

2020-2021 ANNUAL REPORT



LEADERSHIP

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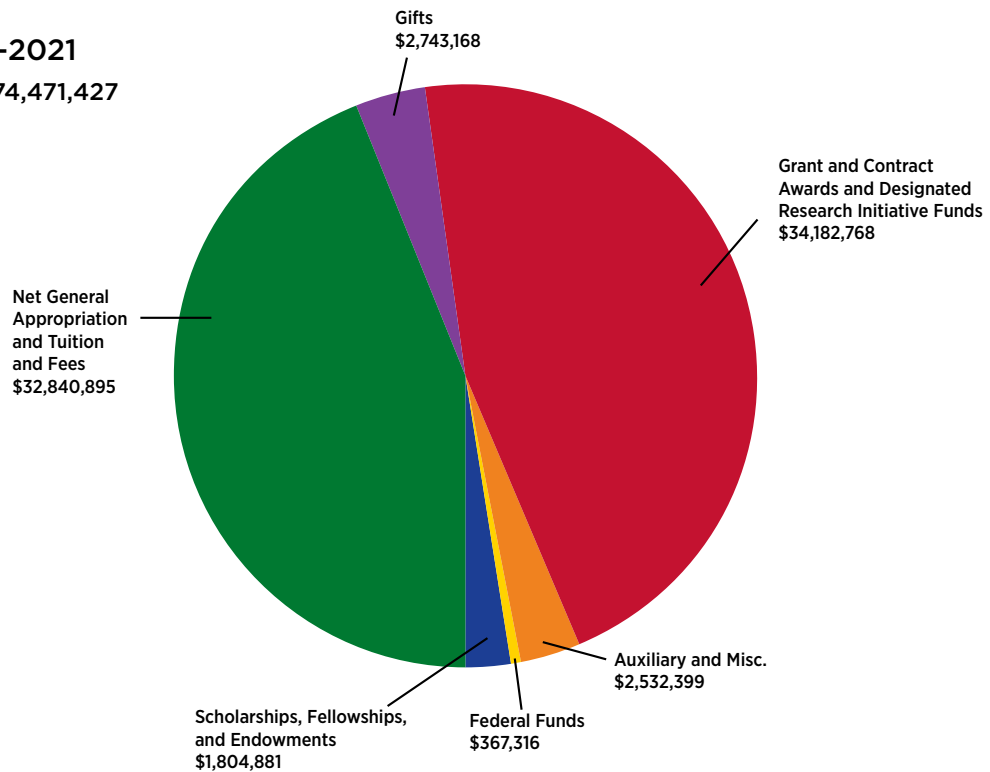
Nicole Derr, Greer Griffith, and Robert Karrs

SOURCES OF OPERATING REVENUES SUPPORTING THE SCHOOL

This report is an unaudited presentation of revenues supporting the School.

