

# COM-Research Awards and Resources Faculty Development Roundtable



Hollings Cancer Center

An NCI-Designated Cancer Center

**Besim Ogretmen, PhD**

**Associate Dean of Research, COM**

# Besim Ogretmen



## Background

- Professor and SmartState Endowed Chair of Lipidomics and Drug Discovery (at MUSC since 1996)
- Associate Director of Basic Sciences at Hollings
- Associate Dean of Research at the College of Medicine
- Research on sphingolipid metabolism and signaling in cancer biology and therapeutics
- PI of multiple R01s and a P01
- PI, COBRE in Lipidomics and Pathobiology

## College of Medicine

Missions: Education, Research, Patient Care

~ 1350 employed faculty

~ 1300 staff

~ 780 trainees

~ 700 medical students

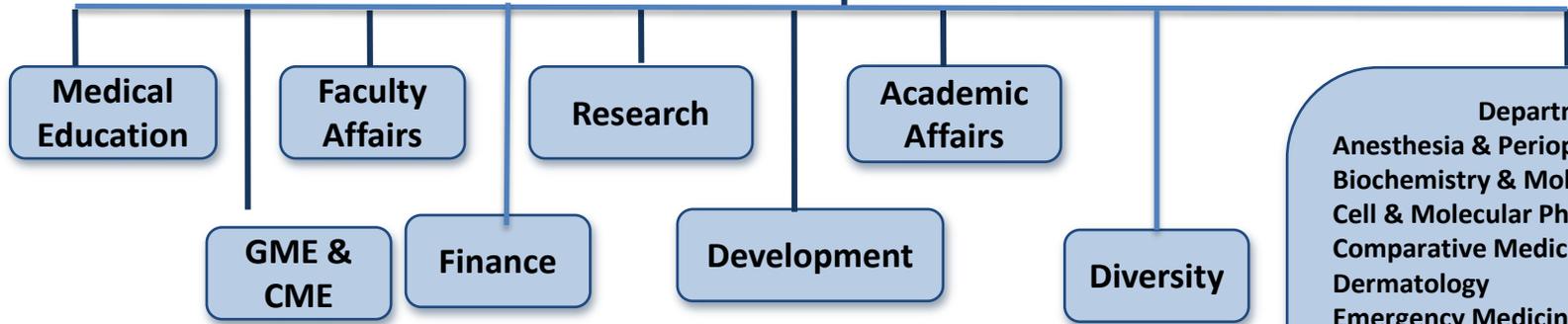
~ \$248 million in extra-  
mural awards



# College of Medicine



**Dean, College of Medicine**



- Departments:**
- Anesthesia & Perioperative Medicine
  - Biochemistry & Molecular Biology
  - Cell & Molecular Pharmacology
  - Comparative Medicine
  - Dermatology
  - Emergency Medicine
  - Family Medicine
  - Medicine
  - Microbiology & Immunology
  - Neurology
  - Neurosciences
  - Neurosurgery
  - Obstetrics & Gynecology
  - Ophthalmology
  - Orthopaedics & Physical Medicine
  - Otolaryngology
  - Pathology & Lab Medicine
  - Pediatrics
  - Psychiatry
  - Public Health Sciences
  - Radiation Oncology
  - Radiology
  - Regenerative Medicine
  - Surgery
  - Urology

**Changing What's Possible**

# Dean's Office Research Team

Terrance Steyer: Interim Dean

Anand Mehta, DPhil: Senior Associate Dean for Research

Besim Ogretmen, PhD: Associate Dean for Research

Mary McConnell: Program Coordinator

Jan Buffington & Lori Clekis: Space Management

<https://medicine.musc.edu/research>



# Recruitment Roles

## Recruitment Activities

- Plays a bridge role as an Associate Dean of Research at the COM and AD of Basic Sciences at Hollings for identifying common research needs at Hollings and COM departments
- Engages with COM Leadership and Department Chairs on basic science recruitments



# Research Programs

## Research Integration at COM

- Provide research integration and collaborative matchmaking with basic science programs and transdisciplinary COM teams
- Participate in the review of internal applications



# Internal Research Awards & Programs

Cycles: April, August, and December

- Bridge Funding – 1 yr., \$60K
- High Impact Research Publication – award on Dean's Wall of Science

Annually:

- College of Medicine Enhancement of Team Science (COMETS)
  - 2 yrs., 1 team (2 PIs), \$150K/yr.
- Translational Team Scientist (TTS) Basic Science & Clinical Science
  - 2 yrs., 1 team (2 PIs), \$100K/yr. (new program)
- K-R Clinician Scientist Bridge Funding
  - 1 yrs., 1 team (2 PIs), \$100K



# Bridge Funding

## Bridge Funding Summary April 2011 to April 2022

### Awards

Total Applications: 96  
Awarded: 53  
Received MUSC Funds: 47 (four withdrawn)

### Total Investment: \$2,798,755

#### Funding Source:

Dean's Office: \$ 1,545,400  
Departments: \$ 822,000 (clinical)  
Provost: \$ 565,000 (basic science)

### Outcomes: Extramural Funds Awards: 27

Total Grant Funding Received: \$ 51,024,134  
Direct Funding: \$ 34,905,890  
Indirect Funding: \$ 16,118,244

### Awards in Progress (August 20 - April 2021)

Investment: 4 awards - \$240,000

**Total Return on Investment (Direct Funds) 18-fold**



# K-R Clinician Scientist Program

## K-R Clinician Scientist Program 2020 - 2022

### Awards

Total Applications: 4

Awarded: 2

**Total Investment: \$200,00**

**Outcomes: TBD**

### Extramural Funds Awards:

Total Grant Funding Received:

Direct Funding:

Indirect Funding:

**Awards in Progress \$200,000**

**Total Return on Investment (Direct Funds) TBD**



# COMETS Program

## COMETS Funding Summary January 2014 to February 2022

### Awards

8 Teams awarded MUSC Funds: \$ 2,325,000

Total Grant Funding Received: \$ 10,850,426

Direct Funding: \$ **7,582,035**

Indirect Funding: \$ 3,268,411

5 Publications reported

### Team Awards in Progress

2 Teams \$ 525,000

**Return on Investment (Direct Funds) 4.6-fold**



# Research Programs

## QUESTIONS & DISCUSSIONS

- How can we improve extramural grant funding in clinical departments?
- How can we create new teams to develop multi-PI grants?

(We have developed Alzheimer's Disease Working Group and Microbiota Working group)

- How can we help COM faculty to develop and improve their high-impact research?
- Are there any innovative tools or resources that we will need to invest?

