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 generate and disseminate new knowledge in pharmacotherapy and accelerate its application to improve patient care.

Graduate Program

pharmacy.unc.edu/phd

Ph.D. in Pharmaceutical Sciences

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

Our Ph.D. program offers two curricular tracks based on the students' previous experience: **clinician** for students with a Pharm.D., M.D. or similar degree and **nonclinician** for students with no previous clinical training. Graduates from both tracks have enjoyed an outstanding employment rate in academia, pharmaceutical industry and the Food and Drug Administration.

Areas of Graduate Coursework and Research

- Drug metabolism and transport
- Pharmacokinetics (PK)/ Pharmacodynamics (PD)/ Pharmacometrics (PM)
- Pharmacogenomics
- Clinical trial design and statistical analysis
- Experimental therapeutics
- Mechanisms of drug toxicity

Areas of Therapeutic Application

- Cardiology
- Hepatology/ Gastroenterology/ Transplant
- Infectious disease
- Oncology/ Hematology
- Pulmonology

Contact

Julie Dumond, Pharm.D., M.S.
jdumond@unc.edu

To Apply

Applicants must complete the UNC Graduate School online application (gradschool.unc.edu/admissions). Applicants are strongly encouraged to apply by December 1 in order to be considered for a merit-based University or School fellowship.

Fellowship Programs

pharmacydpetfellowships.web.unc.edu

The Division of Pharmacotherapy and Experimental Therapeutics (DPET) offers industry-sponsored fellowships in Drug Development/Clinical Research, Global Drug Safety/Pharmacovigilance, Medical Affairs, Neurology, Pharmacokinetics/Pharmacodynamics/ Pharmacometrics, and Regulatory Affairs. Fellows will spend time at GlaxoSmithKline, IQVIA, Nuventra, PPD, UCB, or United Therapeutics. Also, academic fellowships are offered in cardiology, HIV pharmacology, and oncology/hematology. A clinical pharmacology fellowship is also available through the T32 Postdoctoral Training program.

While the focus of each fellowship program varies, fellowships may provide:

- Training and experience in the design and conduct of clinical drug trials, including PK studies;
- Didactic instruction in courses that supplement training and professional interests;
- Exposure to ethical, legal and regulatory issues in research involving investigational and marketed drugs;
- Protocol and grant writing, scientific presentations, and teaching; and
- Exposure to in vitro and in vivo laboratory methods to evaluate drug absorption, metabolism, transport and pharmacogenomics and PK/PD/PM data analysis.

Areas of Coursework and Research

- Clinical Research and Drug Development
- Medical Affairs
- Regulatory Affairs
- Global Drug Safety/ Pharmacovigilance
- Pharmacokinetics/ Pharmacodynamics/ Pharmacometrics
- T32 Collaborative Clinical Pharmacology
- Clinical Neurology

Contact

Robert Dupuis, Pharm.D., fellowships@unc.edu

To Apply

Applicants must complete the UNC Fellowship online application at pharmacydpetfellowships.web.unc.edu. The application deadline for early consideration is November 15; final deadline is January 1.

To obtain an application for the **T32 Fellowship**, contact Kirsten Leysieffer kleysief@email.unc.edu.

Areas of Therapeutic Application

- Cardiology
- Hepatology/ Gastroenterology/Transplant
- Infectous disease
- Neurology
- Oncology/Hematology
- Pulmonology

Industry Sponsors

- GlaxoSmithKline
- IQVIA
- Nuventra
- PPD, Inc.
- United Therapeutics
- UCB

UNC Eshelman School of Pharmacy

At the UNC Eshelman School of Pharmacy, everything we do begins and ends with a patient in mind. We are preparing the next generation of scientists, clinicians and practitioners to discover solutions to the world's most challenging health care issues. Throughout our history, the School has built a reputation for cutting edge research, rigorous training programs, and outstanding faculty, staff, and students. A world-class university, a model Area Health Education Center (AHEC) system, an award-winning hospital system, and an international center for pharmaceutical research and development, and close proximity to the Research Triangle Park, creates one of the most dynamic centers of learning in the nation. 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 is the number one ranked pharmacy program based on the U.S. News & World Report ranking and is one of the leaders among schools of pharmacy in research funding.

University of North Carolina at Chapel Hill

The University of North Carolina at Chapel Hill is one of the leading public universities in the nation and has built a strong reputation as a global research university. In 2017, the University generated nearly $967 million in research funding and was ranked 6th in the world in pharmacy and medicine by QS World University Rankings and number two in the world in pharmacology and toxicology by U.S. News & World Report. The University has strong research programs in a number of scientific and healthcare fields, including oncology, infectious diseases, cardiology, chemistry, nanomedicine, public health, drug discovery and genetics.

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, a vibrant 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, which is created by UNC, Duke University and North Carolina State University and encompasses the Research Triangle Park. RTP is home to a vibrant culture of scientific research and more than 200 global companies, a number of which have close ties to the School and the University.