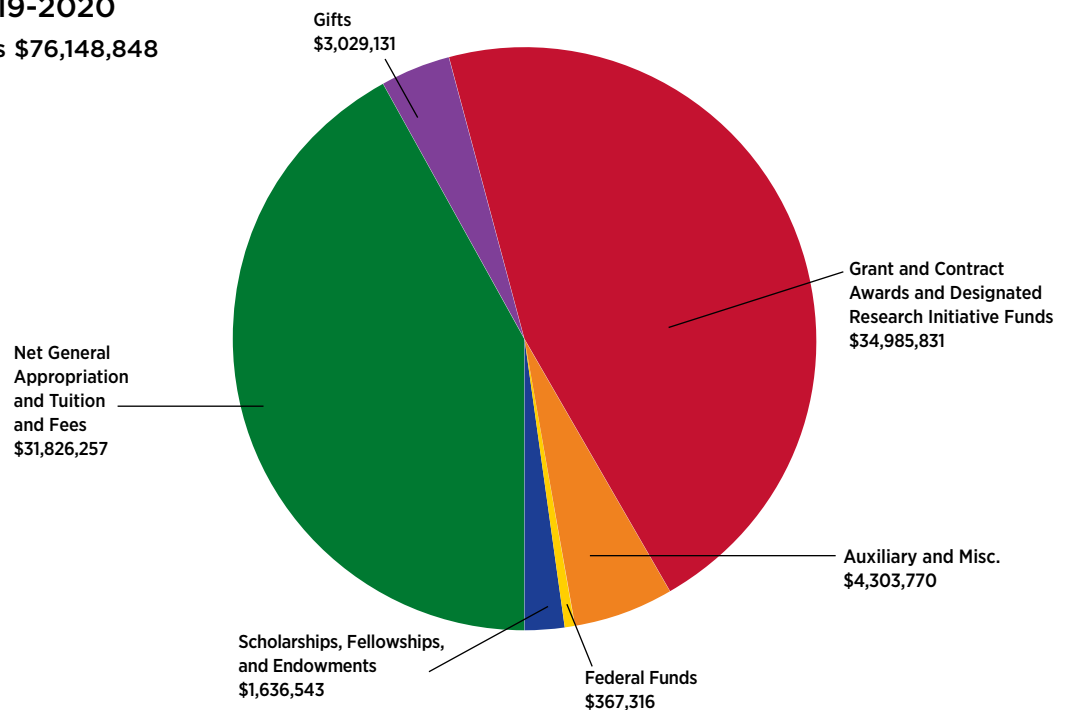
FISCAL YEAR 2020-2021

Total Source of Funds \$74,471,427



FISCAL YEAR 2019-2020

Total Source of Funds \$76,148,848



DEPARTMENT OF PHARMACEUTICAL HEALTH SERVICES RESEARCH (PHSR)

PROJECT INVESTIGATOR	RANK/TITLE	PROJECT TITLE	SPONSOR NAME	PROJECT TOTAL
Meghna Bhatt	Student Pharmacist	Predictors of COVID-19 Outcomes as a Function of Resource Access	American Foundation for Pharmaceutical Education	\$5,000
Wendy Camelo Castillo	Assistant Professor	University of Maryland Center of Excellence in Regulatory Science and Innovation (M-CERSI)	Food & Drug Administration	\$39,703
Peter Doshi	Associate Professor	Restoring Invisible and Abandoned Trials Support Center	Laura and John Arnold Foundation	\$306,940
Susan dosReis	Professor	A Targeted Safety Study, EPI-ZOSTER-032 VS, to Evaluate the Safety of Shingrix in Adults Over 65 Years of Age in the United States	GlaxoSmithKline	\$724,150
Susan dosReis	Professor	Center for Patient-Focused Value Assessment	Pharmaceutical Research and Manufacturers of America	\$166,162
Susan dosReis	Professor	Defining and Prioritizing Patient Preferences in Major Depressive Disorder	Innovation and Value Initiative	\$87,580
Susan dosReis	Professor	Impact of COVID-19 on Patient Values in Health Care	Pharmaceutical Research and Manufacturers of America	\$77,398
Susan dosReis	Professor	State of Maryland Foster Care Psychotropic Database Monitoring	Maryland Department of Human Services	\$99,991
Laura Gressler	Graduate Student	ORISE Fellowship	Oak Ridge Institute for Science and Education	\$57,644
Kayleigh Majercak	Graduate Student	Overcoming Evidence-Based Gaps: A Patient Survey Template to Inform Patient-Centered Value Assessment	National Health Council	\$33,333
Joey Mattingly	Associate Professor	Engaging Multiple Stakeholders While Quarantined: A Virtual Conference for Infectious Disease-Focused Patient-Centered Outcomes Research and Comparative Effectiveness Research	Patient-Centered Outcomes Research Institute	\$99,246
Joey Mattingly	Associate Professor	Resolve to Save Lives	Johns Hopkins University	\$34,567
Joey Mattingly	Associate Professor	The Treatment of Pediatric Diaphyseal Femur Fractures: A Clinical Trial Planning Grant	Children's National Health System	\$27,223
Joey Mattingly	Associate Professor	University of Maryland Center of Excellence in Regulatory Science and Innovation (M-CERSI)	Food & Drug Administration	\$25,000
Michelle Medeiros	Director of Research	COmmunity Based Development of CollaboRative and Sustainable PartNerships in PCOR/CER (CO-DRIVEN)	Patient-Centered Outcomes Research Institute	\$123,714
Michelle Medeiros	Director of Research	Developing Infrastructure for Research to Utilize Patient-Centered Techniques (DISRUPTS) at SLHS	St. Lawrence Health System	\$110,296

