

UNIVERSITY OF MINNESOTA

Pharmacology

Science MEETS



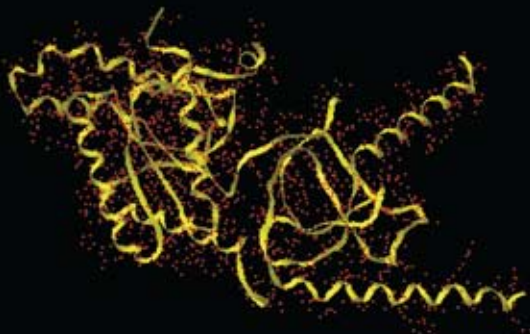
*Katie Cornish
Pharmacology graduate student
and Minnesota Rollergirls team member*



The Pharmacology Graduate Program is committed to increasing the impact and quality of its faculty and graduate students. The contributions of scientists whose backgrounds encompass diversity in culture, disability, ethnicity, gender, and economic background are vital to our creative and productive research environment. Incorporating diversity in our community, curriculum and research is essential for improving the health and knowledge of all, especially those from historically underrepresented and disadvantaged groups.

The Graduate Program in Pharmacology offers you:

- Excellent research resources only found at a large university
- Multidisciplinary faculty who provide great preparation for jobs
- Proven commitment to student success
- Generous stipend plus tuition waivers and health benefits



Pharmacology

Ph.D. in Pharmacology

How do we design better therapeutic strategies for combating disease?

How can we better understand how cells work?

Pharmacology is an interdisciplinary field where 'science meets life'. The research of 40+ faculty members in the Pharmacology Ph.D. Training Program addresses how drugs exert their effects on living systems at all levels of biological organization, from molecules to entire organisms.



Specific areas of inquiry include:

- cellular signaling & gene expression
- neurodegeneration, synapse formation
- molecular & cell biology of drug addiction
- cancer biology and chemotherapy
- stem cell biology
- translational research

“Graduate training in pharmacology at the University of Minnesota has served me well in the pharmaceutical industry.”

Tim Piser, Ph.D. Senior Research Bioscientist, Astra-Zeneca

Explore. Innovate. Advance.

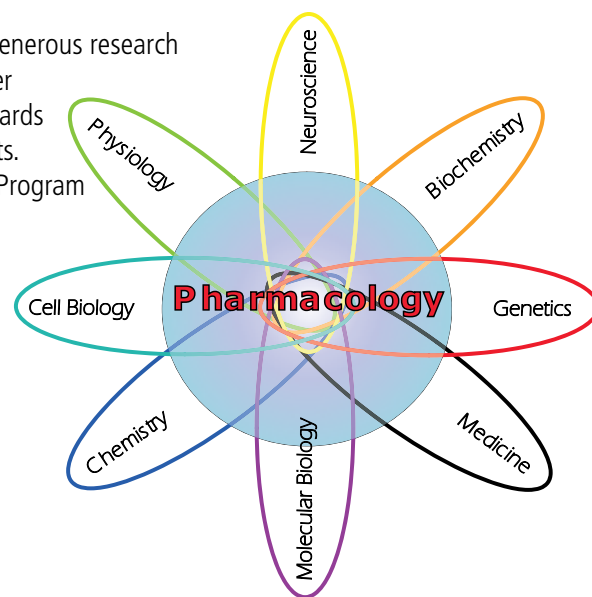
- Pharmacology is the study of how drugs exert their effects on living systems with the goal of molecular therapeutics. It is a pervasive discipline spanning basic to translational research.



- A Ph.D. in Pharmacology facilitates career paths in academia, pharmaceutical industry, biotechnology, government regulatory agencies and science education.
- Students use state-of-the-art technologies from single molecule assays to high-throughput screening assays.
- Over 50 students engaged in exciting research opportunities studying Cancer Biology, Neuroscience, Molecular and Cell Biology of Drug Addiction, Cell Signalling, Gene Expression and Nucleic Acid Biology.

- All Ph.D. students receive a generous research stipend, plus full tuition waiver and health benefits. Merit awards are given to premier applicants. An International Travel Grant Program is available to all trainees.

- Innovative curriculum with laboratory mentoring, coursework and training in grant writing and science communication.



Outstanding student support from:

National Institutes of Health
 National Science Foundation
 American Heart Association
 American Cancer Society
 3M Fellowship
 Student Excellence Fellowships
 DOVE Fellowship
 Doctoral Dissertation Fellowship
 Graduate School Fellowship
 F.E. Shideman Fellowship

We invite you to join this vibrant program, surrounded by people with a passion for knowledge.

Visit us to learn more:

<http://www.pharmacology.med.umn.edu/graduate.html>

If you have questions about the Pharmacology program, please call or write:

612-626-4460; phclgrad@umn.edu