

Midwestern University Annual Research Report

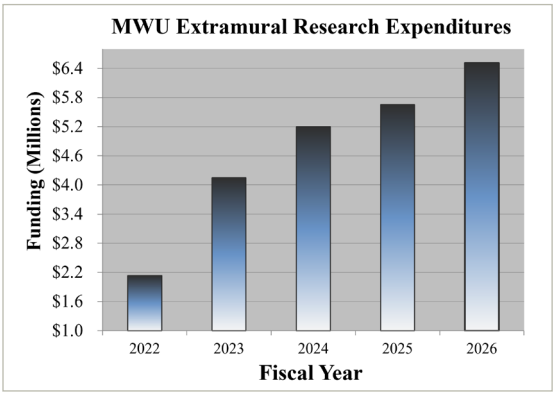
Together, we'll guide the future of tomorrow's health care

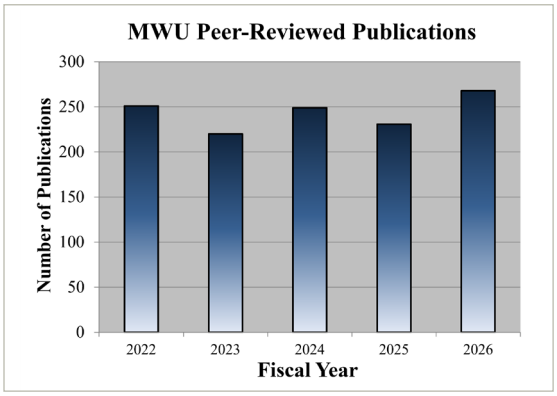
OFFICE OF RESEARCH AND SPONSORED PROGRAMS

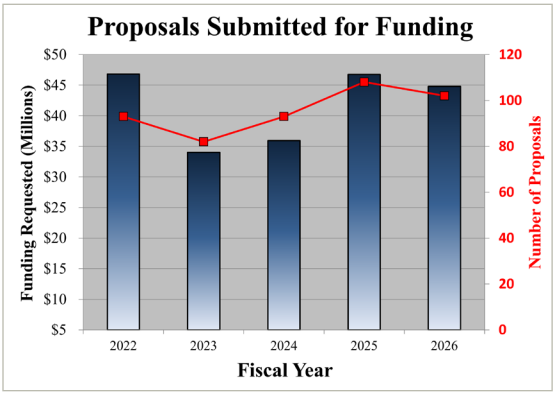
July 1, 2025 - June 30, 2026

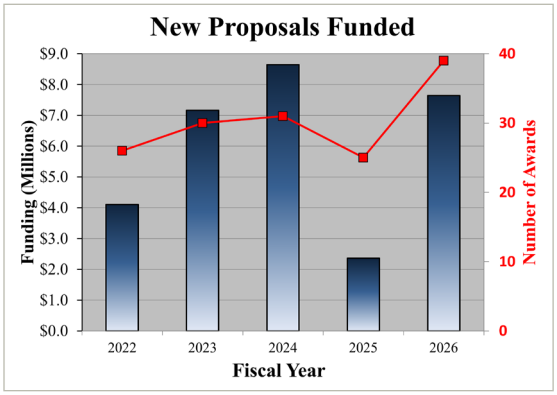
Historical Research Support and Activity Data

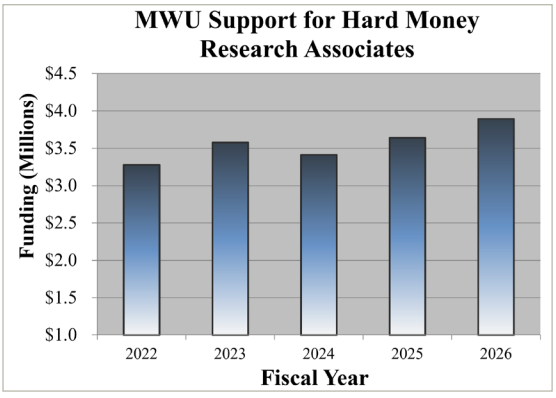
The Midwestern University (MWU) Annual Research Report showcases the achievements and continued progress of the university's research community. The following graphs provide a five-year overview of key research activity and support metrics, demonstrating faculty successes and MWU's sustained commitment to research excellence. We thank our faculty, research staff, and students for their ongoing efforts, innovation, and scholarship, which drive the success and growth of MWU's research programs.

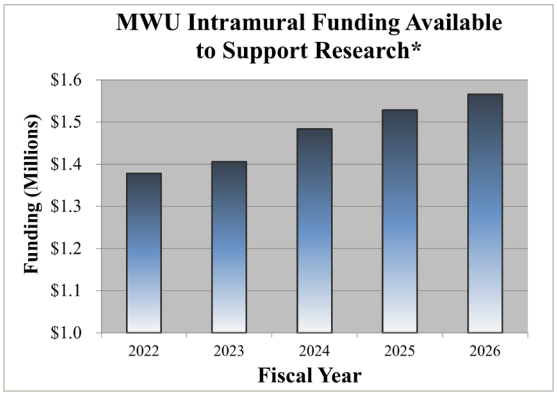












*Includes intramural funding (grants, fellowships, travel, etc) provided to all MWU colleges and available from the ORSP



James M. Woods, PhD
Assistant Vice President of Research

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Fast Research Facts 2025 - 2026

Support for Faculty Research

- All Midwestern University (MWU) faculty are in 100% "hard money" (university-funded) positions, where they are strongly encouraged, but not dependent upon bringing in extramural funding
- Faculty who receive grants which support hard money salary positions can earn "additional compensation" through the MWU Recaptured Salary Incentive
  - § MWU faculty received $598,640 in such incentives for FY 2026
- MWU provides hard money research technicians who directly work with faculty, including 57.9 Full Time Equivalents funded at $3,893,924 for FY 2026
- New faculty are provided start-up packages
- Faculty can request capital research equipment through the university:
  - § MWU purchased $990,309 in capital research equipment during FY 2026
  - § Each campus received a new confocal microscope in FY 2022 and FY 2023
- Intramural funding is available for faculty who actively seek extramural funding and for students applying for fellowships and travel, including $1,565,412 budgeted in FY 2026

Support for Student Research

- MWU makes a significant commitment to student research, demonstrated through the awarding of 111 fellowships at a total cost of $557,264 for research stipends in FY 2026
- MWU's Research Days, held on each campus, had a total of 427 abstracts in 2026 where almost all of these were by students engaged in research
- MWU pays for high-quality poster printing for its students and faculty, including a budget of $19,492 for printing research posters through the ORSP in FY 2026
- MWU supports students to travel and present their research data, including up to $500 of support for first author students who have an abstract accepted at a national meeting

Research Facilities

- In FY 2025 MWU initiated construction of a new academic building on the Downers Grove campus which will add 8,255 sq ft of research space at a cost of $8,500,000
- In FY 2024 and FY 2025 Research Operations made improvements on the Glendale campus, primarily in the Foothills Science Center totaling $131,265:
  - § New breakroom for faculty, staff, and student researchers
  - § Renovated freezer farm area
  - § Additional back-up electrical power
  - § Replaced old break room and dark room with newly renovated lab space
- In FY 2025 Animal Facilities purchased and installed new animal caging:
  - § AZ: ventilated cage rack for mice and hamsters ($64,964)
  - § IL: recirculating Xenopus housing rack and a fish dosing and alarm system ($34,483)

Office of Research & Sponsored Programs (ORSP)

- MWU's ORSP handles both pre-award and post-award grant and contract submissions, including 102 proposals submitted in FY 2026 requesting $44,806,906
- MWU's ORSP offers intramural funds to all colleges and the following full time positions to support faculty research:
  - § A Grants Administrator, a Grants Specialist, and a Grants Manager to assist faculty with grant and budget preparation, grant submission, and post-award processing
  - § Research Administrators on each campus to assist MWU's IACUC, IRB, Radiation Safety and Biosafety Committees
  - § A Manager of Bio/Clinical Statistics and a Data Analyst to assist with data management and statistical needs
  - § IP and Contracts Administrators on each campus to assist with legal agreements
  - § ORSP Associate Directors and Research Compliance Specialists on both campuses to help ensure MWU performs research in a manner compliant with federal, state and MWU regulations
- For faculty involved in animal research who are seeking extramural funding, the ORSP can waive animal *per diem* charges, including $217,659 of waived charges in FY 2026
- In FY 2026, MWU's ORSP offered $5,250 to support a Research Seminar Series where faculty can invite experts in their field for scientific presentations

Funding Success

- MWU's extramural research expenditures during FY 2026 totaled $6,512,217
- During FY 2026, MWU faculty were awarded federal funding from the NSF and NIH, including NIH R01, R03, R15, and R21 grants
- In addition, in FY 2026 MWU faculty have successfully obtained FDA, HRSA, and USDA grants
- MWU faculty have successfully obtained foundation grants from: American Heart Association, American Optometric Foundation, HonorHealth, Leakey Foundation, Marfan Foundation, PhRMA Foundation, PetSmart Charities, and National Association of Chain Drug Stores
- MWU faculty have successfully obtained industry grants from: Allecra Therapeutics, Boehringer Ingelheim, Eyenovia, Johnson & Johnson, Merck Sharp & Dohme, Nevakar, Hiossen, and Sangart
- MWU faculty have successfully obtained Arizona state grants and funding from: Arizona Biomedical Research Commission and Arizona Alzheimer's Consortium

The Bottom Line

- Midwestern University actively invests in building and maintaining a thriving research environment that supports faculty, staff, and student success
- Strong institutional support for research reflects the University's confidence in the creativity, expertise, and scholarly contributions of MWU's faculty and research teams

MULTIDISCIPLINARY: SUBMITTED EXTRAMURAL PROPOSALS

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Haley, N. & Beans, A.	CGS	Microbiology & Immunology, Veterinary Medicine	Veterinary Student Scholars: Chronic Wasting Disease Strain Typing via RT-QuIC	1/31/2026	$5,500	Morris Animal Foundation	6/1/2026
Lynch, L. & Piccinini, I.	CGS, CVM	Anatomy, Veterinary Medicine	Veterinary Student Scholars: Exploring Inner Ear Morphology as an Indicator of Environmental Stress and Population Health in the American Mink	1/31/2026	$5,500	Morris Animal Foundation	6/1/2026
Olson, C., Robinson, C., & Struthers, J.	CVM, CGS	Physiology, Veterinary Research, Pathology & Population Medicine	2026 Boehringer Ingelheim Veterinary Scholars Program	10/31/2025	$53,900 (Includes a $30,800 match from MWU	Boehringer Ingelheim	1/1/2026

Total of MULTIDISCIPLINARY Submitted Extramural Proposals: $64,900

ARIZONA COLLEGE OF PODIATRIC MEDICINE (AZCPM): SUBMITTED EXTRAMURAL PROPOSALS

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Richey, J.M.	AZCPM	Podiatric Medicine	Novel Application for Developing Ankle Arthroscopy Skills: Is Surgical Simulation the Future of Training?	10/1/2025	$25,000	American College of Foot and Ankle Surgeons	10/1/2025