GRANT AND CONTRACT AWARDS

C. Daniel Mullins	Professor	Building Trust to Enhance Diversity in Aging Research	National Institute on Aging	\$1,065,769
C. Daniel Mullins	Professor	Capacity Building for a Learning Patient-Centered Outcomes Research (PCOR) System	Patient-Centered Outcomes Research Institute	\$121,490
C. Daniel Mullins	Professor	Communities and Universities Engaged to Fight COVID-19 (CUE COVID-19)	Johns Hopkins University	\$143,229
C. Daniel Mullins	Professor	Pragmatic Clinical Trials of Proton vs. Photon Therapy for Patients with Breast and Lung Cancer	University of Pennsylvania	\$33,081
C. Daniel Mullins	Professor	Telehealth Utilization Project	Institute for Clinical Research, Inc.	\$44,917
C. Daniel Mullins	Professor	The PATIENTS Bridge: Connecting the Community and Research to Improve Health	Bayer Corp. USA	\$5,000
C. Daniel Mullins	Professor	University of Maryland Center of Excellence in Regulatory Science and Innovation (M-CERSI)	Food & Drug Administration	\$300,000
Ebere Onukwugha	Professor	Non-Hodgkin's Lymphoma Health Care Resource Utilization and Costs of Care: A SEER-Medicare Analysis	BeiGene Ltd.	\$110,125
Ebere Onukwugha	Professor	University of Maryland, Baltimore Fellowship Training Program	Sanofi U.S.	\$56,110
Eleanor Perfetto	Professor	Evidence Quality in Economic Evaluations	Pharmaceutical Research and Manufacturers of America	\$43,249
Eleanor Perfetto	Professor	Evidence Quality in Economic Evaluations - Phase 1	Innovation and Value Initiative	\$43,249
Eleanor Perfetto	Professor	Is There a Relationship Between Health Literacy and Patient Preferences? A Pilot Study Among Breast Cancer Patients	Merck Research Laboratories	\$90,682
Danya Qato	Associate Professor	Culture of Health Leaders	Robert Wood Johnson Foundation	\$31,666
Fadia Shaya	Professor	Data Science to Power Implementation with Social Determinants of Health - From Data to Action	National Institutes of Health	\$25,000
Fadia Shaya	Professor	Evaluation Services for the Maryland Overdose Data to Action Project	Maryland Department of Health	\$243,834
Fadia Shaya	Professor	Strategic Targeting of Prescription Drug Misuse in Maryland Communities	Maryland Department of Health	\$275,116
Fadia Shaya	Professor	Technical Assistance/Evaluation for the Maryland Substance Abuse Prevention and Treatment Block Grant (SABG) Prevention Program	Maryland Department of Health	\$269,057

GRANT AND CONTRACT AWARDS

Farideh Sistani	Ellen H. Yankellow Fellow in Health Outcomes	Quantifying Health and Economic Impacts of Medicare/Medicaid Policies to Reduce Co-Payments for Chronic Pulmonary Disease Patients Using Inhalers	American Foundation for Pharmaceutical Education	\$5,000
Ester Villalonga Olives	Assistant Professor	The Cultural Adaptation of Tools to Evaluate Health Literacy and Cancer Knowledge in Foreign- Born and Native-Born Hispanics	Merck Research Laboratories	\$168,831
Linda Wastila	Parke-Davis Chair of Geriatric Pharmacotherapy	Novartis Outcomes Research Fellowship	Novartis Pharmaceuticals Corp.	\$234,140
Linda Wastila	Parke-Davis Chair of Geriatric Pharmacotherapy	Antipsychotic Reduction in Nursing Home Residents with Alzheimer's Disease: Impact on State, Facility, and Resident Psychopharmacological Medication Use and Outcomes	National Institute on Aging	\$580,545
Zafar Zafari	Assistant Professor	Developing a National Microsimulation Model of Chronic Obstructive Pulmonary Disease (COPD) to Evaluate Different Policies and Interventions in Reducing the Burden of the Disease	American Lung Association	\$50,000
Zafar Zafari	Assistant Professor	Projecting Health and Medical Economic Effects of Airplane Noise Around the BWI Thurgood Marshall Airport	Maryland Department of Transportation	\$100,000
PHSR Total				\$6,058,037

