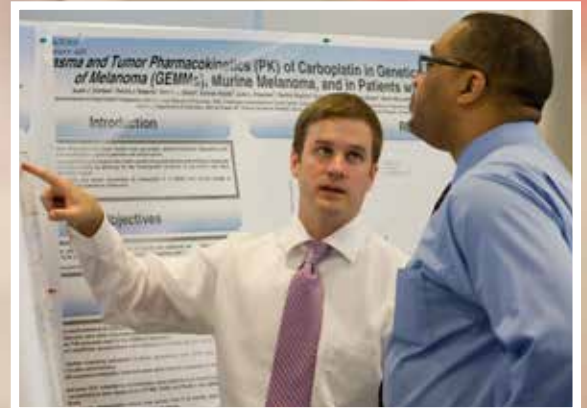




UNC  
ESHELMAN  
SCHOOL OF PHARMACY

Division of Pharmacotherapy  
and Experimental Therapeutics

# Graduate and Fellowship Programs





## What We Do

THE DIVISION OF PHARMACOTHERAPY AND EXPERIMENTAL THERAPEUTICS at the UNC Eshelman School of Pharmacy strives to optimize drug therapy through the generation, integration, and translation of scientific information between the bench and the bedside, the patient and the population.

# Graduate Program

[pharmacy.unc.edu/dpet/phd-program](http://pharmacy.unc.edu/dpet/phd-program)

## PhD in Pharmaceutical Sciences

The PhD program in the Division of Pharmacotherapy and Experimental Therapeutics develops scientists capable of conducting innovative and clinically relevant translational research that integrates biomedical and pharmaceutical sciences in both laboratory-based models and in humans.

Our PhD program offers two curricular tracks based on the students' previous experience: clinician (for students with a PharmD, MD, or equivalent degree) and nonclinician (for students with no previous clinical training). Graduates from both tracks have enjoyed an outstanding employment rate in academia and the pharmaceutical industry.

### Areas of Graduate Coursework and Research

- Drug metabolism and transport
- Pharmacokinetics/pharmacodynamics/pharmacometrics
- Pharmacogenomics
- Clinical trial design and statistical analysis
- Experimental therapeutics
- Mechanisms of drug toxicity

### Areas of Therapeutic Application

- Cardiovascular disease
- Hepatology/gastroenterology/transplant
- Infectious disease/HIV
- Oncology/hematology
- Pulmonary disease

### Contact

Craig Lee, PharmD, PhD, FCCP  
919-843-7673  
[craig\\_lee@unc.edu](mailto:craig_lee@unc.edu)

### To Apply

Applicants must complete the UNC Graduate School online application ([pharmacy.unc.edu/admissions/phd/how-to-apply](http://pharmacy.unc.edu/admissions/phd/how-to-apply)). We strongly encourage applicants to apply by December 15 in order to be considered for a merit-based University or School fellowship.

## Clinical Research and Drug Development Fellowships

Fellows participate in clinical research studies with School faculty in the first year and with members of a drug development clinical research group (phases I-IV) at their sponsor's industry site in the second year.

This fellowship provides

- training and experience in the conduct of clinical drug trials;
- participation in clinical research projects under the direction of a UNC faculty member and an industry preceptor;
- didactic instruction in courses that supplement training and professional interests; and
- exposure to ethical, legal, and regulatory issues in research involving investigational and marketed drugs.

## Clinical PK/PD Fellowships

Fellows participate in clinical pharmacokinetic (PK), pharmacodynamic (PD), pharmacometric, transport, and metabolism studies with faculty at the School and with members of the Clinical Pharmacokinetics Group at either GlaxoSmithKline or Quintiles during the second year of appointment.

This fellowship provides

- experience in PK study design and related clinical trials;
- experience in PK, PD, and pharmacometric data analysis;
- experience in the conduct of clinical drug trials;
- in vitro and in vivo laboratory methods to evaluate drug absorption, metabolism, transport and pharmacogenomics; and
- didactic instruction in courses that supplement PK/PD training.