Total of AZCPM Submitted Extramural Proposals: $25,000

CHICAGO COLLEGE OF OPTOMETRY (CCO): SUBMITTED EXTRAMURAL PROPOSALS

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Nadarajah, V.	CCO	Optometry	A Comparison of Soft Multifocal Contact Lenses Used for Myopia Management and Their Effect on Ocular Surface Health	10/31/2024	$11,000	Dr. Newton K. Wesley Foundation	2/1/2025
Nadarajah, V.	CCO	Optometry	MiSight 1 Day Post-Approval Study for Effectiveness and Visual Symptoms	10/1/2024	$575,000	CooperVision	2/5/2025

Total of CCO Submitted Extramural Proposals: $586,000

COLLEGE OF DENTAL MEDICINE-ARIZONA (CDMA): SUBMITTED EXTRAMURAL PROPOSALS

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Caspers, T.	CDMA	Dental Medicine	Salivary Biomarker Based Risk Profiling for Early Detection of Parkinson's Disease in a Dental Clinical Setting	4/24/2026	$9,472 (includes a $3,759 match from MWU)	Arizona Alzheimer's Consortium	7/1/2026
dos Santos Araujo, E.M.	CDMA	Dental Medicine	Linking LC-MS Identified S. mutans Proteases to Collagen Type I and Gelatin Degradation Mechanisms	1/1/2026	$10,000	Omicron Kappa Upsilon	1/1/2026

CDMA: SUBMITTED EXTRAMURAL PROPOSALS (Continued)

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Frost, J.	CDMA	Dental Medicine	Salivary Biomarkers for Early Alzheimer Disease Detection: A Secondary Data Analysis Using the AAC Database	4/24/2026	$500 (includes a $198 match from MWU)	Arizona Alzheimer's Consortium	7/1/2026
Mitchell, J.	CDMA	Dental Research	Multimaterial 3D Print Processing of Antimicrobial and Antifungal Dental Prosthetics	9/3/2025	$112,500	University of Colorado Anschutz	10/1/2025

Total of CDMA Submitted Extramural Proposals: $132,472

COLLEGE OF DENTAL MEDICINE-ILLINOIS (CDMI): SUBMITTED EXTRAMURAL PROPOSALS

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Rao, J.	CDMI	Dental Medicine	Career Development and Job Satisfaction of Orthodontists in DSO Practice Models	10/10/2025	$24,319	American Association of Orthodontists Foundation	1/1/2026
Rocha de Oliveira Carrilho, M.	CDMI	Dental Medicine	Dentin-Derived Bioengineered Hydrogels for the Regeneration of the Dentin-Pulp Complex	2/16/2026	$386,650	NIH R21	12/1/2026
Sangalli, L.	CDMI	Dental Medicine	A Multimodal, Technology-Enabled Platform for Early Detection and Management of Chronic TMD Pain	7/3/2025	$168,699	NIH R01 (subaward from University of Baltimore-Maryland)	4/1/2026
Sangalli, L.	CDMI	Dental Medicine	Improving Early Recognition and Self-Care of Temporomandibular Disorders Through a Scalable Web-Based Intervention	6/30/2026	$30,000	Colgate CARE	10/1/2026

Total of CDMI Submitted Extramural Proposals: $609,668

COLLEGE OF GRADUATE STUDIES (CGS): SUBMITTED EXTRAMURAL PROPOSALS

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Alasady, M.	CGS	Pharmacology	Mechanisms Controlling HSF1 Activity in Cancer	6/25/2026	$527,250	NIH R15	4/1/2027
Al-Nakkash, L. & Jauregui, E.	CGS	Physiology	Understanding the Impact of Phthalates on the Brain-intestinal Axis	4/24/2026	$15,490 (includes a $6,147 match from MWU)	Arizona Alzheimer's Consortium	7/1/2026
Bae, N.	CGS	Biochemistry & Molecular Genetics	Identification of Novel Target Genes of Telomeric Protein RAP1 That Modulates Amyloid Production	4/24/2026	$9,728 (includes a $3,860 match from MWU)	Arizona Alzheimer's Consortium	7/1/2026
Buhlman, L.	CGS	Biomedical Sciences	Evaluating Efficacy and Mechanisms of a Novel Manganese Porphyrin in a Drosophila Model of Parkinson's Disease	10/25/2025	$553,721 (includes a $158,504 subaward to Barrow Neurological Institute)	NIH R15	7/1/2026

CGS: SUBMITTED EXTRAMURAL PROPOSALS (Continued)

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Carvalho-de-Souza, J.	CGS	Physiology	Eye Therapy Using Gold Nanoparticles Enables Vision Restoration	11/26/2025	$225,000 (includes a $43,830 subaward to University of Arizona	Arizona Biomedical Research Centre	7/1/2026
Carvalho-de-Souza, J.	CGS	Physiology	Silent Kv Subunits as Major Players in Sensory Neurons During Chronic Pain	2/25/2026	$552,529 (includes a $157,887 subaward to University of Arizona)	NIH R15	9/1/2026
Ebeid, M.	CGS	Anatomy	Pathogenesis of Cytomegalovirus-Induced Sensorineural Hearing Loss	10/5/2025	$3,532,384 (includes a $960,000 subaward to Northwest-ern Univ)	NIH R01	7/1/2026
Ellermeier, J.	CGS	Microbiology & Immunology	Defining the Link Between LPS and Regulation of tatABC Expression in Salmonella	2/11/2026	$140,600	NIH R03	12/1/2026
Esfandiarei, M.	CGS	Biomedical Sciences	Identifying Mechanisms by Which Maternal Dietary Deficiencies in Choline Influence Ischemic Stroke Outcomes of Offspring	6/25/2026	$32,427	NIH R15 (subaward from Southern Illinois University)	5/1/2027
Haley, N.	CGS	Microbiology & Immunology	IHC-based Amplification Assay for Enhancing CWD Detection	6/4/2026	$29,480	USDA APHIS Cooperative Agreement (subaward from Louisiana State University)	9/1/2026
Haley, N. & Mercer, R.	CGS	Microbiology & Immunology, Biochemistry & Molecular Genetics	Investigating the Role of Host Factors in the Susceptibility of Elk to Chronic Wasting Disease	8/31/2025	$524,878	USDA APHIS Cooperative Agreement	9/30/2025
Hord, J.	CGS	Physiology	Deciphering the Role of Dystroglycan in Neuromuscular Function	6/25/2026	$516,220	NIH R15	4/1/2027
Kim, C.	CGS	Biochemistry & Molecular Genetics	Identifying the Molecular Differences Between Oncogenic BMI1 and Its Tumor Suppressive Paralog, MEL18	10/25/2025	$527,250	NIH R15	7/1/2026
Kim, C.	CGS	Biochemistry & Molecular Genetics	Identifying the Molecular Differences Between Oncogenic BMI1 and Its Tumor Suppressive Paralog, MEL18	12/1/2025	$297,000	American Cancer Society	7/1/2026
Kim, C.	CGS	Biochemistry & Molecular Genetics	Identifying the Molecular Differences Between Oncogenic BMI1 and Its Tumor Suppressive Paralog, MEL18	2/16/2026	$386,650	NIH R21	12/1/2026
Kim, C.	CGS	Biochemistry & Molecular Genetics	Identifying the Molecular Differences Between Oncogenic BMI1 and Its Tumor Suppressive Paralog, MEL18	6/25/2026	$527,250	NIH R15 resubmission	4/1/2027
Kronstad, L. & Wellensiek, B.	CGS	Microbiology & Immunology, Biomedical Sciences	Improving the Immunogenicity of Influenza mRNA-based Vaccines by Harnessing Translation Enhancing Elements	11/26/2025	$225,000	Arizona Biomedical Research Centre	7/1/2026
Kronstad, L. & Wellensiek, B.	CGS	Microbiology & Immunology, Biomedical Sciences	Optimizing mRNA Platforms to Enhance T Cell Immunity Against Influenza	12/1/2025	$198,000	American Lung Association	7/1/2026
Lawson, K. & Bussey, K.	CGS	Biochemistry & Molecular Genetics, Precision Medicine	Investigating the Role of Stress Hormones on Astrocyte Neuroenergetics	4/24/2026	$14,000 (includes a $5,556 match from MWU)	Arizona Alzheimer's Consortium	7/1/2026

CGS: SUBMITTED EXTRAMURAL PROPOSALS (Continued)

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Lynch, L.	CGS	Anatomy	Collaborative Research: Frameworks -- Cross-disciplinary and Sustainable Cyberinfrastructure for Non-clinical Tomography Users Across Science, Engineering, and Education	12/1/2025	$661,294	NSF	7/1/2026
Martinez-Guryn, K.	CGS	Biomedical Sciences	Bifidobacterium Protects Against Western Diet-Mediated Intestinal Barrier Dysfunction	9/9/2025	$110,000 (includes a $55,000 subaward to University of Wisconsin)	Nature	2/1/2026
Martinez-Guryn, K.	CGS	Biomedical Sciences	Collagenase Producing Bacteria as a Biomarker and Driver of Diet-Induced Colorectal Cancer Recurrence Following Surgery	12/10/2025	$418,910	NIH R01 MPI (subaward from University of Chicago)	7/1/2026
Martinez-Guryn, K.	CGS	Biomedical Sciences	Defining the Role of Bifidobacteria in Small Intestinal Metabolic Responses to Dietary Lipids in Metabolic Dysfunction-Associated Liver Diseases	1/28/2026	$3,658,444 (includes a $1,894,629 subaward to University of Wisconsin)	NIH R01 MPI	12/1/2026
Martinez-Guryn, K.	CGS	Biomedical Sciences	Manipulation of the Gut Microbiome by a Standardized Preoperative Diet to Prevent Colorectal Cancer Recurrence and Metastasis Following Surgery	1/9/2026	$63,844	V Foundation for Cancer Research (subaward from University of Chicago)	4/15/2026
Martinez-Pena y Valenzuela, I.	CGS	Physiology	Early Neuromuscular Junction Instability in LRRK2 and RAB32 Parkinson's Disease Knock-In Models	6/5/2026	$2,817,379 (includes a $1,065,629 subaward to Rush University Medical Center)	NIH R01	4/1/2027
Mercer, R.	CGS	Biochemistry & Molecular Genetics	Elacridar: Identification of the Molecular Target Relevant to Its Anti-prion Effects and Its Application to Other Protein Misfolding Neurodegenerative Diseases	9/7/2025	$386,650	NIH R21	9/30/2025
Mercer, R. & Haley, N.	CGS	Biochemistry & Molecular Genetics, Microbiology & Immunology	Establishment of α-syn, Tau, and TDP-43 RT-QuIC Assays at Midwestern University	4/24/2026	$54,771 (includes $26,000 salary and $11,417 matches from MWU)	Arizona Alzheimer's Consortium	7/1/2026
Olson, C.	CGS	Physiology	Avian Sex Determination and Predisposition to PFOS Disruption	2/1/2026	$54,892	NIH P30 (subaward from University of Arizona)	5/1/2026
O'Neill, M.	CGS	Anatomy	Collaborative Research: GCR - Evolutionary Engineering: Understanding Human Origins	2/9/2026	$961,861	NSF	7/1/2026
Puthanveetil, P.	CGS	Pharmacology	Ethanol Excess Induced Cardiac Inflammaging and Injury	7/16/2025	$132,927	NIH R03	4/1/2026
Puthanveetil, P.	CGS	Pharmacology	Flavonoid Mediated Hormesis and Systemic Homeostasis	2/16/2026	$520,754	NIH R15	12/1/2026
Puthanveetil, P.	CGS	Pharmacology	Uncovering the Pathways for Sex Specific Metabolic Defects Following Ethanol Excess	6/25/2026	$140,600	NIH R03	4/1/2027
Roberts, C.	CGS	Pharmacology	Characterization of Compounds From Marine Sponges for the Treatment of Advanced Ovarian Cancer	4/1/2026	$25,000	Foundation for Women's Wellness	1/1/2027
Roberts, C.	CGS	Pharmacology	Characterization of Compounds From Marine Sponges for the Treatment of Advanced Ovarian Cancer	6/12/2026	$50,000	Sandy Rollman Ovarian Cancer Foundation	8/1/2026

