Summary of Grants

Division of RESEARCH REPORT
## Summary of Grants

**Ongoing Grants**

<table>
<thead>
<tr>
<th>Grant Amount</th>
<th>Institution</th>
<th>Project Description</th>
<th>Principal Investigators</th>
</tr>
</thead>
<tbody>
<tr>
<td>$120,000</td>
<td>Osteopathic Heritage Foundation</td>
<td>Center for Chronic Disorders of Aging endowment</td>
<td>Brian Balin, PhD, Bio-Medical Sciences, PCOM</td>
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<tr>
<td>$19,419</td>
<td>Anonymous Donor</td>
<td>Defining the mechanism whereby Myo/Nog cells protect neurons in the retina and brain</td>
<td>Arturo Bravo Nuevo, PhD, Bio-Medical Sciences, PCOM</td>
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<tr>
<td>$4,982</td>
<td>Hymed Group</td>
<td>Biactive peptides/collagen</td>
<td>Qian Chen, PhD, Bio-Medical Sciences, PCOM</td>
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<tr>
<td>$824,109</td>
<td>Organic Remedies</td>
<td>Determinants of psychosocial and clinical outcomes in medical marijuana users</td>
<td>David Festinger, PhD, Clinical Psychology, PCOM, Michelle Lent, PhD, Clinical Psychology, PCOM, Kumar Mukherjee, PhD, Pharmaceutical Sciences, PCOM Georgia</td>
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<tr>
<td>$367,066</td>
<td>Organic Remedies</td>
<td>Examining the incremental effect of medical cannabis on pain management, psychosocial functioning and treatment outcomes in patients with opioid use disorder</td>
<td>David Festinger, PhD, Clinical Psychology, PCOM, Michelle Lent, PhD, Clinical Psychology, PCOM</td>
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<tr>
<td>$1,402,610</td>
<td>Patient-Centered Outcomes Research Institute</td>
<td>Identifying optimal psychosocial interventions for patients receiving office-based buprenorphine treatment</td>
<td>David Festinger, PhD, Clinical Psychology, PCOM, Michelle Lent, PhD, Clinical Psychology, PCOM</td>
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<tr>
<td>$55,539</td>
<td>Pennsylvania Department of Health</td>
<td>Enhancing office-based buprenorphine treatment: An adaptive psychological approach</td>
<td>David Festinger, PhD, Clinical Psychology, PCOM, Michelle Lent, PhD, Clinical Psychology, PCOM</td>
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<tr>
<td>$582,849</td>
<td>Organic Remedies</td>
<td>Medical Cannabis Research Center – administrative core</td>
<td>Katherine Galluzzi, DO, Geriatrics, PCOM</td>
</tr>
</tbody>
</table>
Summary of Grants

Ongoing Grants (continued)

$49,907
Organic Remedies
Medical marijuana usage at nursing home facilities in Pennsylvania
Katherine Galluzzi, DO, Geriatrics, PCOM
Mindy George-Weinstein, PhD, Division of Research, PCOM

$102,435
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

$272,401
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

$24,938
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

$6,906
NIH – National Institute of Neurological Diseases and Stroke
Generation and characterization of a zebrafish model of SBMA (no-cost extension – remaining funds)
Heather Montie, PhD, Bio-Medical Sciences, PCOM
Summary of Grants

Ongoing Grants (continued)

$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

$35,113
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

$25,529
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

$6,650
Aucta Pharmaceuticals
The study for products of AP201908
Zhiqian Wu, PhD, Pharmaceutical Sciences, PCOM Georgia
### Summary of Grants

#### New Grants

<table>
<thead>
<tr>
<th>Amount</th>
<th>Organization</th>
<th>Fund Description</th>
<th>Principal Investigator</th>
<th>Institution</th>
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<tbody>
<tr>
<td>$23,817</td>
<td>Goldblatt Systems</td>
<td>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)</td>
<td>Katherine Galluzzi, DO, Geriatrics, PCOM</td>
<td>PCOM</td>
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<td>$15,000</td>
<td>NIH – National Library of Medicine</td>
<td>Mobile hotspots for stable Internet access</td>
<td>Persko Grier, MLS, Library, PCOM</td>
<td>PCOM</td>
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<td>$1,261,130</td>
<td>U.S. Department of Education</td>
<td>Financial Aid Grants to Graduate Students With Financial Need Associated With the Coronavirus</td>
<td>Samuel Matheny, Offices of Financial Aid and Registrar, PCOM</td>
<td>PCOM</td>
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<tr>
<td>$53,530</td>
<td>Pennsylvania Department of Education</td>
<td>Governor’s Emergency Education Relief Fund</td>
<td>Samuel Matheny, Offices of Financial Aid and Registrar, PCOM</td>
<td>PCOM</td>
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<td>$18,784</td>
<td>Arvinas, Inc.</td>
<td>Evaluate polyQ100-AR degradation by AR-targeting PROTACs</td>
<td>Heather Montie, PhD, Bio-Medical Sciences, PCOM</td>
<td>PCOM</td>
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<td>$201,857</td>
<td>Aurinia Pharmaceuticals, Inc.</td>
<td>Comparing the effects of voclosporin, cyclosporin A and tacrolimus on calcineurin isoform activity and mediators of fibrosis in kidney cells in vitro</td>
<td>Xinyu Wang, PhD, Pharmaceutical Sciences, PCOM Georgia</td>
<td>PCOM Georgia</td>
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