



# Summary of Grants



DIVISION OF RESEARCH REPORT



## ONGOING GRANTS

**\$120,000**

**Osteopathic Heritage Foundation**

Center for Chronic Disorders of Aging endowment  
*Brian Balin, PhD, Bio-Medical Sciences, PCOM*

**\$6,592**

**Anonymous Donor**

Defining the mechanism whereby Myo/Nog cells protect neurons in the retina and brain (subcontract; no-cost extension – remaining funds)  
*Arturo Bravo Nuevo, PhD, Bio-Medical Sciences, PCOM*

**\$2,800**

**Hymed Group**

Biactive peptides/collagen  
*Qian Chen, PhD, Bio-Medical Sciences, PCOM*

**\$428,231**

**Organic Remedies**

Determinants of psychosocial and clinical outcomes in medical marijuana users  
*David Festinger, PhD, Clinical Psychology, PCOM*  
*Michelle Lent, PhD, Clinical Psychology, PCOM*  
*Kumar Mukherjee, PhD, Pharmaceutical Sciences, PCOM Georgia*

**\$390,004**

**Organic Remedies**

Examining the incremental effect of medical cannabis on pain management, psychosocial functioning and treatment outcomes in patients with opioid use disorder  
*David Festinger, PhD, Clinical Psychology, PCOM*  
*Michelle Lent, PhD, Clinical Psychology, PCOM*

**\$1,475,518**

**Patient-Centered Outcomes Research Institute**

Identifying optimal psychosocial interventions for patients receiving office-based buprenorphine  
*David Festinger, PhD, Clinical Psychology, PCOM*  
*Michelle Lent, PhD, Clinical Psychology, PCOM*

**\$57,982**

**Pennsylvania Department of Health**

Enhancing office-based buprenorphine treatment: An adaptive psychological approach (subcontract)  
*David Festinger, PhD, Clinical Psychology, PCOM*  
*Michelle Lent, PhD, Clinical Psychology, PCOM*

**\$761,646**

**Organic Remedies**

Medical Cannabis Research Center – administrative core  
*Katherine Galluzzi, DO, Geriatrics, PCOM*



## ONGOING GRANTS (continued)

**\$30,422**

### **Organic Remedies**

Medical marijuana usage at nursing home facilities in Pennsylvania

*Katherine Galluzzi, DO, Geriatrics, PCOM*

*Mindy George-Weinstein, PhD, Division of Research, PCOM*

**\$23,817**

### **Goldblatt Systems**

A retrospective analysis of de-identified electronic health records of SARS-CoV-2 negative and SARS-CoV-2 positive, asymptomatic and symptomatic residents in skilled nursing facilities using the Goldblatt Systems Virtual Clinical Semantic Network (vCSN)

*Katherine Galluzzi, DO, Geriatrics, PCOM*

**\$27,232**

### **Anonymous Donor**

Refine the technology for killing Myo/Nog cells in the lens to prevent the fibrotic disease called posterior capsule opacification (PCO) (subcontract; no-cost extension – remaining funds)

*Mindy George-Weinstein, PhD, Division of Research, PCOM*

**\$258,001**

### **Organic Remedies**

Assessment of the efficacy of medical marijuana for increasing analgesia, decreasing use of other pain medications, and improving quality-of-life and functioning among individuals with chronic neuropathic pain

*Frederick Goldstein, PhD, Bio-Medical Sciences, PCOM*

*Katherine Galluzzi, DO, Geriatrics, PCOM*

*Michelle Lent, PhD, Clinical Psychology, PCOM*

**\$24,646**

### **U.S. Department of Health and Human Services – Health Resources and Services Administration**

Pediatric Patient Care, Population Health, and Community Based Training (PPCT) project for dental students (subcontract)

*Erik Langenau, DO, Family Medicine, PCOM*

**\$1,840,015**

### **U.S. Department of Education**

Coronavirus Aid, Relief, and Economic Security (CARES) Act Higher Education Emergency Relief Fund - Institutions of Higher Education (student portion)