CGS: SUBMITTED EXTRAMURAL PROPOSALS (Continued)

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Samanta, D.	CGS	Microbiology & Immunology	Elucidating the Antimicrobial Effects of Short-chain Fatty Acids against Coxiella burnetii	11/16/2025	$144,710 (includes a $20,520 subaward to AT Still University)	NIH R03	7/1/2026
Shim, M., & Hull, E.	CGS	Biochemistry & Molecular Genetics, Biomedical Sciences	The Role of Cellular Senescence in Alzheimer's Disease	4/24/2026	$14,000 (includes a $5,556 match from MWU)	Arizona Alzheimer's Consortium	7/1/2026
Stephenson, E.	CGS	Anatomy	Mechanisms of Metabolic Regulation During Physical Inactivity	7/5/2025	$1,757,500	NIH R01	4/1/2026
Stephenson, E.	CGS	Anatomy	Mechanisms of Metabolic Regulation During Physical Inactivity	3/10/2026	$2,346,003	NIH R01	4/1/2027
Sundaresan, S.	CGS	Physiology	Enteric Glial Cell Reprogramming by Loss of MENIN in Duodenopancreatic Neuroendocrine Tumors	11/5/2025	$241,433	NIH R01 (subaward from University of Arizona)	7/1/2026
Sundaresan, S.	CGS	Physiology	Intrinsic Primary Afferent Neurons: Novel Regulators of Intestinal Nutrient Sensing and Obesity	2/4/2026	$3,507,350 (includes a $943,558 subaward to Vanderbilt Univ Med Center and a $351,258 subaward to Michigan State Univ)	NIH R01 MPI	12/1/2026
Swanson, M.	CGS	Biochemistry & Molecular Genetics	Regulation of Amyloidogenic and Non-amyloidogenic Processing of the Amyloid Precursor Protein (APP) by Gamma Secretase Modulators	4/24/2026	$9,915 (includes a $3,934 match from MWU)	Arizona Alzheimer's Consortium	7/1/2026
Swartzendruber, J.	CGS	Microbiology & Immunology	Mechanism of Bacillus Subtilis-Meidatd Protection in Murine Models of Allergic Disease	6/25/2026	$526,556	NIH R15	4/1/2027
Tiwari, V.	CGS	Microbiology & Immunology	Development of Hpi Inhibitors for the Treatment of Herpes Simplex Virus	10/16/2025	$133,570	NIH R21 (subaward from University of Washington-St. Louis)	7/1/2026
Tiwari, V.	CGS	Microbiology & Immunology	Impact of Sulfated Glycans on HSV-1 Mediated Entry and Inflammation in Iris Stroma Derived From Human Eye Donors	10/22/2025	$564,791 (includes a $182,050 subaward to Rensselaer Polytechnic Institute)	NIH R15	7/1/2026
Tiwari, V.	CGS	Microbiology & Immunology	A Novel ApoE4-Dependent Pathway for HSV-1 Neuronal Infection in Alzheimer's Disease	2/16/2026	$140,600	NIH R21 (subaward from Rensselaer Polytechnic Institute)	7/1/2026
Tiwari, V.	CGS	Microbiology & Immunology	Impact of Sulfated Glycans on HSV-1 Mediated Entry and Inflammation in Iris Stroma Derived From Human Eye Donors	6/23/2026	$527,250 (includes a $182,050 subaward to Rensselaer Polytechnic Institute)	NIH R15	4/1/2027
Traka, M.	CGS	Anatomy	Effects of Aging on Schwann Cell Regeneration	10/25/2025	$527,249	NIH R15	7/1/2026
Wickstead, E.	CGS	Pharmacology	Defining the Role of FPR2-AnxA1 Signaling in Neuroinflammation Resolution and Alzheimer's Disease	9/29/2025	$300,000	BrightFocus Foundation	7/1/2026
Wickstead, E.	CGS	Pharmacology	Investigating the Role of the FPR2/3-Annexin A1 Signaling Axis in Alzheimer's Disease	11/17/2025	$225,000	Arizona Biomedical Research Centre	7/1/2026

CGS: SUBMITTED EXTRAMURAL PROPOSALS (Continued)

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Wickstead, E.	CGS	Pharmacology	The Role of the FPR2-AnxA1 Signaling Axis in Alzheimer's Disease	12/1/2025	$166,415	Arizona Alzheimer's Consortium	7/1/2026
Wickstead, E.	CGS	Pharmacology	The Annexin A1-FPR2 Resolution Axis: Implications for Alzheimer's Disease	4/24/2026	$24,124 (includes a $9,573 match from MWU)	Arizona Alzheimer's Consortium	7/1/2026
Ventrella, R.	CGS	Precision Medicine	Determining Novel Mechanisms of Regeneration Using Xenopus Laevis Tadpoles	10/3/2025	$1,751,410	NIH R35 MIRA	7/1/2026

Total of CGS Submitted Extramural Proposals: $31,800,059

COLLEGE OF HEALTH SCIENCES-DOWNERS GROVE (CHS-DG): SUBMITTED EXTRAMURAL PROPOSALS

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Hurley, A.	CHS-DG	Clinical Psychology	Evaluating a Sound-Based Adaptation of Deep Brain Reorienting (S2) for PTSD, Complex Trauma, and Dissociation: A Randomized Controlled Pilot Study	5/19/2026	$10,000	International Society for the Study of Trauma and Dissociation	8/1/2026
Krese, K.	CHS-DG	Physical Therapy	Testing Branding Strategies to Promote Adoption of Yoga Among Veterans Experiencing Pain	6/3/2026	$72,170	Department of Veteran Affairs	4/1/2027

Total of CHS-DG Submitted Extramural Proposals: $82,170

COLLEGE OF HEALTH SCIENCES-GLENDALE (CHS-GD): SUBMITTED EXTRAMURAL PROPOSALS

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Eikenberry, M.	CHS-GD	Physical Therapy	Characterization of Bilateral Ankle Mechanics Post-Stroke and Its Relationship to Impaired Posture and Gait Function	10/16/2025	$12,713	NIH R03 (subaward from Arizona State University)	7/1/2026
Eikenberry, M.	CHS-GD	Physical Therapy	Personalized Robotic Gait Training Through AI-driven Gait Entrainment for Stroke Survivors	11/5/2025	$15,000	Arizona Biomedical Research Centre (subaward from Arizona State University)	6/1/2026
Menchola, M.	CHS-GD	Behavioral Sciences	Integrating Biomarker and Neuropsychological Data within Research, Memory Clinic, and Primary Care Cohorts to Optimize Diagnosis, Clinical Staging, and Treatment Selection in Alzheimer's Disease	4/27/2026	$13,260	Arizona Alzheimer's Consortium (subaward from University of Arizona)	7/1/2026
Morrow, M.	CHS-GD	Nurse Anesthesia	Nurse Anesthesia High School Outreach Program	2/6/2026	$7,650	American Association of Nurse Anesthesiology	5/1/2026

Total of CHS-G Submitted Extramural Proposals: $48,623

COLLEGE OF PHARMACY (COP): SUBMITTED EXTRAMURAL PROPOSALS

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Elbayoumi, T.	CPG	Phamaceutical Sciences	Investigating Enhanced Anti-CD47 Antibody-targeted Combination of Immuno-modulatory Mifamurtide Liposomes: Revival of Hope for Childhood Osteosarcoma Patients	8/31/2025	$176,370	Elsa U. Pardee Foundation	1/1/2026
Huang, V.	CPG	Pharmacy Practice	Defining Optimal Eravacycline Dose Alone and in Combination Therapy for Stenotrophomonas Maltophilia Using and in Vitro Pharmacodynamic Model	9/1/2025	$39,465	American College of Clinical Pharmacy	12/1/2025
Olsen, M.	CPG	Pharmaceutical Sciences	Developing Megalin Monoclonal Antibodies (mAbs) for Prevention of Drug Induced Kidney Injury	10/31/2025	$100,000	Flinn Foundation	2/1/2026
Pais, G.	CPDG	Pharmaceutical Sciences	Cefepime Neurotoxicity: Identification of Exposure Thresholds and Role of Metabolites	10/16/2025	$401,575 (includes a $56,795 subaward to University of Florida)	NIH R21	7/1/2026
Rhodes, N. J.	CPDG	Pharmacy Practice	Integrating Patient-Specific Lung Pharmacokinetics and Hollow-Fiber Models to Advance Precision Meropenem Dosing in Hospital-Acquired Pneumonia with Augmented Renal Clearance	6/30/2026	$442,215 (includes a $142,312 subaward to Northwestern Universi-ty and a $147,525 subaward to Albany College of Pharmacy and Health Sciences)	NIH R21	4/1/2027
Scheetz, M.	CPDG	Pharmacy Practice	Toward a Clinical Trial to Test the Impact of Perioperative Precision Tacrolimus Dosing on Post-Lung Transplant Kidney and Allograft Complications	7/16/2025	$51,804	NIH R34 (subaward from Penn State)	4/1/2026
Scheetz, M.	CPDG	Pharmacy Practice	Chrono-Dynamic Outcome Probabilities (Cdop): A Novel Framework to Optimize Antibiotic Efficacy and Safety for Multi-Drug Resistant Pathogens	8/10/2025	$3,664,109 (includes a $1,687,424 subaward to University of Florida)	NIH R01 MPI	4/1/2026
Scheetz, M.	CPDG	Pharmacy Practice	Megalin Inhibitor Therapeutics to Reduce Antibiotic-Induced Kidney Injury	9/5/2025	$219,263	NIH R41 STTR (subaward from Safegate Therapeutics, LLC)	4/1/2026
Scheetz, M.	CPDG	Pharmacy Practice	Beta-Lactam Optimization and Outcomes Management (BLOOM): Pragmatic Trial	10/5/2025	$73,797	NIH R01 (subaward from Mayo Clinic)	7/1/2026
Scheetz, M.	CPDG	Pharmacy Practice	Antibiotic Drug Exposures and Endotracheal Pharmacokinetics (DEEP)	10/30/2025	$449,013	NIH R01 MPI (subaward from Children's Hospital of Philadelphia)	7/1/2026
Scheetz, M.	CPDG	Pharmacy Practice	Enhancing Precision Use of Beta-lactam Antibiotics in Immunocompromised Children	11/16/2025	$18,946	NIH R21 (subaward from St. Judes Children's Hospital)	7/1/2026
Scheetz, M.	CPDG	Pharmacy Practice	Model-Informed Precision Dsoing in Serious Infections Using Pmetrics 3	3/6/2026	$9,000	Astellas Medical Education Grant	7/1/2026
Scheetz, M.	CPDG	Pharmacy Practice	Chrono-Dynamic Outcome Probabil-ities (Cdop): a Novel Frameowork to Optimize Antibiotic Efficcy and Safety for Multi-Drug-Resistant Pathogens	4/10/2026	$4,465,663 (includes a $2,030,272 subaward to the University of Florida)	NIH R01 MPI	12/1/2026

