



PHARMACOLOGY

PROGRAM OVERVIEW

The Pharmacology PhD program is unique in that it trains students in the underlying scientific foundations of modern pharmacology.

FOUNDATIONS:

Chemical Biology

Radiochemistry

Drug Design

Molecular Biology

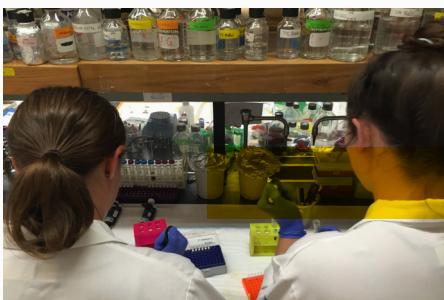
Molecular Imaging

Nanotechnology

Immunotherapy

RNA Biology

Cell Signaling and Therapeutics



Mission

The research activities of the Weill Cornell Pharmacology Program faculty cover broad areas of modern pharmacological sciences. Faculty carry out research in cancer pharmacology, neuropharmacology, cardiovascular pharmacology, drug metabolism, toxicology, proteomics, molecular pharmacology, receptors and signal transduction, chemical biology, radiochemistry, drug design, molecular imaging, nanotechnology, and immunotherapy. A major mission of the Pharmacology Program faculty is to provide research training to Ph.D. students and to postdoctoral fellows that is thorough, intense, exciting and state of the art.

Required Courses

- Essential Principles of Pharmacology / Pharmacology "BootCamp"
- Principles of Pharmacology I: Chemical Biology
- Principles of Pharmacology II: Signal Transduction
- Principles of Pharmacology III: Principles and Systems Pharmacology
- Principles of Pharmacology IV: Molecular Pharmacology of Cancer
- Next-Gen Methods for Neuroscience and Pharmacology
- Responsible Conduct of Research
- Neuropharmacology I: Genes, Drugs and Behavior
- Neuropharmacology II: Neuropeptides and Pain and Drugs of Abuse
- Pharmacology Seminar Series

Application

All applications and materials can be submitted online at <http://bit.ly/WCGS-Apply>



WCGS Overview

- Collaboration of two leading research institutions – Weill Cornell Medical College (WCMC) and Sloan-Kettering Institute (SKI)
- Over 285 research faculty members, selected for their research excellence and academic mentorship

Why WCGS?

- **Location:** New York City's Scientific Corridor on the Upper East Side
- **Research:** Drug Discovery, Cancer Research, Stem Cell Research and Translational Medicine
- **Stipend:** \$41,000 per academic year, full tuition scholarship and subsidized housing

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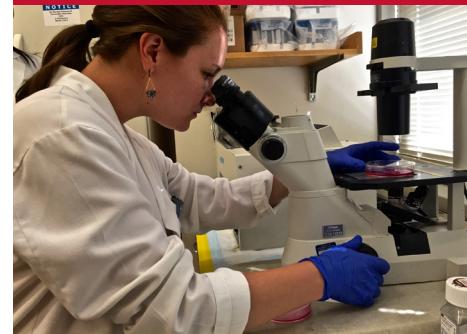
Timeline	Year 01	Year 02	Year 03	Year 04	Year 05...
Lab rotations (3)	●				
Core curriculum courses	●				
Graduate research seminar	●	●	●	●	●
Attendance at Pharmacology Seminars	●	●	●	●	●
Presentation of talks and posters at school-wide events and program symposia	●	●	●	●	●
Quantitative Biology course (required school-wide course)		●			
Select research focus and Special Committee (thesis mentor plus two other faculty member experts in relevant research field)		●			
Admission to Doctoral Candidacy Examination (ACE) test (research proposal and oral examination)		●			
Submit Fellowship application		●			
One elective Course (two quarters)		●	●		
Lab research	●	●	●	●	●
Meetings with Special Committee		●	●	●	●
PhD thesis research		●	●	●	●
Defend PhD thesis					●

Links

For More Information: <http://bit.ly/WCPharm>

To Apply: <http://bit.ly/WCGS-Apply>

Questions? WCGS-Admissions@med.cornell.edu



Faculty

More than 40 faculty members, who are members of Weill Cornell Medical College and the Sloan-Kettering Institute (SKI, part of Memorial Sloan-Kettering Cancer Center).

Careers

WCGS is greatly focused on student outcomes and postgraduate career opportunities. We regularly host visits and talks by alumni, recruiters and career advisors, to discuss career opportunities and to help you develop the skills you need to succeed when looking towards your next steps. In addition, WCGS sponsors a Career Pathways Seminar series and is a sponsor of the Tri-Institutional Career Symposium and the What Can You Be with a PhD? Career Symposium. Graduates typically go on to postdoctoral and research associate positions at top-tier laboratories before embarking on careers in fields such as academia, pharma, biotechnology, consulting, government work, and patent law.



Weill Cornell Medicine
Graduate School of Medical Sciences
A partnership with the Sloan Kettering Institute