DEPARTMENT OF PHARMACY PRACTICE AND SCIENCE (PPS)

PROJECT INVESTIGATOR	RANK/TITLE	PROJECT TITLE	SPONSOR NAME	PROJECT TOTAL
Bruce Anderson	Professor	Enhanced Toxidromic Surveillance Using Poison Center Data	Maryland Department of Health	\$30,000
Bruce Anderson	Professor	Maryland Poison Center Financial Stabilization Grant	Health Resources and Services Administration	\$254,106
Bruce Anderson	Professor	Memorandum of Understanding	Maryland Department of Health	\$1,678,807
Bruce Anderson	Professor	Surveillance of the RADARS by Poison Control Centers: Pilot	Denver Health and Hospital Authority	\$21,957
Nicole Brandt	Professor	Empirian Short-Stay Prescribing Guidelines	Empirian Health	\$56,700
Nicole Brandt	Professor	Engaging Older Adults and Caregivers in Medication Optimization Research	Patient-Centered Outcomes Research Institute	\$128,743
Nicole Brandt	Professor	Geriatrics Workforce Enhancement Program	Johns Hopkins University	\$35,000

GRANT AND CONTRACT AWARDS

Nicole Brandt	Professor	MedStar Good Samaritan Hospital Service Agreement	MedStar Good Samaritan Hospital	\$13,311
Nicole Brandt	Professor	U.S. Deprescribing Research Network	University of California, San Francisco	\$33,667
Kimberly Claeys	Associate Professor	Implementation of Clinical Decision Support to Optimize Time to Effective Therapy in Multi-Drug Resistant <i>Pseudomonas</i> : Crossroads of Antimicrobial and Diagnostic Stewardship	Merck Research Laboratories	\$58,265
Catherine Cooke	Research Associate Professor	Part D Enhanced Medication Therapy Management Technical Implementation Support	IMPAQ International, LLC	\$34,486
Ryan Costantino	Graduate Student	Evaluation of Strategies to Enhance Hospice Patient and Informal Caregiver Knowledge and Confidence of Commonly Used Medications	Society of Pain and Palliative Care Pharmacists	\$2,500
Bethany DiPaula	Professor	Expanding the Maryland Opioid Academic Detailing Project to Include Maryland Pharmacists	Maryland Department of Health	\$49,900
Meghan Ehret	Professor	Antipsychotic Prescription Review Program	Maryland Department of Health	\$867,019
Joga Gobburu	Professor	Batch-to-Batch Variability of Advair: Exploring Solutions for Generic BE Pathway	Food & Drug Administration	\$103,249
Joga Gobburu	Professor	Postdoctoral Fellowship Program	Gilead Sciences	\$90,212
Joga Gobburu	Professor	Master Service Agreement and Proposal for Pharmacokinetic Analysis of MGD014	MacroGenics, Inc.	\$35,000
Joga Gobburu	Professor	Pharmacokinetic Analysis Plan	Collegium Pharmaceutical	\$8,000
Joga Gobburu	Professor	Pharmacokinetic/ Pharmacodynamic Analyses of Alliance Protocol A021602: A Randomized, Double-Blind Phase 3 Study of Cabozantinib Vs. Placebo in Patients with Advanced Neuroendocrine Tumors After Progression on Everolimus	Alliance for Clinical Trials in Oncology Foundation	\$43,999
Joga Gobburu	Professor	PITT-CAL Experimental Therapeutics Clinical Trials Network Pharmacokinetic Resource Laboratory	University of Pittsburgh	\$18,612
Joga Gobburu	Professor	Postdoctoral Training in Pediatric Clinical Pharmacology	Children's Research Institute	\$63,854
Joga Gobburu	Professor	Proposal for Pharmacokinetic Analysis of Obicetrapib	NewAmsterdam Pharma B.V.	\$150,000