COP: SUBMITTED EXTRAMURAL PROPOSALS (Continued)

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Scheetz, M.	CPDG	Pharmacy Practice	Functional Link between Antibiotic Exposure and Renal Function Estimated Transdermal GFR (FLARE GFR)	6/16/2026	$36,345	NIH R21 (subaward from University of Kentucky)	4/1/2027
Scheetz, M.	CPDG	Pharmacy Practice	Antibiotic Dosing for Life-Threatening Infections in Pediatric Leukemia, CAR-T therapy, and Hematopoietic Cell Transplantation: Moving Beyond a One-Size-Fits-All Approach	3/18/2026	$19,472	Alex's Lemonade Stand Foundation (subaward from St. Judes Children's Hospital)	10/1/2026
Yao, M. & Elbayoumi, T.	CPG	Pharmaceutical Sciences	Novel Therapeutic Strategy Targeting Thrombospondin 1-mediated Instant and Delayed Ischemia in Aneurysmal Subarachnoid Hemorrhage via Pharmaceutical Formulated Recombinant Human CD47 Peptide	3/30/2026	$29,870	The Aneurysm and AVM Foundation	7/1/2026

Total of COP Submitted Extramural Proposals: $10,196,907

COLLEGE OF VETERINARY MEDICINE (CVM): SUBMITTED EXTRAMURAL PROPOSALS

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Brosnahan, M.	CVM	Equine Medicine	Blood Pressure, Serum Vasopressin and Fractional Excretion of Electrolytes in Mares With PPID After One Month of Daily Pergolide Administration	6/1/2026	$17,477	American Endurance Ride Conference	7/1/2026
Kushiro-Banker, T.	CVM	Speciality Medicine	Treatment of Feline Hyperesthesia Syndrome Using Constant Rate Infusion of Ketamine	10/10/2025	$64,694	Morris Animal Foundation	4/1/2026
Lee, J. K.	CVM	Pathology and Population Medicine	Bioengineered Polyvalent Histamine Receptor Agonists for Skin Repair	1/7/2026	$9,094	NIH R21 (subaward from Arizona State University)	4/1/2026
Lee, J. K.	CVM	Pathology and Population Medicine	Bioengineered Polypeptide Nanomaterials for Skin Repair	1/7/2026	$46,581	NIH R01 (subaward from Arizona State University)	4/1/2026
Lee, J. K.	CVM	Pathology and Population Medicine	Mechanisms of Wound Healing Regulation by an Epidermal Serpin	10/16/2025	$18,576	NIH R21 (subaward from Arizona State University)	7/1/2026
Lee, J. K.	CVM	Pathology and Population Medicine	Resubmission: Investigation of Histaminergic Signaling in Tissue Repair	10/31/2025	$63,804	NIH R01 (subaward from Arizona State University)	7/1/2026
Lee, J. K.	CVM	Pathology and Population Medicine	Engineering DNA Immunotherapy and Antigen Expression for Advanced Melanoma	11/5/2025	$36,649	Arizona Biomedical Research Centre (subaward from Arizona State University)	5/1/2026
Lee, J. K.	CVM	Pathology and Population Medicine	Resubmission: Investigation of Plasmid DNA Methylation in Tissue Repair	11/16/2025	$63,804	NIH R01 (subaward from Arizona State University)	7/1/2026
Lee, J. K.	CVM	Pathology and Population Medicine	Engineering Structure and Properties in Polypeptide Biomaterials for Modulating Tissue Repair Mechanisms	2/6/2026	$63,804	NIH R01 (subaward from Arizona State University)	12/1/2026
Lee, J. K.	CVM	Pathology and Population Medicine	Sentinel-A Early Sepsis Detection	5/8/2026	$30,959	ARPA-H (subaward from Arizona State University)	11/1/2026
Li, W.	CVM	Veterinary Research	Epitope-Specific CD8+T Cell Subsets in a Chlamydia Mouse Model: Epitopes, Epithelial Interactions, and Pathology	10/25/2025	$526,236	NIH R15	7/1/2026
Perry, S.	CVM	Exotic Animal Medicine	Validating a Point of Care Analyzer for β-Hydroxybutyric Acid in Radiated Tortoises (Astrochelys Radiata) to Use as a Tool for Assessing Health in Trafficked Tortoises	2/16/2026	$4,041	Association of Reptile and Amphibian Veterinarians	5/1/2026

CVM: SUBMITTED EXTRAMURAL PROPOSALS (Continued)

Investigator/s	College	Department	Proposal Title	Submitted	Total	Agency	Start Date
Robinson, C. & Ziegler, J.	CVM	Veterinary Research, Farm Animal Medicine	Animal Health and Disease Research (FY26)	10/31/2025	$15,388	USDA NIFA	10/1/2025
Robinson, C. & Chako, C.	CVM	Veterinary Research, Farm Animal Medicine	Vet-BRIDGE: Building Relationships to Strengthen the Rural Veterinary Work-force Pipeline	4/16/2026	$300,000	USDA NIFA	9/1/2026

Total of CVM Submitted Extramural Proposals: $1,261,107

MWU SUBMITTED 102 EXTRAMURAL PROPOSALS FROM ALL COLLEGES THROUGH Q4 OF FISCAL YEAR 2026 TOTALING $44,806,906

MULTIDISCIPLINARY: ALL EXTRAMURALLY-FUNDED ACTIVE RESEARCH AWARDS DURING THE REPORTING PERIOD

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
Mitchell, J., Fitzgerald, N., Chen, G. & Wooden, E.	CDMA, AZCOM	Multiple	An Inch-loss Study Using the NovoPod Photomodulation Bed	$150,000 (Value of)	Thor Photomedicine	6/1/2018	Open
Lynch, L. & Piccinini, I.	CVM, CGS	Anatomy, Veterinary Medicine	Veterinary Student Scholars: Exploring Inner Ear Morphology as an Indicator of Environmental Stress and Population Health in the American Mink	$5,500	Morris Animal Foundation	6/1/2026	8/31/2026
Olson, C., Robinson, C., & Struthers, J.	CVM, CGS	Physiology, Veterinary Research, Pathology & Population Med	2026 Boehringer Ingelheim Veterinary Scholars Program	$53,900 (includes a $30,800 match from MWU)	Boehringer Ingelheim	1/1/2026	12/31/2026

Total of Multidisciplinary Active Extramurally-funded Research Awards: $209,400

ARIZONA COLLEGE OF OSTEOPATHIC MEDICINE (AZCOM): ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS DURING THE REPORTING PERIOD

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
Middleton, T. & Greenwood, L.	AZCOM	Family Med	Residency Readiness Pilot Bootcamp Framework	$5,000	American Association of Colleges of Osteopathic Medicine	8/1/2025	7/31/2026

Total of AZCOM Active Extramurally-funded Research Awards: $5,000

ARIZONA COLLEGE OF OPTOMETRY (AZCOPT): ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS DURING THE REPORTING PERIOD

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
Feis, A.	AZCOPT	Optometry	A Randomized Trial to Evaluate Sequential vs Simultaneous Spectacles plus Patching for Amblyopia in Children 3 to <13 Years Old (ATS22)	$17,400	National Eye Institute Cooperative Agreement with Jaeb Center for Health Research, Inc.	2/26/2021	12/10/2031
Gantes-Nunez, J.	AZCOPT	Optometry	Mobility Performance in Daily Activities Among Children Wearing Single Vision and Myopia Control SightGlass Vision DOT Spectacle Lenses	$49,955	SightGlass Vision, Inc	10/30/2025	7/30/2026
Yevseyenkov, V.	AZCOPT	Optometry	CLAiR Pivotal Trial (CPS-En01)	$243,706	TOKU, Inc	2/10/2025	3/12/2026
Yevseyenkov, V.	AZCOPT	Optometry	Summative Usability Study: A Simulated Use, Summative Usability Study for the CLAiR Device	$3,000	TOKU, Inc	4/10/2025	4/11/2026

Total of AZCOPT Active Extramurally-funded Research Awards: $314,061

AZCPM: ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS DURING THE REPORTING PERIOD

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
Richey, J.M.	AZCPM	Podiatric Medicine	Novel Application for Developing Ankle Arthroscopy Skills: Is Surgical Simulation the Future of Training?	$25,000	American College of Foot and Ankle Surgeons	10/1/2025	12/31/2026

Total of AZCPM Active Extramurally-funded Research Awards: $25,000

CCO: ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS DURING THE REPORTING PERIOD

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
Nadarajah, V.	CCO	Optometry	A Comparison of Soft Multifocal Contact Lenses used for Myopia Management and Their Effect on Ocular Surface Health	$11,000	Dr. Newton K. Wesley Foundation	2/1/2025	4/30/2027
Nadarajah, V.	CCO	Optometry	MiSight 1 Day Post-Approval Study for Effectiveness and Visual Symptoms	$575,000	CooperVision	2/5/2025	2/5/2030
Prestwich, C.	CCO	Optometry	A Randomized Trial to Evaluate Sequential vs Simultaneous Spectacles plus Patching for Amblyopia in Children 3 to <13 Years Old (ATS22)	$23,350	National Eye Institute Cooperative Agreement with JAEB Center for Health Research, Inc.	4/13/2021	7/28/2025

Total of CCO Active Extramurally-funded Research Awards: $609,350

CDMA: ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS DURING THE REPORTING PERIOD

