be part of cutting-edge biomedical and pharmaceutical research while preparing them for careers in academia, government or industry.

A wide range of research is conducted in the Department of Pharmaceutical Sciences. Current research areas include medicinal chemistry, biochemistry, bioinorganic chemistry, cellular and molecular biology, computational chemistry, biophysics, microbiology, neuroscience, pharmacometrics, pharmacokinetics, drug formulation, drug transport and delivery, industrial pharmaceutical research, and translational and regulatory sciences. Research is interdisciplinary, and students have access to state-of-the-art facilities that include centers in nanobiotechnology, mass spectrometry, computer aided drug design, and translational medicine.

## HIGHLIGHTS

- ▶ 30 faculty members, nearly 40 postdoctoral fellows, and approximately 50 graduate students.
- ▶ Prime location - Less than an hour from Washington, DC, the National Institutes of Health, the U.S. Food and Drug Administration, and the National Science Foundation.
- ▶ Our faculty are nationally and internationally recognized leaders in their research fields. With our mentor-driven approach, graduate students work directly with faculty to create a plan of study optimized to meet their individual interests.
- ▶ State-of-the-art centers and facilities including the Computer-Aided Drug Design Center, Mass Spectrometry Center, Nuclear Magnetic Resonance, Good Manufacturing Labs, Bio- and Nano-technology Center, Center of Excellence in Regulatory Science and Innovation, and more.

## PROGRAM DESCRIPTION

Students enrolled in the PhD in Pharmaceutical Sciences program are engaged in curricular studies, research, and teaching activities. Each student in the program develops his or her educational experience with the advice of a faculty mentor and an advisory/thesis committee. Awarding of the PhD degree is contingent upon the candidate's successful defense of a dissertation based on independent, original research.



## FINANCIAL ASSISTANCE

Graduate students enrolled in the PhD in Pharmaceutical Sciences program are fully funded, typically by teaching and research assistantships. This support includes an annual stipend, tuition remission, health insurance, and student fees.

## HOW TO APPLY

Prospective candidates must complete the University of Maryland, Baltimore Graduate School's online application, as well as submit the following materials:

- ▶ Graduate Record Examination (GRE) scores
- ▶ Official transcripts
- ▶ Three letters of recommendation
- ▶ A statement of academic goals and research interests
- ▶ CV/Resume
- ▶ TOEFL/IELTS Scores (required for international students)

Additional information on the admissions process is available at [www.pharmacy.umaryland.edu/admissions/psc/](http://www.pharmacy.umaryland.edu/admissions/psc/).

## CONTACT

Department of Pharmaceutical Sciences  
University of Maryland School of Pharmacy  
20 N. Pine Street  
Baltimore, MD 21201  
410-706-0760  
[pscgraduate@rx.umaryland.edu](mailto:pscgraduate@rx.umaryland.edu)

[www.pharmacy.umaryland.edu/academics/psc/](http://www.pharmacy.umaryland.edu/academics/psc/)