

Strategic Plan for Research

2019 and beyond



Mission Statement

Develop innovative approaches to promoting health through basic, translational, clinical, behavioral, education and community research

Mentor students in investigative methodologies and information retrieval, appraisal and dissemination

Enhance students':

curiosity and creativity

disciplined thinking

communication skills

appreciation of evidence-based medicine

**sense of responsibility to their patients, profession
and community**

pride in their accomplishments

preparedness and competitiveness for residency

Research Focus Areas

Neurological basis of behavior and learning, psychological disorders and rehabilitation

Neuromuscular development, functions and diseases

Cardiovascular and pulmonary functions and diseases

Bone and joint development, functions and diseases

Vision and ocular diseases

Cancer

Osteopathic manipulative therapy

Healthcare economics and delivery

Drug development

Biomarker identification and validation

Urorenal function and disease

Development and divergence of species

Community Outreach

Educational strategies and outcomes

Inflammation and allergy

Pain

Primary Care Interventions and Outcomes

Nutrition and obesity

Continue to Support and Enhance Research Productivity on PCOM's Campuses

The Division of Research facilitates scholarly activity by providing:

- guidance for project development and management.**
- regulatory review of human and animal studies.**
- assistance with grant proposal preparation, budget, submission and management.**
- seed money for pilot projects.**
- staff, equipment and consultants.**

Productivity Metrics

Mentoring students

Faculty and student presentations

Publication of peer-reviewed manuscripts, review articles and book chapters

Interviews, webinars, etc.

Editorial boards, study sections, manuscript reviewer

Submission of applications for extramural funding

Grant and contract awards

**Optimize utilization of funding, staff, space,
equipment and supplies**

**Maximize resource and space sharing to enhance
productivity and student involvement**

Facilitate internal and external collaborations

Continue to upgrade equipment

Expand Clinical Research Opportunities

Facilitate collaborations between faculty, alumni, external clinicians, residents and medical students in clinical research studies and clinical trials

Maintain student research opportunities website

Obtain support for clinical project managers

Increase Extramural Research Support

Continue to identify and communicate sources of funding

Establish partnerships with companies offering sponsored and collaborative research funding

Identify sources of support for research required to attract licensing of PCOM's inventions

Seek contracts that utilize our facilities

Expand partnerships with health insurance companies to test innovative strategies for healthcare delivery and outcomes assessments

Intellectual Property

Continue to evaluate licensing and commercialization potential of PCOM inventions

Evaluate models for partnerships with faculty companies

Provide support for external consultants that:
offer guidance for federal small business grant applications
develop roadmaps for licensing technologies
identify funding partners
facilitate licensing agreements

Expand Educational Resources Related to Research

Assist with development of a curriculum that educates students about the principles and practice of research

Train faculty and students in the use of programs that assist with protocol building

Offer faculty tutorials in intellectual property, technology transfer and roadmaps to licensing agreements and clinical trials

Continue to Enhance Visibility of PCOM Research

Update web based research pages on a regular basis

**Continue to communicate research accomplishments to
Marketing and Communications, Library, Institutional
Advancement, Cabinet and Board of Trustees**

Expand Community-Based Research Opportunities

Publicize faculty and student research related activities and opportunities within the community

Foster relationships with patient advocacy groups and community leaders

Organize symposia to present research to patient advocacy groups and community leaders

Milestones

Formula developed for protected time to engage in research that balances teaching loads with productivity

Increased extramural funding

Increased opportunities for clinical research

Increased preparedness of students to engage in research

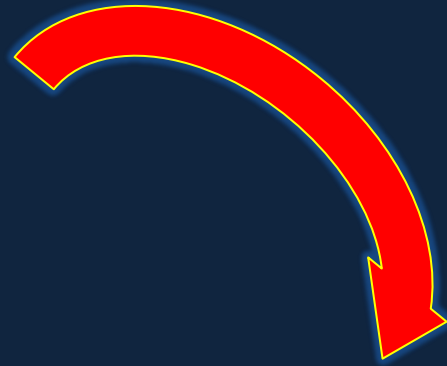
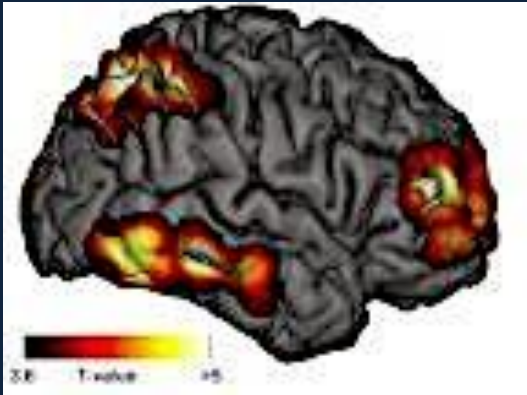
Increased student involvement in clinical research

Increased student research accomplishments for resume building and competitiveness for residencies