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
Beals, D.	CDMA	Dental Institute	Safety of Tranexamic Acid Oral Solution in Patients on Anticoagulants	$68,929	Hyloris Developments	5/1/2025	Open
dos Santos Araujo, E.M.	CDMA	Dental Medicine	Linking LC-MS Identified S. mutans Proteases to Collagen Type I and Gelatin Degradation Mechanisms	$10,000	Omicron Kappa Upsilon	1/1/2026	12/31/2026
Mitchell, J., Haering H., Carroll, A., Beals, D., & Carpenter, R.	CDMA	Dental Medicine, Dental Institute	Bicon SHORT® Implants: A Preclinical and Clinical Research Study	$949,363 (Value of)	Bicon Dental Implants	5/6/2016	Open
Mitchell, J.	CDMA	Dental Research	Multimaterial 3D Print Processing of Antimicrobial and Antifungal Dental Prosthetics	$112,500	University of Colorado Anschutz	10/1/2025	9/30/2028
Mitchell, J.	CDMA	Dental Research	Uniquely High Conversion and Mechanically Robust Composite Materials for Functionally Elevated Performance	$43,188	NIH R21 subaward from the University of Colorado	9/5/2023	5/31/2026
Mitchell, J. & Parsa, K.	CDMA	Dental Research	A Materials Comparison of Three Commercially Available Alveolar Ridge Preservation Products	$3,078	Impladent, LTD	8/7/2024	8/7/2025
Mitchell, J. & Agostini-Walesch, G.	CDMA	Dental Research	Oral Inflammation and Functional Gastrointestinal Disorders: A Practice-Based Research Approach	$3,404,111	NIH U01 with a subaward to University of Chicago ($989,986)	9/13/2023	6/30/2028

Total of CDMA Active Extramurally-funded Research Awards: $4,591,169

CDMI: ALL ACTIVE EXTRAMURALLY FUNDED RESEARCH AWARDS DURING THE REPORTING PERIOD

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
Rocha de Oliveria Carrilho, M.	CDMI	Dental Medicine	Blending Dentin to Dentin: Biometric Hydrogels for Dentin Tissue Engineering	$421,800	NIH R15	9/7/2023	8/31/2027
Rao, J.	CDMI	Dental Medicine	Career Development and Job Satisfaction of Orthodontists in Dso Practice Models	$24,319	American Association of Orthodontists Foundation	7/1/2026	6/31/2027
Sangalli, L.	CDMI	Dental Medicine	Feasibility of a New Methodology for Dental Education in Temporomandibular Disorders through Virtual Patient-Based Learning	$210,900	NIH R03	7/1/2025	4/30/2027
Sangalli, L.	CDMI	Dental Medicine	Exploring Oral Health Education Program in Temporomandibular Disorders Among Dental Schools	$15,000	ADEA Gies Foundation	9/1/2024	6/30/2027
Sangalli, L.	CDMI	Dental Medicine	Digital Simulations to Enhance Orofacial Pain Education: Testing a Virtual Patient Hearing Tool in Dental Curricula	$2,349	International Association for Dental, Oral, and Craniofacial Research	8/1/2025	11/30/2026
Sangalli, L.	CDMI	Dental Medicine	Testing the Effectiveness of a Virtual Patient-Based Learning Intervention for Orofacial Pain Education in a Predoctoral Dental Program	$3,000	American Academy of Orofacial Pain	5/1/2025	7/31/2026

Total of CDMI Active Extramurally-funded Research Awards: $677,368

CGS: ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS DURING THE REPORTING PERIOD

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
Al-Nakkash, L. & Carvalho de Souza, J.	CGS	Physiology	Assessment of Inflammatory Pathways Involved in the Brain-intestinal Axis in Western Diet Induced Alzheimer's Pathology	$7,300 (includes a $2,897 match from MWU)	Arizona Alzheimer's Consortium	7/1/2025	6/30/2026
Baab, K.	CGS	Anatomy	Testing Adaptive Hypotheses of Plio-Pleistocene Hominin Craniofacial Evolution	$330,021	National Science Foundation	2/15/2021	1/31/2026
Bae, N.	CGS	Biochemistry & Molecular Genetics	Oxidative Stress Causes Increased Amyloid Peptide Levels Through Telomeric Protein, RAP1	$12,395 (includes a $4,919 match from MWU)	Arizona Alzheimer's Consortium	7/1/2025	6/30/2026
Bussey, K.	CGS	Precision Medicine	Training in Genomics Research (TiGeR)	$25,232	NIH R25 subaward from Arizona State University	8/1/2023	6/30/2027
Bussey, K.	CGS	Precision Medicine	Molecular Approach for Oropharyngeal Cancer Detection in Non-plasma Biofluid	$20,202	Flinn Foundation subaward from the University of Arizona	12/8/2025	12/31/2026
Carvalho de Souza, J. & Al-Nakkash, L.	CGS	Physiology	Studies on Kv6.1 Silent Subunit Expression and Function in Hippocampal Neurons During Alzheimer's Disease	$22,782 (includes a $9,041 match from MWU)	Arizona Alzheimer's Consortium	7/1/2025	6/30/2026
Haley, N.	CGS	Microbiology & Immunology	Understanding the Impact of Selective Breeding on Chronic Wasting Disease Management in White-tailed Deer	$191,148	USDA APHIS Cooperative Agreement	5/1/2025	4/30/2027
Haley, N. & Mercer, R.	CGS	Microbiology & Immunology, Biochemistry & Molecular Genetics	Investigating the Role of Host Factors in the Susceptibility of Elk to Chronic Wasting Disease	$524,878	USDA APHIS Cooperative Agreement	9/30/2025	9/29/2027

CGS: ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS (Continued)

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
He, Y.	CGS	Precision Medicine	MicroRNA as a Novel Therapeutic Target for Pain in Sickle Cell Disease	$1,764,145 (includes a $126,808 subaward to Univ IL Chicago)	NIH RF1	8/1/2025	7/31/2029
Hughes, T.	CGS	Master of Public Health	Mild Cognitive Impairment: A Prospective Community Study	$346,989	NIH R37 subaward from University of Pittsburgh	8/28/2023	4/30/2031
Hughes, T.	CGS	Master of Public Health	The Opening Minds through Art Program with Unhoused Older Adults: An Implementation Pilot Study	$10,317 (includes a $4,094 match from MWU)	Arizona Alzheimer's Consortium	7/1/2025	6/30/2026
Hull, E.	CGS	Biomedical Sciences	Elucidating a Mechanistic Link Between Progranulin & Lysosomal Function in Alzheimer Disease	$9,912 (includes a $3,933 match from MWU)	Arizona Alzheimer's Consortium	7/1/2025	6/30/2026
Hull, E. & Leyva, K.	CGS	Biomedical Sciences, Microbiology & Immunology	Non-coding RNA Regulation of the Progranulin Gene During the Inflammatory Response in Alzheimer Disease	$30,000	Arizona Alzheimer's Consortium	7/1/2025	6/30/2026
Jauregui, E.	CGS	Physiology	Dissecting the Role of Lrh1 in Phthalate-related Reproductive Impairments: A Cellular and Molecular Approach	$521,992 (includes a $128,423 subaward to Carroll College)	NIH R15	9/1/2025	8/31/2028
Jentarra, G. & Jones, T.B.	CGS	Precision Medicine, Anatomy	Determination of Polymicrobial Burden in Two Postmortem Brain Regions in AD Patients and Controls With Varying Levels of AD-related Pathology and Cognitive Status	$44,385 (includes $26,000 salary and $7,292 MWU match)	Arizona Alzheimer's Consortium	7/1/2025	6/30/2026
Kim, C.	CGS	Biochemistry & Molecular Genetics	Molecular Basis of the Selective Assembly of Functionally Distinct PRC1s	$450,000	NIH R15	9/22/2022	8/31/2026
Lawson, K. & Bussey, K.	CGS	Biochemistry & Molecular Genetics, Precision Medicine	Investigating the Role of Stress Hormones on Astrocyte Neuroenergetics	$12,894 (includes a $5,117 match from MWU)	Arizona Alzheimer's Consortium	7/1/2025	6/30/2026
Martinez-Guryn, K.	CGS	Biomedical Sciences	The Role of Gut Mycobiota in Regulating Host Lipid Absorption and Obesity	$471,111	NIH R21 Diversity with subawards to Univ of Wisc ($137,996) and Univ of Tenn Health Sci Center ($48,086)	5/1/2022	8/31/2025
Martinez-Guryn, K.	CGS	Biomedical Sciences	Probing Short and Long Term Consequences of Small and Large Bowel Microbiota Transplants on Host Physiology: Implications for the Development of Future Live Biotherapeutics	$774,044	NIH R01 MPI subaward from the University of Chicago	2/1/2024	12/31/2027
Mercer, R.	CGS	Biochemistry & Molecular Genetics	Elacridar: Identification of the Molecular Target Relevant to Its Anti-prion Effects and Its Application to Other Protein Misfolding Neurodegenerative Diseases	$386,650	NIH R21	9/30/2025	9/29/2027
Molehin, A.	CGS	Microbiology & Immunology	Antigen and Adjuvant Selection for a Vaccine Against Urogenital Schistosomiasis, HematoShield	$168,600	NIH R41 subaward from PAI Life Sciences, Inc	1/3/2024	12/31/2025
O'Neill, M.	CGS	Anatomy	Collaborative Research: Developing Kinetic 3D Computational Models of Bipedal Walking	$138,805	National Science Foundation	8/15/2025	7/31/2028

CGS: ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS (Continued)

O'Neill, M.	CGS	Anatomy	Collaborative Research: The Effects of Musculoskeletal Design on Bipedal Walking and Running Performance in Humans, Chimpanzees and Early Hominims	$259,885	National Science Foundation	3/1/2021	2/28/2027
Prakapenka, A.	CGS	Biomedical Sciences	Alzheimer's Disease Pathogenesis in Mothers: A Role for Age and Menopause	$249,946	Alzheimer's Association	9/1/2023	8/31/2027
Revill, A.	CGS	Physiology	Physiological and Anatomical Hallmarks Associated With Intermittent Hypoxia and Aging – Insights Into Respiratory Dysfunctions Associated With Alzheimer's Disease	$120,000	Arizona Alzheimer's Consortium	7/1/2024	6/30/2026
Revill, A.	CGS	Physiology	Effects of Chronic Intermittent Hypoxia on Cholinergic Modulation at Hypoglossal Motoneurons	$421,800	NIH R15	9/1/2024	8/31/2027
Riede, T.	CGS	Physiology	The Role of Vocal Ligament in Fundamental Frequency and Adduction Control	$181,020	NIH R01 subcontract from the University of Utah	1/1/2020	12/31/2025
Riede, T.	CGS	Physiology	The Influence of Vocal Loading Upon the Healing of Experimental Vocal Fold Injury	$404,500	NIH R21	8/1/2022	7/31/2027
Shim, M., Eckman, D., & Hull, E.	CGS	Biochemistry & Molecular Genetics, Biomedical Sciences	The Periphery of Alzheimer's Disease: Cross-talks Between Degenerating Brain and Peripheral Tissues	$12,390 (includes $4,917 MWU match)	Arizona Alzheimer's Consortium	7/1/2025	6/30/2026
Smith, H.	CGS	Anatomy	Unlocking the Senescence-resistant Adaptations of Long-lived Giant Tortoises to Develop a Novel Model Organism for Aging Studies	$33,000	Impetus Grants	12/1/2023	11/30/2025
Strizzi, L.	CGS	Pathology	Potential for DUSP Inhibition to Counter Therapeutic Resistance in Metastatic Melanoma	$98,872	Elsa U. Pardee Foundation	6/1/2025	5/30/2026
Sundaresan, S.	CGS	Physiology	Intrinsic Primary Afferent Neurons in Regulation of Intestinal Nutrient Sensing and Obesity	$2,804,573 (includes $759,402 sub-award to Vanderbilt University Medical Center and $262,290 subaward to Michigan State University)	NIH R01 MPI	4/1/2026	1/31/2030
Swanson, M.	CGS	Biochemistry & Molecular Genetics	Molecular Mechanisms of Altering Gamma Secretase Activity by Modulatory Proteins	$12,395 (includes a $4,921 match from MWU)	Arizona Alzheimer's Consortium	7/1/2025	6/30/2026
Townsend, K.E.B.	CGS	Anatomy	Collaborative Research: After the Bridgerian Crash - An Integrated Analysis of Mammalian Paleocommunities and Paleoecologies During the Middle Eocene	$239,596	National Science Foundation with a subcontract ($20,000) to the Rochester Museum and Science Center	5/15/2020	12/31/2025
Veilleux, C.	CGS	Anatomy	Grasping our Evolutionary Origins: Unraveling the Anatomical and Molecular Adaptations of Primate Touch	$625,000	NSF with subcontracts to Univ of Calgary ($146,868) and Oregon Health and Sci Univ ($30,196)	9/1/2022	8/31/2027
Velez-Cruz, R.	CGS	Biochemistry & Molecular Genetics	The Role of SWI/SNF Chromatin Remodelers in Homologous Recombination and Genome Stability	$449,330	NIH R15	8/10/2022	7/31/2026