GRANT AND CONTRACT AWARDS

Joga Gobburu	Professor	Chesapeake-Ohio Pharmacokinetic Core for the Experimental Therapeutics Clinical Trials Network	Johns Hopkins University	\$9,307
Mathangi Gopalakrishnan	Assistant Professor	Consulting Services Related to Meabco Inc.'s Proprietary Compound, BP-C2	Meabco Inc.	\$7,639
Mathangi Gopalakrishnan	Assistant Professor	Optimizing Maternal Nutrition: Adaptive Trials and Molecular Methods to Improve Maternal and Newborn Health (MM4MN)	George Washington University	\$21,935
Mathangi Gopalakrishnan	Assistant Professor	Proposal for DFN-15 (Celecoxib Oral Solution) - Model-Informed Drug Development	Dr. Reddy's Laboratories Ltd.	\$155,000
Mathangi Gopalakrishnan	Assistant Professor	Proposal for Ketamine and Esketamine Formulations - Model-Informed Drug Development Approach	West Therapeutic Development, LLC	\$330,000
Mathangi Gopalakrishnan	Assistant Professor	Proposal for Leukine Analysis & Reporting	Partner Therapeutics	\$350,000
Mathangi Gopalakrishnan	Assistant Professor	Population Pharmacokinetics and Exposure-Response Analysis	G1 Therapeutics	\$35,000
Lauren Hynicka	Associate Professor	Hepatitis C Virus (HCV) Review Program	Maryland Department of Health	\$532,431
Vijay Ivaturi	Assistant Professor	Preclinical Modeling to Study Tuberculous Meningitis	Johns Hopkins Health System Corp.	\$12,550
Raymond Love	Professor	Eastern Shore Hospital Center - Pharmacy Services	Maryland Department of Health	\$442,294
Raymond Love	Professor	Peer Review Program for Mental Health Drugs in Children and Adolescents	Maryland Department of Health	\$2,624,828
Raymond Love	Professor	Pharmacy Services	Maryland Department of Health	\$6,152,914
Mary Lynn McPherson	Professor	PGY2 Pain and Palliative Care Residency	Union Memorial Hospital	\$149,832
Faisal Minhaj	Clinical Toxicology Fellow	<i>In vitro</i> Analysis of the Interference of N-Acetylcysteine on International Normalized Ratio Values	American Academy of Clinical Toxicology	\$4,000
Jill Morgan	Professor and Chair	Clinical Pharmacy Services	Maryland Department of Health	\$185,103
Jill Morgan	Professor and Chair	IPA Agreement	VA Maryland Health Care System	\$43,092
Jason Noel	Associate Professor	Facilities and Community Based Psychopharmacology Consultation	Maryland Department of Health	\$109,476
Neha Pandit	Professor	Antiretroviral Adherence Improvement Through Collaboration Among Prescribers, Payers, Pharmacists, and Health Department Programs (AdhereP4)	Maryland Department of Health	\$499,500

GRANT AND CONTRACT AWARDS

Neha Pandit	Professor	Incidence and Severity of Drug Interactions Before and After Switching Antiretroviral Therapy to Bictegravir/Emtricitabine/Tenofovir Alafenamide in Treatment Experienced Patients	Thomas Jefferson University	\$5,200
Charmaine Rochester-Eyeguokan	Professor	emocha Mobile Health Task Order #2	emocha Mobile Health Inc.	\$6,732
Magaly Rodriguez de Bittner	Gyi Endowed Professor in Pharmapreneurship and Associate Dean	Collaboration Agreement	Calvert Internal Medicine	\$87,450
Magaly Rodriguez de Bittner	Gyi Endowed Professor in Pharmapreneurship and Associate Dean	Collaboration Agreement	Maryland Primary Care Physicians	\$87,136
Magaly Rodriguez de Bittner	Gyi Endowed Professor in Pharmapreneurship and Associate Dean	Memorandum of Understanding - West Baltimore Mobile Integrated Health Community Health Program	University of Maryland Medical System	\$253,379
PPS Total				\$15,882,185