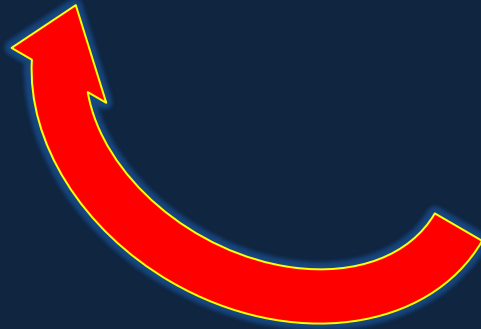
Milestones

Identified potential sources of support for mid-stage development of inventions required for licensing agreements

Models identified for technology development, patent support and relationships with faculty owned companies



BECAUSE





Integrating Research into the Academic and Healthcare Communities of Colquitt County Georgia



Mission

**Create a climate of scholarship that contributes to
improving healthcare delivery and outcomes
in southern Georgia**

**Conduct research that establishes partnerships between
faculty, students, healthcare providers, patients and
community leaders from day 1**

**Foster a sense of connectedness that promotes
commitment to the region**

Goals

Promote health through clinical, behavioral, education and community research

Integrate students into the healthcare community in Colquitt County through research and scholarly activity.

Provide faculty and students with opportunities to engage in basic and translational on the Suwanee campus

Mentor students in investigative methods and information retrieval, appraisal and dissemination

Address AOA and COCA standards for research and scholarly activity

Enhance students':

curiosity and creativity

disciplined thinking

communication skills

appreciation of evidence-based medicine

**sense of responsibility to their patients, profession
and community**

pride in their accomplishments

preparedness and competitiveness for residency

Focus Areas

I. Education Research

Comparison of content mastery from lectures, active learning groups and team-based learning exercises

Development and testing of innovative approaches to medical education and training

Utilize the gross anatomy and clinical learning and assessment and labs for research purposes

II. Healthcare Delivery and Outcomes Research

Assessments of healthcare delivery and patient education in Colquitt County

Development and testing of novel approaches for:

- increasing patient compliance**
- enhancing community outreach**
- reducing disparities in and barriers to healthcare access**
- improving methods of healthcare delivery and ensuring safety within hospitals, outpatient centers and the home**

Goals

Promote collaborations between faculty, students, healthcare providers, community leaders and patients

Improve and promote health

III. Community-Based Research

Assessments of PCOM's impact on:

- patients' attitudes and commitment to care.
- promotion of health and disease prevention through faculty and student run educational programs.
- mentoring and research activities on campus and within healthcare centers and the community.
- high school and undergraduate students' choices of majors and career paths in the biomedical sciences.
- recruitment of local undergraduates to PCOM.
- retaining PCOM graduates in the region.

Mechanisms to Develop Research on Campus and Within the Community

Phase I: Create the Research Environment

Goals

**Recruit faculty to educate students in the principles and
practice of research**

**Establish an infrastructure for research in collaboration
with PCOM's other campuses**

Develop and initiate research studies

Appoint Administrators, Faculty and Support Staff

**Research Officer and educator with background in public/
population health and community-based research**

**Basic Science and Clinical Faculty that serve as facilitators of
team-based and active learning groups, and mentors for
student research projects**

**Content expert for development of curriculum surrounding the
principles and practice of research and evidence-based medicine**

Library Sciences faculty and staff

Biostatistician consultant

IRB and Research Committee members

Educating Medical Students in the Principles and Practice of Research and Evidence-Based Medicine

Format

Independent study via online modules followed by lectures, team-based learning exercises and active learning group sessions

Topics

introduction to types of research

information retrieval and utilization

medical ethics

responsible conduct of research

human studies research

informed consent

study design

biostatistics

Capstone project

students develop a research proposal

Phase II

Integrating PCOM Research into the Healthcare Community of Colquitt County

Goal

**PCOM's South GA campus will serve as a hub
and engine that elevates the level of
excitement for and commitment to research
within the healthcare community**

Assess current research activities within inpatient and outpatient healthcare centers

Determine current mechanisms for IRB approval of human studies research in healthcare facilities

Recruit clinicians, including PCOM alumni, fellows, residents, other healthcare practitioners, students and members of the community to participate in research studies

Provide IRB support for projects in which full-time PCOM faculty are PIs or Co-investigators and affiliated faculty's studies are exempt from informed consent

Phase III

**Forming collaborative research initiatives
within a broader academic environment**

Goals

**Establish research collaborations with faculty and
students at undergraduate institutions in South GA**

Increase enrollment of students to PCOM's DO program

Retain PCOM graduates within the community

Assess ongoing research activities at colleges and universities within an 50 mile radius of Moultrie

Identify their key faculty and administrators

Invite faculty and students to campus for research related events, including speakers, poster sessions and capstone project presentations

Form research collaborations with neighboring institutions

Milestones for Years 1-4

Faculty and students identify areas for research project development within year 1

Collaborations are established with healthcare providers within the community

PCOM research and researchers are viewed as vital elements of the community

Connections are established with local universities, colleges and high schools