CGS: ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS (Continued)

Yang, D.	CGS	Anatomy	Collaborative Research: Intensive Paleontological and Geological Recovery in Lemudong'O Formation, Southern Kenya	$160,086	NSF - Collaborative Research Grant	7/15/2025	8/31/2027
Yang, D.	CGS	Anatomy	Multi-Proxy Environmental Reconstruction of Lemudong'O (Late Miocene), Southern Kenya	$30,000	Leakey Foundation	8/1/2025	8/31/2027

Total of CGS Active Extramurally-funded Research Awards: $12,366,195

CHS-DG: ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS DURING THE REPORTING PERIOD

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
Mahaffey, L.	CHS-DG	Occupational Therapy	Tiered Occupational Therapy (TOT): Preparing Occupational Therapist to Servce on School Mental Health Teams	$1,148,134	U.S. Department of Education	10/1/2023	9/30/2028

Total of CHS-DG Active Extramurally-funded Research Awards: $1,148,134

CHS-GD: ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS DURING THE REPORTING PERIOD

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
Morrow, M.	CHS-GD	Nurse Anesthesia	An Educational Program to Increase Point-of-care Ultrasound Use in Nurse Anesthesiologists: A Pilot Program	$6,390	American Association of Nurse Anesthesiology	12/15/2024	12/31/2025
Menchola, M.	CHS-GD	Behavioral Sciences	Partnering with Primary Care for Clinical Implementation of Blood-based Biomarkers to Facilitate Early Detection and Access to Disease-modifying Treatments for Alzheimer's Disease	$13,260	Arizona Alzheimer's Consortium (subaward from Banner Alzheimer's Institute / Univ of Arizona)	7/1/2025	6/30/2026
Menchola, M.	CHS-GD	Behavioral Sciences	Clinical Profiles and Predictors of Cognitive Performance in Plasma P-tau217 Positive Individuals in Memory Clinic and Research Settings	$6,630	Arizona Alzheimer's Consortium (subaward from Banner Alzheimer's Institute / Univ of Arizona)	11/5/2025	6/30/2026
Eikenberry, M.	CHS-GD	Physical Therapy	CAREER: Transparent Robot-aided Rehabilitation (TRAIN)	$10,221	National Science Foundation subcontract from Arizona State University	1/1/2021	2/28/2026
Fissel, S.	CHS-GD	Speech-Language Pathology	Translational Adapted Groups: Community Builds Capacity for School SLPs	$1,274,578	U.S. Department of Education	10/1/2023	9/30/2028

Total of CHS-GD Active Extramurally-funded Proposals: $1,311,079

COP: ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS DURING THE REPORTING PERIOD

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
Briyal, S.	CPDG	Pharmaceutical Sciences	Mentor and Train PCCM and NPM Fellows for Scholarly Activities	$70,000	Advocate Health and Hospitals Corporation	1/1/2023	12/31/2026
Huang, V.	CPG	Pharmacy Practice	Utilizing Weighted-incidence Syndromic Antibiogram to Evaluate Institution-specific Antibiotic Therapies and Antimicrobial Resistance Trends in Community-acquired Infections Across a Community-teaching Health System	$45,736	Merck	12/1/2023	11/30/2025
Huang, V. & Harris, S.	CPG	Pharmacy Practice	Evaluation of Various Dosing Strategies for Cefazolin and Ertapenem against Clinical Methicillin-susceptible Staphylococcus aureus (MSSA) Strains in an In-vitro Pharmacokinetic Model	$28,900	American College of Clinical Pharmacy Research Institute	12/1/2024	11/30/2025
Pais, G.	CPDG	Pharmaceutical Sciences	Cefepime Physiologically-based Pharmacokinetic Models for Cross-Species Extrapolation	$231,480	NIH K12 Training Grant subaward from Cinnciati Children's Hospital Medical Center	12/1/2023	11/30/2025
Olsen, M.	CPDG	Pharmaceutical Sciences	Design, Synthesis and Testing of Novel Compounds for the Treatment of Alzheimer's Disease	$7,230 (includes a $2,869 match from MWU)	Arizona Alzheimer's Consortium	7/1/2025	6/30/2026
Rhodes, N.J.	CPDG	Pharmacy Practice	Systems-based Pharmacologic Modelling to Elucidate Beta-lactam Clinical Pharmacodynamics and Define Optimal Dosing Regimens in Severe Pneumonia	$3,403,378	NIH R01 with subawards to Northwestern University ($1,121,735) and Children's Hospital of LA ($325,820)	7/11/2022	6/30/2027
Rhodes, N.J.	CPDG	Pharmacy Practice	Development and Validation of CRRT-specific Beta-lactam Population Pharmacokinetic Models to Guide Treatment for Patients with Hospital-acquired Pneumonia	$399,991	FDA with a subaward to Northwestern University ($169,984)	9/30/2022	9/29/2025
Rhodes, N.J.	CPDG	Pharmacy Practice	Consensus Recommendations for the Use of Individualized Drug Dosing in Patients Receiving Beta-lactam Antibiotics	$2,640	American College of Clinical Pharmacy	2/3/2023	12/31/2025
Rhodes, N.J.	CPDG	Pharmacy Practice	Development and Evaluation of CRRT-specific Precision Dosing Models to Optimize Beta-lactam Treatment for Patients with Hospital-acquired Pneumonia	$417,308	NIH R21 with subaward to Northwestern University ($169,137)	6/23/2023	5/31/2026
Scheetz, M.	CPDG	Pharmacy Practice	Assessment of MODS and Personalized Exposure of Antibiotics (AMPLE)	$897,451	NIH R01 MPI subaward from Children's Hospital of Philadelphia	9/22/2021	8/30/2027
Scheetz, M.	CPDG	Pharmacy Practice	Antibacterial Resistance Leadrship Group (ARLG)	$41,771	NIH UM1 subaward from Duke University	12/1/2025	11/30/2026
Scheetz, M.	CPDG	Pharmacy Practice	A Randomized Clinical Trial of Continous vs. Intermittent Infusion Vancomycin: Effects on Measured GFR and Kidney Injury Biomarkers	$113,587	NIH R21 Clinical Trial subaward from the University of Kentucky	1/20/2023	12/31/2025
Scheetz, M.	CPDG	Pharmacy Practice	Strategies to Avoid Drug Induced Kidney Injury in the Treatment of Multi-Drug-Resistant Pathogens	$406,703 (includes a $47,133 sub-award to Children's Hospital of Philadelphia	NIH R21	6/24/2026	5/31/2027
Scheetz, M.	CPDG	Pharmacy Practice	Antibacterial Resistance Leadership Group (ARLG)	$28,532	NIH UM1 subaward from Duke	12/1/2024	11/30/2025
Scheetz, M.	CPDG	Pharmacy Practice	The PediatRic sEpiS induCed MODS: Relationship of Immune-phenotypes and antiBiotic Exposures (PRESCRIBE) Study	$76,165	NIH R01 subaward from Children's Hospital of Philadelphia	6/19/2023	5/31/2028

COP: ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS (Continued)

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
Scheetz, M.	CPDG	Pharmacy Practice	Elucidating the Temporal Mechnism of Vancomycin Kidney Toxicity as a Means to Prevent Injury	$356,876	NIH R21 with foreign subawards to University of West Attica ($72,576)and Universita Degli Studi Di Cagliari ($93,312)	6/26/2023	5/31/2026
Wang, S.	CPDG	Pharmacy Practice	Increasing Public Awareness of Antimicrobial Resistance Through Art	$2,500	Society of Infectious Diseases Pharmacists	5/1/2025	12/31/2026
Weissig, V.	CPG	Pharmaceutical Sciences	Validation and Development of Nanoliposomes for Neuroprotection in Stroke	$49,602	Arizona Biomedical Research Centre Subaward from the Arizona Veterans Research and Education Foundation	6/1/2023	12/31/2025

Total of COP Active Extramurally-funded Proposals: $6,579,850

CVM: ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS DURING THE REPORTING PERIOD

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
Chako, C. & Gartrell, C.	CVM	Veterinary Medicine	Animal Health and Disease Research (FY23)	$11,899	USDA	10/1/2022	9/30/2025
Chako, C. & Ziegler, J.	CVM	Farm Animal Medicine	Enhanced Education in Rural Food Animal Practice Dedicated Training for Veterinary Students and Exposure for Native American Youth	$244,491	USDA	9/1/2023	8/31/2027
Gartrell, C. & Okwumabua, O.	CVM	Veterinary Medicine	Animal Health and Disease Research (FY24)	$15,228	USDA	10/1/2023	9/30/2025
Robinson, C. & Chako, C.	CVM	Veterinary Research, Farm Animal Medicine	Animal Health and Disease Research (FY25)	$13,762	USDA	10/1/2024	9/30/2027
Perry, S.	CVM	Exotic Animal Medicine	Validating a Point of Care Analyzer for β-Hydroxybutyric Acid in Radiated Tortoises (Astrochelys Radiata) to Use as a Tool for Assessing Health in Trafficked Tortoises	$4,041	Association of Reptile and Amphibian Veterinarians	5/1/2026	4/30/2027
Lee, J.K.	CVM	Pathology & Population Medicine	A Mechanistic Investigation of SerpinB3 and Its Role in Psoriasis	$60,330	NIH R01 (subaward from Arizona State University)	7/2/2025	5/31/2026
Lee, J.K.	CVM	Pathology & Population Medicine	Serograft: A Bioinspired Acellular Biomaterial for Combating Tissue Adhesions	$17,374	NIH R21 (subaward from Arizona State University)	8/1/2025	7/31/2027
Robinson, C. & Ziegler, J.	CVM	Veterinary Research, Farm Animal Medicine	Animal Health and Disease Research (FY26)	$15,388	USDA NIFA	10/1/2025	9/30/2027
Struthers, J.	CVM	Veterinary Medicine	Optimizing a Patient-specific Larynx Implant for Functional Restoration after Cancer Surgery	$69,347	NIH R01 subcontract from the Mayo Clinic	9/1/2021	8/31/2027
Thomas, K.	CVM	Companion Animal	PAAM - PacCur-Vet Activity Against Melanoma	$191,550	TaxolCur	2/6/2025	7/7/2027