## Academic Fellowships

### HIV Pharmacology

Fellows prepare for careers as independent researchers with an emphasis on advanced clinical pharmacology trials, vanguard bioanalytical methods, and multicompartiment PK/PD analyses.

### Oncology

Fellows develop independent research skills for a career in academia, including experience with clinical trials, preclinical model systems, analytical techniques, and molecular techniques.

### Heart Failure

Fellows receive extensive research experience in cardiovascular pharmacotherapy with a special emphasis on heart failure and cardiovascular PK/PD.

## Global Regulatory Affairs Fellowship

This fellowship provides practical training and experience in key regulatory functions to help fellows gain expertise in the regulatory requirements of drug development.

The fellowship includes rotations that will provide fellows the opportunity work in academic/hospital (UNC) and pharmaceutical (GlaxoSmithKline) settings.

## N.C. Collaborative Clinical Pharmacology T32 Postdoctoral Fellowships

This multidisciplinary, collaborative training program prepares clinician-scientists for academic, industrial, or regulatory careers in clinical pharmacology, with an emphasis in pediatrics and drug safety. The program develops innovative clinical pharma-

cologists who will conduct cutting-edge research and mentor the next generation of clinician-scientists. Fellows learn contemporary methods of laboratory and clinical research and are equipped to address critical problems in clinical pharmacology.

## Contact

Bob Dupuis, PharmD, BCPS,  
FCCP  
919-966-6194  
fellowships@unc.edu

## To Apply

By January 1, applicants must submit a personal statement, a curriculum vitae, a copy of unofficial transcripts, and three professional letters of recommendation to Bob Dupuis at fellowships@unc.edu.

For details, see  
pharmacy.unc.edu/fellowships/  
apply.



## UNC Eshelman School of Pharmacy



The UNC Eshelman School of Pharmacy is a nationally recognized leader in progressive pharmaceutical care practice, education, and research. Throughout its history, the School has built a reputation for cutting-edge research, rigorous training programs, and outstanding faculty, staff, and students.

The School is one of five health-affairs schools on the campus of the University of North Carolina at Chapel Hill and benefits from close collaborations with many on-campus research programs, including the

Carolina Center for Genome Sciences, the Lineberger Comprehensive Cancer Center, the Center for Infectious Diseases, and the McAllister Heart Institute.

The School has one of the top-ranked PharmD programs in the country and is one of the leaders among schools of pharmacy in federal research funding. The School added 75,000 square feet of state-of-the-art research space in 2009 with the Genetic Medicine Building and will add another 75,000 square feet in the Imaging Research Building in 2014.

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## University of North Carolina at Chapel Hill



The University of North Carolina at Chapel Hill is ranked as one of the leading public universities in the nation and has built a strong reputation as a research university. In 2009, the University ranked tenth nationally and number one in the South among public universities and colleges in federally funded research and development expenditures. In 2012, it received more than \$767 million in

research funding, including \$545 million in federal funding.

The University has strong research programs in a number of scientific and health-care fields, such as oncology, infectious diseases, cardiology, nanomedicine, drug discovery, and genetics. It also boasts the top library system in the South, according to the Association of Research Libraries and the *Chronicle of Higher Education*.

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## Chapel Hill and Research Triangle Park



Chapel Hill is widely regarded as one of the best college towns in America. Franklin Street, the town's main thoroughfare, borders the UNC-Chapel Hill campus and offers shops, cafes, restaurants, theaters, and houses of worship. Chapel Hill has multiple parks and greenways, malls, an interesting historic district, and multiple recreational facilities. The town is eighteen miles from Raleigh-Durham

International Airport and centrally located between North Carolina's scenic beaches and mountains.

Chapel Hill is located at the western point of the Research Triangle Park, which borders three major universities and is home to a vibrant culture of scientific research and more than 170 global companies, a number of which have ties to the School and the University.