DEPARTMENT OF PHARMACEUTICAL SCIENCES (PSC)

PROJECT INVESTIGATOR	RANK/TITLE	PROJECT TITLE	SPONSOR NAME	PROJECT TOTAL
Alexandria Chan	Graduate Student	Polypharmacological Rescue of Proteasome Inhibitor Efficacy in Multiple Myeloma: Dual Inhibition of HDAC6	American Chemical Society	\$30,000
Daniel Deredge	Assistant Professor	Mechanisms of PARP1-Chromatin Interactions to Regulate RNA Biogenesis and Processing	University of Kentucky	\$11,639
Daniel Deredge	Assistant Professor	Purchase Order for Hydrogen/Deuterium Exchange Mass Spectrometry	Janssen Pharmaceuticals	\$50,000
Jack Henderson	Graduate Student	Unveiling Proton-Coupled Mechanisms of Malarial Proteases and Sodium-Proton Antiporters to Advance Structure-Based Drug Design	American Foundation for Pharmaceutical Education	\$10,000
Stephen Hoag	Professor	Assessment of Smoking and Vaping Risk of Opioids and Commercial Products and Standardization of Methods to Assess These Properties	National Institute for Pharmaceutical Technology and Education	\$116,500
Stephen Hoag	Professor	Development and Testing of Nano Particulate Delivery System for Heterotopic Ossification Therapy	Maryland Industrial Partnerships	\$68,252

GRANT AND CONTRACT AWARDS

Stephen Hoag	Professor	Excipient Analysis and Formulation Testing for Oral Delivery Systems	Roquette Corp.	\$20,000
Stephen Hoag	Professor	Formulation of Hydrocodone Bitartrate Opioid Drug Product Expected to Have Similar Rate and Extent of Release as Hysingla Intact Tablet But Designed to Be Inferior Product When Chewed	National Institute for Pharmaceutical Technology and Education	\$47,866
Stephen Hoag	Professor	GMP Over Encapsulation of Commercial Ibuprofen, Acetaminophen, and Hydrocodone-Acetaminophen Combination Tablets	Rutgers, The State University of New Jersey	\$134,738
Stephen Hoag	Professor	Manufacturing an <i>in vitro</i> Component for Evaluating Generic and New Animal Formulations That Are Not Systemically Absorbed	Food & Drug Administration	\$31,139
Stephen Hoag	Professor	Stability Testing of Selected Drug Products	Johns Hopkins University	\$32,113
Stephen Hoag	Professor	Sustained Release Epinephrine Gel for Use in Gastrointestinal Endoscopy	Johns Hopkins University	\$41,250
Stephen Hoag	Professor	Human Dose-Response Effects of Methyl Salicylate in Smokeless Tobacco	Battelle Memorial Institute	\$19,562
Danté Johnson	Graduate Student	A New Platform for Studying Protein Folding in Live Cells	National Institutes of Health	\$35,389
Jace Jones	Assistant Professor	Development of a Standard Protocol for COVID-19 Detection Using Bio-typing Through Viral Proteins	MassTech	\$67,965
Jace Jones	Assistant Professor	Dysregulation of Autophagy-Lysosomal Function Links TBI to Late-Onset Neurodegeneration	National Institutes of Health	\$105,825
Jace Jones	Assistant Professor	Mechanism of Membrane Inactivation Method to Prepare Enveloped Virus Vaccines	Cornell University	\$52,783
Jace Jones	Assistant Professor	Rapid and Comprehensive Detection of SARS-CoV-2 Envelope Lipids	Agilent Technologies, Inc.	\$48,000
Jace Jones	Assistant Professor	Role and Function of Peroxisomal Ether Phospholipids in Traumatic Brain Injury	National Institutes of Health	\$123,486
Jace Jones	Assistant Professor	Sphingolipid Metabolism as a Diagnostic Marker of Hepatotoxicity in Drug-Induced Liver Injury	American Society for Mass Spectrometry	\$35,000
Lisa Jones	Associate Professor	Development of a Novel Pulse-Chase In Cell Footprinting Method for Protein Folding Analysis	National Institute of General Medical Sciences	\$294,438