CVM: ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS (Continued)

Waitt, L.	CVM	Veterinary Medicine	League of VetaHumanz MWU Chapter: This is How We 'Role'	$8,000	NIH R25 subcontract from Purdue University	1/1/2021	7/31/2025

Total of CVM Active Extramurally-funded Proposals: $651,410

CLINICAL RESEARCH SERVICES (CRS): ALL ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS DURING THE REPORTING PERIOD

Investigator/s	College	Department	Proposal Title	Total	Agency	Start Date	End Date
VanDenBerg, C.	n/a	Abrazo Arizona Heart Hospital	Medical Device Study in Patients with Cardiovascular Disease	$177,116	Medical Device Sponsor with a subcontract ($23,355) to Abrazo Hospitals and Consultant Costs of $21,000	11/1/2018	Open

Total of CRS Active Extramurally-funded Research Awards: $177,116

Proposals included are defined as active grants based on end dates reported to the ORSP on the Principal Investigator's Proposal Approval Form plus any granted no-cost extension or contract addendum.

TOTAL MWU ACTIVE EXTRAMURALLY-FUNDED RESEARCH AWARDS: $28,665,132

PEER-REVIEWED PUBLICATIONS - MULTI-COLLEGE COLLABORATIONS

Agostini-Walesch, G. (CDMA), **Gallagher, T.** (AZCOM), **Tibble, B.** (AZCOM), **Stimpson, A.** (CGS), & Esfandiarei, M. (CGS). (2026). Sex-dependent alterations of the femoral geometry in a mouse model of Marfan syndrome. *JBMR plus*, *10*(6), ziag072.

Ahmad, S., Maeda, T., Contreras, J., Karamanova, N., Morrow, K. T., Raikwar, S., Akhter, N., **Iacoban, P.** (COP), **Lozoya, M.** (CDMA), Snider, J., **Weissig, V.** (COP), Ducruet, A. F., & Migrino, R. Q. (2026). Monosialoganglioside-containing nanoliposomes protect against acute and chronic ischemic stroke injury. *Journal of the American Heart Association*, *15*(6), e042974.

Alfano, P. (CGS), **Rocha, F.** (CGS), **Dille, A.** (CCOM), **Kirk, F.** (CCOM), **Kendall, M.** (CCOM), **Paul, E.** (CCOM), **Lyon, M.** (CCOM), **Ramakrishnan, U.** (CGS), **Pendleton, E.** (CGS), & **Vélez-Cruz, R.** (CGS). (2025). Inhibition of both SWI/SNF ATPases by BRM014 impairs homologous recombination, sensitizes cells to DNA damage and PARP inhibitors, and activates the cGAS/STING response. *DNA repair*, *152*, 103884.

Armijo, C. (CHS-DG), **Villagomez, A.** (CHS-DG), **Knecht-Sabres, L.** (CHS-DG), **Sangalli, L.** (CDMI), **Bolch, C.** (ORSP), **Lingle, D.** (CHS-DG), & **Alabsy, M. F.** (CDMI). (2025). Reducing musculoskeletal disorders in dental students through ergonomic education: A randomized intervention study. *Journal of rehabilitation practices and research, 6*(2), 183.

Barnes, H. (AZCOM), **Dougherty, M. A.** (CGS), **Vera, B. C.** (CGS), & **Kaufman, J. A.** (CGS). (2025). Cold storage of alarm substance reduces the behavioural stress response of zebrafish (Danio rerio). *Journal of fish biology*, 10.1111/jfb.70200. Advance online publication.

Bozoki, A., Jain, H., Olivarez, M., Gallant, S., **Reeder, S.** (AZCOM), & **Huntington-Alfano, K.** (CCOM). (2025). Feasibility of an Alzheimer's Disease care pathway: findings from an educational pilot in 2 healthcare systems. *Journal of primary care & community health*, *16*, 21501319251394537.

Davis, L. (AZCOM), **Rapp, M**. (AZCOM), **Rundell, Z.** (AZCOM) and **Al-Nakkash, L.** (CGS). (2026). Use of simulation in physiology teaching: a focus on medical education. *Current opinion in physiology. Themed issue on teaching a learning in physiology, 47*, 100920.

Douglas, M. (AZCOM), **Mckoy, M.** (AZCOM), **Rozeboom, J.** (AZCOM), **Rich, A.** (AZCOM), **Durning, A.** (AZCOM), **Valdez, D.** (CGS), **Smith, H. F.** (CGS), & **Lynch, L. M.** (CGS). (2025). Unique anatomical variations of the lateral femoral cutaneous nerve. *Cureus*, *17*(8), e89354.

Germansky, M. (CHS-GD), **Clark, K.** (CHS-GD), **Himes, J.** (CHS-GD), **Islas, A.** (CHS-GD), **Bliese, S.** (CHS-GD), **Denton, J.** (AZCOPT), **DeBarr, D.** (CHS-GD), **Esposito, C.** (AZCOPT), **Denton, W.** (AZCOPT), **Irwin, C.** (ORSP), & **Delap, C.** (CHS-GD). (2026). Evaluating fluid-filled glasses for motion sickness symptom mitigation in a computer-assisted rehabilitation environment (CAREN). *Journal of neuroengineering and rehabilitation*, *23*(1), 57.

Ghim, D. (AZCOM), **Dib, J.** (AZCOM), Moreira-Junior, L., & **Carvalho-de-Souza, J.** (CGS). (2025). Modulation of voltage-gated sodium channels from sensory neurons by isoeugenol. *International journal of molecular sciences*, *26*(16), 7734.

Gruszynski, K. (CGS), Babos, M., **Bishop, R.** (CCOM), **Sullivan, D.** (CHS-GD), & Brandt, L. (2026). Integration of one health activities into professional student education: successes, challenges, and considerations. *Frontiers in medicine*, *13*, 1756078.

Kazmi, S. (CDMI), **Sanford, E.** (CDMI), **Rammaha, Z. A.** (CGS), **Bengson, E. J.** (CGS), **Gao, F.** (CDMI), **Sangalli, L.** (CDMI), & **Roberts, C. M.** (CGS). (2025). Naltrexone has variable and schedule-dependent effects on oral squamous cell carcinoma cells. *International journal of molecular sciences, 26(*21), 10651.

Khalid, A. (CCOM), **Pytynia, M.** (CGS), **Cazares, S.** (CGS), **Batangan, D. K.** (CGS), **Repole, C**. (CGS), & **Hawkey, A. B.** (CGS). (2025). Behavioral pharmacology and toxicology of dimethyl sulfoxide in *artemia* nauplii: vehicle or positive control?. *Toxicology mechanisms and methods*, 1–19. Advance online publication.

Kim, J. (CGS), **Leslie, E.** (CGS), & **Kedwaii, H.** (CCOM). (2025). Breaking the 50+ barrier: Cortical speed of sound via quantitative ultrasound as a new age-at-death estimator in older adults. *Forensic science international*, *377*, 112621. Advance online publication.

Lane, C. P. (AZCOM), **Douglas, M.** (AZCOM), **Mckoy, M.** (AZCOM), **Rozeboom, J.** (AZCOM), **Karupakula, E. S.** (CCOM), **Patel, H. C.** (CCOM), **Ruble, K. P.** (CCOM), **Josenkoski, R.** (CCOM), **Ryabov, S.** (CCOM), **Zhai, J.** (CCOM), **Rich, A.** (AZCOM), **Durning, A.** (AZCOM), **McNeil, C.** (AZCOM), **Miller, G.** (AZCOM), **Valdez, D.** (CGS), **Campbell, T. L.** (CGS), **Ritzman, T. B.** (CGS), **Smith, H. F.** (CGS), & **Lynch, L. M.** (CGS). (2026). Anatomical variation in the external vasculature of the human heart: A cadaveric investigation of dominance in coronary artery branching and cardiac venous drainage. *Annals of anatomy = Anatomischer Anzeiger: official organ of the Anatomische Gesellschaft*, *263*, 152749.

Lee, A. H. (CGS), Talluri, G., **Damani, M.** (Core), **Covarrubias, B. V.** (CGS), **Hanna, H.** (AZCOM), **Chavez, J.** (AZCOM), **Moore, J. M.** (AZCOM), **Baradarian, J.** (AZCOM), **Molgaard, M.** (AZCOM), **Nielson, B.** (AZCOM), **Walden, K.** (AZCOM), **Broderick, T. L.** (CGS), & **Al-Nakkash, L.** (CGS). (2026). Deep learning software and revised 2D model to segment bone in micro-CT scans. *Frontiers in bioinformatics*, *5*, 1677527.

MacNeil, B. A. (CHS-GD), **Montross, M.** (AZCOM), **Re, S.** (CHS-GD), **Schultz, S.** (CHS-GD), **Robey, A.** (CHS-GD), & **Bolch, C.** (ORSP). (2026). Lifetime prevalence of hoarding disorder symptoms in adults with an eating disorder: A systematic review and meta-analysis. *Journal of psychiatric research*, *195*, 153–159.

Main, S. (CGS), **Suchy, S.** (CDMI), **Carrilho, M.** (CDMI), **Sharmin, Z.** (CDMI), **Hall, S.** (CDMI), **Rao, J.** (CDMI), Sawicki, C. M., **Bystrom, K.** (CDMI), & **Sangalli, L.** (CDMI). (2025). A cross-sectional study of salivary cortisol, alpha amylase, and measures of psychological distress in children undergoing dental procedures. *Children (Basel, Switzerland)*, *12*(9), 1235.

McCulloch, P. F. (CGS), **Margosiak, M.** (CGS), **Namburi, H.** (CCOM), **Kernosek, K.** (CCOM), & **DiNovo, K. M.** (CGS). (2025). Nasal trigeminal projections and medullary dorsal horn neuronal activation during voluntary diving in rats. *Frontiers in physiology*, *16*, 1669864.

Medharametla, S. (CCOM), **Borger, G.** (CCOM), **Gaonkar, S.** (CGS), & **Valenzuela, I. M. Y.** (CGS). (2025). Abnormalities in the genioglossus muscle and its neuromuscular synapse in leptin-deficient male mice. *Skeletal muscle*, *15*(1), 18.

Mills, D. A. (CDMA), **Wild, J.** (CHS-GD), Black, D. (CHS-GD), & **Hoover, E. B.** (CHS-GD). (2026). Bridging the health equity gap: Innovative PA and dental student fluoride varnish training. *Journal of dental education*, 10.1002/jdd.70200. Advance online publication.

