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

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