*Samuel Matheny, Offices of Financial Aid and Registrar, PCOM*

## ONGOING GRANTS (continued)

**\$2,014,876**

**U.S. Department of Education**

Coronavirus Aid, Relief, and Economic Security (CARES) Act Higher Education Emergency Relief Fund -Institutions of Higher Education (institutional portion)  
*Samuel Matheny, Offices of Financial Aid and Registrar, PCOM*

**\$1,261,130**

**U.S. Department of Education**

Financial Aid Grants to Graduate Students With Financial Need Associated With the Coronavirus  
*Samuel Matheny, Offices of Financial Aid and Registrar, PCOM*

**\$51,148**

**Arvinas, Inc.**

Determine the impact of AR-targeting PROTAC treatment on SBMA phenotypes using the dose and frequency identified in Aim 1  
*Heather Montie, PhD, Bio-Medical Sciences, PCOM*

**\$17,739**

**Kennedy's Disease Association**

Generation of a high-throughput in vivo assay to test potential therapeutics for SBMA (no-cost extension – remaining funds)  
*Heather Montie, PhD, Bio-Medical Sciences, PCOM*

**\$58,780**

**Organic Remedies**

Impact of medical marijuana law on marijuana usage in Pennsylvania  
*Kumar Mukherjee, PhD, Pharmaceutical Sciences, PCOM Georgia*  
*Jane Dumsha, PhD, Division of Research, PCOM*

**\$200,000**

**National Science Foundation**

Mechanisms of growth plate patterning revealed by natural variation in mammalian ossification  
*Philip Reno, PhD, Bio-Medical Sciences, PCOM*

**\$85,568**

**National Science Foundation**

Evolution and development of the hominoid wrist  
*Philip Reno, PhD, Bio-Medical Sciences, PCOM*

**\$23,624**

**NIH – National Institute of Allergy and Infectious Diseases**

Role of *Chlamydia trachomatis* Inc proteins in modulating the immune response (subcontract)  
*Jennifer Shaw, PhD, Bio-Medical Sciences, PCOM South Georgia*



## ONGOING GRANTS (continued)

**\$6,650**

**Aucta Pharmaceuticals**

The study for products of AP201908

*Zhiqian Wu, PhD, Pharmaceutical Sciences,  
PCOM Georgia*

**\$201,875**

**Aurinia Pharmaceuticals, Inc.**

Comparing the effects of voclosporin, cyclosporin A and tacrolimus on calcineurin isoform activity and mediators of fibrosis in kidney cells in vitro

*Xinyu Wang, PhD, Pharmaceutical Sciences,  
PCOM Georgia*

*Srujana Rayalam, PhD, Pharmaceutical Sciences,  
PCOM Georgia*

*Shashidharamurthy Taval, PhD, Pharmaceutical  
Sciences, PCOM Georgia*

## NEW GRANTS

**\$63,639**

**Code BioTherapeutics, Inc.**

Determination of uptake of fluorescent 3DNA in vitro and in vivo

*Mindy George-Weinstein, PhD, Division of Research, PCOM*

**\$820,202**

**Georgia Department of Education**

Governor's Emergency Education Relief Fund

*R. Bryan Ginn, Jr., Chief Campus Officer, PCOM Georgia*

**\$25,000**

**American College of Radiology**

HPI Imaging Policy Analytics for Clinical Transformation (IMPACT) Center (subcontract)

*Kumar Mukherjee, PhD, Pharmaceutical Sciences, PCOM Georgia*

**\$7,000**

**Jackson Laboratory**

Characterization of the cardiac electrophysiology and calcium dynamics in diversity outbred (DO) mice

*Eleonora Savio Galimberti, PhD, Bio-Medical Sciences, PCOM*

**\$15,000**

**NIH – National Heart, Lung and Blood Institute**

Evaluation of PKC $\epsilon$  and PKC  $\beta$ II inhibitors to provide myocardial protection in an acute porcine model of ischemia reperfusion injury in vivo

*Lindon Young, PhD, Bio-Medical Sciences, PCOM*