GRANT AND CONTRACT AWARDS

Lisa Jones	Associate Professor	Development of an <i>in vivo</i> Footprinting Method Coupled with Mass Spectrometry in <i>C. elegans</i>	National Institute of General Medical Sciences	\$309,000
Lisa Jones	Associate Professor	REGENXBIO Research Services Agreement	REGENXBIO, Inc.	\$52,500
Maureen Kane	Professor	AXR Series: Biomarker to Clinical Output	SRI International	\$1,423,778
Maureen Kane	Professor	Biomarkers: A Multidisciplinary Approach to Predict Clinical Outcome for Radiation-Induced Lung Injury	Columbia University	\$38,617
Maureen Kane	Professor	Dysregulation of Autophagy-Lysosomal Function Links TBI to Late-Onset Neurodegeneration	National Institutes of Health	\$105,398
Maureen Kane	Professor	Exploratory Pilot Studies to Demonstrate Mechanisms of Preventing Antibiotic-Associated Diarrhea and the Role for Probiotics	Georgetown University	\$49,284
Maureen Kane	Professor	Retinoic Acid Synthesis Induced by Noncoding Double-Stranded RNA Controls Regeneration	Johns Hopkins University	\$60,000
Maureen Kane	Professor	University of Maryland Center of Excellence in Regulatory Science and Innovation (M-CERSI)	Food & Drug Administration	\$184,441
Alexander MacKerell Jr.	Grollman-Glick Professor	Development of GCPII Inhibitors for the Treatment of Age-Related Cognitive Disorders	Johns Hopkins University	\$115,576
Alexander MacKerell Jr.	Grollman-Glick Professor	Macromolecular Conformational Heterogeneity	National Institute of General Medical Sciences	\$722,975
Sarah Michel	Professor and Associate Dean	ICP and MS Analysis of Prostate Cancer Patient Clinical Samples: Fee for Service	University of Maryland Baltimore Foundation	\$24,000
Sarah Michel	Professor and Associate Dean	Role of Zinc Fingers in H2S Signaling	National Institutes of Health	\$369,442
Sarah Michel	Professor and Associate Dean	University of Maryland Center of Excellence in Regulatory Science and Innovation (M-CERSI)	Food & Drug Administration	\$82,973
Amanda Oglesby	Associate Professor	Metallobiochemistry of Innate Immunity and Bacterial Physiology	Massachusetts Institute of Technology	\$114,532
Amanda Oglesby	Associate Professor	Role of PrrF and PrrH Regulation in <i>Pseudomonas aeruginosa</i> Pathogenesis	National Institute of Allergy and Infectious Diseases	\$423,247
Ryan Pearson	Assistant Professor	Target Site Distribution Kinetics of EK101	Maryland Industrial Partnerships	\$68,253
James Polli	Shangraw/Noxell Endowed Chair	Center for Research on Complex Generics	Food & Drug Administration	\$1,000,000

