

PhD in Pharmacological Sciences



University of California, Irvine

Founded in 1965, UCI is known for its academic achievement, premier research, innovation and Anteater mascot. Led by Chancellor Howard Gillman, UCI has more than 36,000 students and offers 222 degree programs. It is located in one of the world's safest and most economically vibrant communities and is Orange County's second-largest employer, contributing \$5 billion annually to the local economy.

For its commitment to upward mobility, UCI is No. 1 in The New York Times' College Access Index of U.S. universities "doing the most for the American dream."



#1 Best College

in the U.S.

MONEY

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A photograph of three scientists in a laboratory setting. They are wearing blue lab coats and safety glasses. The scientist in the center is wearing purple gloves and is writing on a small white card or piece of paper. The scientist on the left is looking at a small clear tray or plate. The scientist on the right is looking towards the center. In the background, there are laboratory shelves with various items, including a whiteboard with some handwritten notes and a green sign that says "Close Door & Turn Off Light". The lab coats have a logo on the right sleeve that says "UNIVERSITY OF CALIFORNIA Be Sm About S".

Health Sciences Innovation

The Susan and Henry Samueli College of Health Sciences includes the **School of Pharmacy & Pharmaceutical Sciences**, the School of Medicine, the Sue and Bill Gross School of Nursing, a planned School of Population and Public Health (currently the Program in Public Health) and the Susan Samueli Integrative Health Institute.

Within the UCI School of Pharmacy & Pharmaceutical Sciences, the Department of Pharmaceutical Sciences provides unparalleled training and mentoring for pursuing successful careers in academia, regulatory agencies, and the pharmaceutical and biotechnology industries. Our rigorous, yet flexible, curriculum allows you to tailor your coursework to your particular research and professional interests.

Research avenues for pharmaceutical scientists—from drug discovery to delivery to response—are wide open, and this era of pharmaceutical science is one of rapid and exciting change. With Orange County serving as a regional hub for the pharmaceutical industry, our department is ideal to pursue a graduate education in the pharmaceutical sciences.

Our PhD in Pharmacological Sciences Program

The PhD in Pharmacological Sciences program provides a unique opportunity for those interested in any scientific discipline represented by the Pharmaceutical Sciences faculty to have a year of broad, interdisciplinary training and extensive lab rotations followed by focused doctoral research in the Pharmaceutical Sciences research group of their choice.

Students can choose from one of three tracks within the program: Pharmaceutical Sciences, Pharmacology or Medicinal Chemistry.

CURRENT AREAS OF RESEARCH

- Structural biology and chemical biology
- Medicinal chemistry
- Structure-based drug design and computer-aided drug design
- Synthetic biology
- Molecular evolution
- Molecular neuropharmacology
- Pharmacology of aging
- Natural product biosynthesis and synthase engineering
- Cancer prevention and therapies
- Gene regulation and intercellular signaling
- Computational biology and bioinformatics
- Nanomedicine for targeted drug and gene delivery

**WANT MORE INFORMATION?
VISIT PHARMSCI.UCI.EDU/PHD**

Admission Requirements

Students must have at least some background in biology and chemistry. However, because our programs are interdisciplinary, we admit students from various academic backgrounds with no specific course requirements. Research experience is a primary criterion in PhD admission, and letters of reference play an important role in the selection process.

For detailed information about admission requirements and application instructions, visit www.pharmsci.uci.edu/phd. For general information on UCI Admissions and the online application, visit www.grad.uci.edu/admissions.

How to Apply

Submit an official [online application](#) with UCI's [Graduate Division](#). This includes an application fee: \$120 for U.S. citizens and U.S. permanent residents, and \$140 for all international applicants.

The priority deadline for the online application and supporting materials is December 1 but submissions received up until January 15 may be considered.





Financing Your Education

Our PhD students receive funding for tuition, health insurance, and a monthly stipend/salary through a combination of departmental or university fellowships and/or teaching assistant (TA) and graduate student researcher (GSR) positions in their first year. In years two through five, students are generally funded by their faculty advisors as GSRs but can also be funded through a combination of additional sources. Stipends are typically \$31,000 per year or more.

Diversity

The University of California is committed to the recruitment, admission, and retention of a high quality and diverse graduate student population and has several diversity fellowships for new and returning students who qualify. If you have overcome socioeconomic/educational challenges, please indicate that you are a diverse candidate and describe your experience within the Personal History section of your application.

APPLICATION DEADLINES

December 1 (priority deadline)

January 15 (final deadline)



“The school has rotations that are longer than most departments – lasting a full quarter as opposed to a few weeks – which allows you to get a taste for what research is like in the industry and to really figure out what environments are best suitable for you.”

David Wych, PhD '21

QUESTIONS? EMAIL US AT PHARMSCI-GRAD@UCI.EDU



UCI School of Pharmacy &
Pharmaceutical Sciences