

## PROGRAM DESCRIPTION

The Clinical & Experimental Therapeutics (CET) graduate programs provide interdisciplinary training in therapeutics-related research that directly connects the basic science laboratory with the clinical practice setting.

## PROGRAM OBJECTIVE

CET's objective is to encourage and facilitate research in the pharmaceutical sciences. Students enrolled in the program will have the opportunity to rotate through several laboratories. These rotations allow for exploration in different research areas, which ultimately helps a student choose an area of study to focus on. Upon graduation, students find careers with universities, in the pharmaceutical industry, and local/state/ national health agencies.

### Programs Offered:

- **Masters – 1 and 2 year degrees**  
1 year MS is available for a few eligible candidates to prepare them for Pharmacy or Medical school, residencies, etc.
- **Doctoral – average 3 to 5 years**

**Location:** Augusta, GA

## AREAS OF STUDY

- Atherosclerosis
- Cancer & Vascular Biology
- Diabetes & Vascular Function
- Exosomes and microRNAs
- Lung Injury and Fibrosis
- Retinopathy and Vision disorders
- Stroke
- Vision disorders

## RESEARCH OPPORTUNITIES

The faculty members in the CET program have made significant accomplishments in their respective areas of interest. Ongoing project supported from grants from various federal funding agencies, private foundations, and the pharmaceutical industry.

The expertise of CET faculty includes:

- Pathogenesis and treatment of stroke
- Pathogenesis and treatment of neurodegenerative disorders
- Pathogenesis and vascular biology of hypertension and diabetes-associated vascular complications
- Disease mechanism and treatment of diabetic retinopathy
- Molecular mechanisms regulating endothelial-barrier, vascular permeability and angiogenesis
- Extracellular matrix remodeling and pulmonary fibrosis
- Identification of potential therapeutic targets for prostate, bladder, and colorectal cancers
- Exosomes and microRNAs in Lung Injury Research



The programs provide support to assist students in achieving these competencies:

- Apply ethical principles and comply with legal and regulatory requirements in the conduct of professional activities
- Communicate effectively with the health care, research, and lay communities
- Demonstrate professional values and behaviors
- Design and conduct patient-oriented research and interpret the results
- Develop research questions to address health care problems
- Implement a strategy for life-long personal and professional development



## **CET FACULTY**

**Somanath Shenoy, Ph.D., FAHA**  
Professor, CET Director

**Research Lab:**  
Cancer, Vascular Biology and Lung Diseases

**Susan Fagan, Pharm.D., BCPS, FCCP**  
Albert W. Jowdy Professor

**Research Interests:**

Stroke and cerebral ischemia

**S. Priya Narayanan, PhD**  
Associate Professor

**Research Interests:**

Vision and Diabetes Research

**Duo Zhang, Ph.D.**  
Assistant Professor

**Research Interests:**

Acute Lung Injury, Exosomes and microRNAs

**Andrea Newsome, PharmD**  
Clinical Assistant Professor

**Research Interests:**

Critical Care Medicine

**Randall Tackett, Ph.D.**  
Professor, CAP Graduate Coordinator

**Research Interests:**

Ethnic and Gender Differences in  
Cardiovascular Disease and  
Pharmacotherapy

**Bradley G. Phillips, Pharm.D., BCPS, FCCP**  
Millikan-Reeve Professor and Department Chair

**Research Interests:**

Clinical & Translational Research Unit



## **CONTACTS**

For additional information, please contact:

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Graduate Programs

Student Affairs Professional II

**UGA - College of Pharmacy - CAP**

**CET Graduate Programs**

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**Website:**

<https://rx.uga.edu/academic-programs/phd/clinical-and-experimental-therapeutics/>



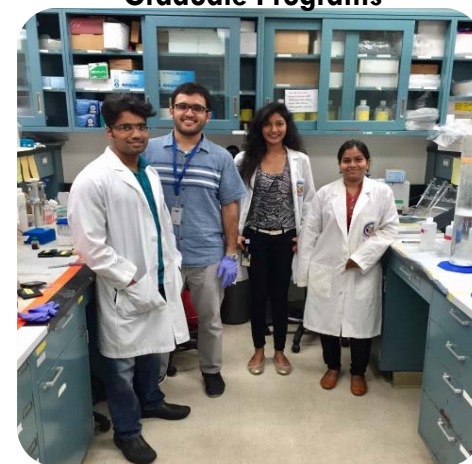
**UNIVERSITY OF  
GEORGIA**

College of Pharmacy

*Clinical & Administrative Pharmacy*

## **Clinical and Experimental Therapeutics**

### **Masters and Doctoral Graduate Programs**



*Our vision is to lead pharmacy education  
and research, from theory to practice.*

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