GRANT AND CONTRACT AWARDS

James Polli	Shangraw/Noxell Endowed Chair	University of Maryland Center of Excellence in Regulatory Science and Innovation (M-CERSI)	Food & Drug Administration	\$969,895
Jordan Pritts	Graduate Student	Characterizing the CPSF30/NS1A Interaction: A Novel Influenza Drug Target	American Foundation for Pharmaceutical Education	\$10,000
Paul Shapiro	Professor	Preclinical Development of Function-Selective p38alpha Inhibitors	GEnIE Lifesciences Inc.	\$46,752
Jana Shen	Professor	A Multi-Pronged Computational Approach to Advance Kinase Drug Discovery	National Institutes of Health	\$363,428
Jana Shen	Professor	Electrobiofabricated Thin Films for Redox-Linked Bioelectronics	University of Maryland, College Park	\$53,999
Jana Shen	Professor	Electrostatic Modulation of Protein Dynamics and Interactions	National Institute of General Medical Sciences	\$347,625
Peter Swaan	Professor, Chair, and Associate Dean	Structural Biology of the Apical Bile Acid Transporter	National Institute of Diabetes & Digestive & Kidney Diseases	\$350,326
Hongbing Wang	Professor	Function and Regulation of SLC13A5 in the Liver	National Institute of General Medical Sciences	\$297,413
Hongbing Wang	Professor	Human CYP2B6 in Alcohol Metabolism and Alcoholic Liver Injury	National Institutes of Health	\$222,094
Hongbing Wang	Professor	Understanding the Pathogenesis of Elevated Androgen-Induced Metabolic Dysfunction in Females	Temple University	\$37,178
Hongbing Wang	Professor	University of Maryland Center of Excellence in Regulatory Science and Innovation (M-CERSI)	Food & Drug Administration	\$83,993
Angela Wilks	Isaac E. Emerson Chair	Integration of Heme Acquisition and Signaling in Gram-Negative Pathogens	National Institutes of Health	\$497,496
Angela Wilks	Isaac E. Emerson Chair	Mechanistic Characterization and Regulation of the Non-Redundant <i>phu</i> and Heme Uptake Systems of <i>Pseudomonas aeruginosa</i>	National Institute of Allergy and Infectious Diseases	\$383,301
Patrick Wintrose	Associate Professor	Toward Targeting Bacterial Metabolism: Probing Essentiality, Function, and Mechanism of DXP Synthase	Johns Hopkins University	\$29,290
Fengtian Xue	Associate Professor	Antipseudomonal Agent GaSal: A Dual Inhibitor of <i>Pseudomonas aeruginosa</i> Heme Sensing and Iron Uptake	Maryland Technology Development Corp.	\$115,000
Fengtian Xue	Associate Professor	Developing Novel Drugs for Therapeutic Targets in Neurodegeneration	Johns Hopkins University	\$15,000
Fengtian Xue	Associate Professor	Developing Switchable Electrophiles as Specific Covalent Protein Modifiers for Therapeutic Targets	University of Texas at Austin	\$135,590

GRANT AND CONTRACT AWARDS

Fengtian Xue	Associate Professor	<i>Pseudomonas aeruginosa</i> Heme Sensing Inhibitors Targeting HasAp	National Institutes of Health	\$231,750
Bruce Yu	Professor	Nondestructive Analytics for Vaccines and Complex Drugs	Food & Drug Administration	\$228,159
			PSC Total	\$10,938,250

Department of Pharmaceutical Health Services Research (PHSR)	\$6,058,037
Department of Pharmacy Practice and Science (PPS)	\$15,882,185
Department of Pharmaceutical Sciences (PSC)	\$10,938,250

Grand Total \$32,878,472

Loyal donors provide the foundation for the School of Pharmacy's success.

Thank you to everyone — our alumni, faculty, staff, and friends — who has invested in the University of Maryland School of Pharmacy.

LEGACY COUNCIL

The Legacy Council of the University of Maryland acknowledges those who have made generous contributions to the School of Pharmacy through their estate plans.

Anyone who has made such a gift is eligible for membership in the Legacy Council. To qualify, simply provide the School of Pharmacy's Office of Development and Alumni Affairs with documentation of the gift or a copy of the relevant document in which the School is named as a beneficiary (www.umbfplannedgiving.org). For additional information about membership in the Legacy Council and estate planning, please contact the Office of Development and Alumni Affairs at 410-706-5893 or email ggriffith@rx.umaryland.edu.

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Harold E. Chappellear, DSc '98 (Hon.)	Sophia Kallelis=	Paul A. Pumpian, BSP '50=	= Signifies Deceased
Gerald I. Cohen, BSP '58=	Theodore S. Kallelis, PhD '57=	Michael B. Rodell, BSP '58	

DAVID STEWART ASSOCIATES

In the mid-1980s, several dedicated alumni and friends established a premier giving society, the David Stewart Associates (DSA), to fund Schoolwide initiatives that would propel the University of Maryland School of Pharmacy nationally as a leader in pharmacy education. This leadership giving society honors David Stewart, America's first professor of pharmacy and a founder of the University of Maryland School of Pharmacy, who symbolized a passion for excellence and commitment to pharmacy education.

The founding members of the DSA are:

Elwin Alpern, BSP '51=	Mayer Handelman, BSP '54=	Martin B. Mintz, PD, BSP '65	Arthur N. Riley, BSP '70, MS '72
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