Morson, C. A. (CGS), **Uppalapati, C. K.** (CGS), **Lopez, B. S.** (CVM), & **Kronstad, L. M.** (CGS). (2025). Influenza A virus disruption of dendritic cell-natural killer cell crosstalk impacts activation of naïve helper and cytotoxic T cell subsets. *ImmunoHorizons*, *9*(8), vlaf024.

Nelson, V. (CGS), **Heneghan, K.** (CGS), **Rafferty, D.** (CCOM), **Bedi, S.** (CGS), & **Puthanveetil, P.** (CGS). (2025). Cardiac glycogen fluctuations are robust in short-term than long-term binge drinking and follows a sex specific manner. *Cell biochemistry and function*, *43*(11), e70135.

Oliva, A. (AZCOM), **Kreisler, R.** (CVM), **Romkema, A.** (CGS), **Madsen, S.** (AZCOM), Furman, H., **Maag, C.** (CVM), **Schaefer, C.** (CGS), **Hernandez, J. A.** (CGS), **Lee, J. K**. (CVM), **Quinlan, M**. (CGS), & VandenBrooks, J. (2025). Canine spotted fever group rickettsial seroprevalence as an indicator for human rocky mountain spotted fever case rates in Arizona, USA. *Zoonoses and public health*, 10.1111/zph.70009. Advance online publication.

Osman, M. (CGS), **Sharmin, Z.** (CDMI), **Suchy, S.** (CDMI), **Gao, F.** (CDMI), **Kaminski, A.** (CGS), **Mitchell, J. C.** (CDMA), **Sigar, I. M.** (CGS), & **Carrilho, M. R.** (CDMI). (2025). Bioinspired smart dentin ECM-chitosan hydrogels for dentin-pulp complex regeneration. *Journal of dentistry*, *159*, 105811.

Pais, G. M. (COP), **Lesnicki, E.** (CGS), **Marianski, S.** (COP), **Valdez, K.** (COP), **Gibson, Z.** (COP), **Christopher, J.** (COP), **Lepard, K.** (CGS), **Gilchrist, A.** (COP), Mizuno, T., & **Scheetz, M. H.** (COP). (2026). Elevated hippocampal and cortical cefepime concentrations correlate with seizures in an acute kidney injury rat model. *Antimicrobial agents and chemotherapy*, e0100525. Advance online publication.

Rath, T. (CHS-GD), **Sugden, M.** (CGS), Evans, E., **Dana, K.** (CHS-GD), **Rentschler, M.** (AZCOM), **Bolch, C.** (ORSP), & **Darban, N. H.** (CHS-GD). (2026). The effect of surgical field suction flow rate and venous reservoir levels on gaseous microemboli transmission⋆. *The journal of extra-corporeal technology*, *58*(1), 19–31.

Ruble, K. P. (CCOM), **Ritzman, T. B.** (CGS), & **Campbell, T. L.** (CGS). (2026). A unique right gonadal artery origin and course with embryological implications: case report. *Folia morphologica*, *85*, e01726087.

Sangalli, L. (CDMI), De Sanctis, D. T., **Rao, J.** (CDMI), **Nguyen, Q.** (CDMI), **Fomenko, K.** (CDMI), **Shekari, T.** (CDMA), Alessandri-Bonetti, A., & Savoldi, F. (2026). Discrepancies between actual and expected orthodontic treatment duration with pre-adjusted edgewise fixed appliances: A case-control study of factors associated with treatment delays. *Journal of orthodontics*, 14653125261444745. Advance online publication.

Sangalli, L. (CDMI), Rayens, W. S., Sawicki, C. M., **Tuason, D.** (CDMI), Herrero Babiloni, A., Fricton, J., & **Prodoehl, J.** (CHS-DG). (2025). Higher confidence levels in temporomandibular disorders among predoctoral students with clinical patient exposure: A national-based cross-sectional study. *European journal of dental education: official journal of the association for dental education in Europe*, 10.1111/eje.13138. Advance online publication.

Sangalli, L. (CDMI), Sawicki, C. M., Fricton, J., **Haering, H. J.** (CDMI), & **Prodoehl, J.** (CHS-DG). (2025). Current status of temporomandibular disorders education in U.S. predoctoral dental curricula: A nationwide survey. *Cranio: the journal of craniomandibular practice*, 1–12. Advance online publication.

Sharma, A. (CCOM), & **Upadhyaya, S.** (CCO). (2026). Noninvasive brain stimulation of the left frontal eye field alters fixational control but leaves visually guided saccades unchanged. *Optometry and vision science: official publication of the American academy of optometry*, *103*(1), e70025.

Sudler, S. R. (AZCOM), **Vroegop, S. A.** (AZCOM), **McDonald, H. M.** (AZCOM), **Weiss, E.** (AZCOM), **Dennard, D.** (AZCOM), **Irwin, C.** (ORSP), **Finch, C.** (AZCOM), & **Al-Nakkash, L.** (CGS). (2026). Assessing the use of cardiac ultrasound as an adjunct to physiology education at the medical school level. *Advances in physiology education*, *50*(1), 205–215.

Tuason, D. (CDMI), Sawicki, C., Fricton, J., **Prodoehl, J.** (CHS-DG), **Palatinus, S.** (CDMI), & **Sangalli, L.** (CDMI). (2025). Comparison of different predoctoral educational modalities on knowledge levels in temporomandibular disorders: A national-based cross-sectional study. *Journal of dental education*, 10.1002/jdd.70000. Advance online publication.

Vaid, M. (AZCOM), **Dahbur, H.** (CGS), **Dahbour, H.** (CGS), & **Valenzuela, I. M. P.** (CGS). (2026). Emerging evidence for skeletal muscle as a target of BPA exposure. *BMC endocrine disorders*, *26*(1), 238.

PEER-REVIEWED PUBLICATIONS - MULTI-COLLEGE COLLABORATIONS (Continued)

Vroegop, S. A. (AZCOM), **Sudler, S. R.** (AZCOM), **McDonald, H. M.** (AZCOM), & **Al-Nakkash, L.** (CGS). (2025). Enhancing respiratory physiology instruction with point-of-care ultrasound: a brief educational intervention. *Advances in physiology education*, *49*(4), 929–933.

Zou, E. (CCOM), **Venkatraman, C.** (CCOM), **Sweeney, J.** (CCOM), **Flannery, K.** (CCOM), **Lailer, S.** (CCOM), **Mehdiyar, D.** (CCOM), **Parikh, K.** (CCOM), **Salik, M.** (CCOM), **Baughman, B.** (CCOM), & **Arnouk, H.** (CGS). (2025). Current and emerging protein biomarkers for the diagnosis and prognosis of head and neck cancer. *Genes*, *16*(12), 1493.

PEER-REVIEWED PUBLICATIONS - AZCOM

Tanquilut, E., Dumke, M., Parga, A., **Suhling, M.**, Hunt, J., Bae, K., Kong, Y., & Frasier, K. (2026). Adapting glucagon-like peptide-1 receptor agonists for innovative psoriasis therapy. *Journal of cutaneous medicine and surgery*, 12034754261428062. Advance online publication.

PEER-REVIEWED PUBLICATIONS - AZCOPT

Richards, J., Hunter, J. J., **Gantes-Nuñez, J.**, Bradley, A., & Kollbaum, P. (2025). Radiometric and safety assessment of a 'low-level red-light' myopia control device. *Ophthalmic & physiological optics: the journal of the British college of ophthalmic opticians (optometrists)*, 10.1111/opo.70009. Advance online publication.

PEER-REVIEWED PUBLICATIONS - AZCPM

Jenkins, D. W., **Berggren, S. W.**, & Pierson, K. (2025). Canines masticating on the lower extremity. *Journal of the American podiatric medical association*, *115*(6), 24-071.

Starr, A., **Duong, T.**, **Jenkins, D. W.**, **Bolch, C.**, & **Jensen, J. L.** (2025). Comparing self-perceived awareness with actual awareness of the podiatric medicine profession among high school and college students. *Journal of the American podiatric medical association*, *115*(6), 23-172.

Von Musser, M., McCulley, H., & **Jenkins, D.** (2026). Feasibility for utilization of assessment for lack of protective sensation as part of foot screening for persons with intellectual disabilities. *Journal of the American podiatric medical association*, *116*(2), 24112.

PEER-REVIEWED PUBLICATIONS - CCO

Chen, X., **Chakraborty, A.**, Bobier, W., & Thompson, B. (2025). A comparison between two ocular dominance tests: letter dominance and binocular rivalry. *Canadian journal of optometry*, *87*(4), 27–37,39.

Chen, X., Ye, R., **Chakraborty, A.**, Thompson, B., & Zhou, J. (2026). Perceptual learning of multiple object tracking is not enhanced by transcranial random noise stimulation of hMT. *Translational vision science & technology*, *15*(6), 33.

Rice S. (2025). The impact of study and time management skills workshops on first-year optometry students. *J Optometric Ed*, **50**(4), 14-19.

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Jaffey, J. A., **Kreisler, R.**, Backus, R. C., **Gordon, D.**, & **Chittick, L.** (2025). Effects of short-term calcifediol supplementation on leukocyte cytokine production in healthy dogs: A randomized, double-blinded, placebo-controlled crossover trial. *Journal of veterinary internal medicine*, *39*(5), e70240.

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PEER-REVIEWED PUBLICATIONS - LIBRARY

Denneler, A., Strahan, K., & **Arriola, R.** (2025). Integrating evidence-based practice into the framework for health sciences librarians. In: Libson SP, Willey M, eds. Teaching information literacy by discipline using and creating adaptations of the framework. *Association of college & research libraries.*

ISSUED PATENTS

Anil Gulati (COP) Alterations in Endothelin Receptors Following Hemorrhage and Resuscitation by Centhaquin. Australian Patent No. 2019262612. Issue Date: July 17, 2025.

Anil Gulati (COP) Alterations in Endothelin Receptors Following Hemorrhage and Resuscitation by Centhaquin. Canadian Patent No. 3099128. Issue Date: October 14, 2025.

Anil Gulati (COP) Alterations in Endothelin Receptors Following Hemorrhage and Resuscitation by Centhaquin. U.S. Patent No. 12,629,406. Issue Date: May 19, 2026.

INTRAMURAL FUNDING

AZCOPT

Investigator/s	College	Department	Proposal Title
Esposito, C.	AZCOPT	Optometry	Deposition of Tau and Amyloid-beta in the Tear Film of Acquired & Traumatic Brain Injury Patients
Fintelmann, R., Esposito, C., & Gantes-Nunez, J.	AZCOPT	Optometry	Characterization of Afforable Spectral Filters for Low-visiton Correction
Gantes-Nunez, J.	AZCOPT	Optometry	Correlation between the Contrast Sensitivity Function and the Pupillary Light Reflex
Kozlowski, M.	AZCOPT	Optometry	Promotion of Corneal Epithelial Healing by Epithelial Growth Factor
Roe, M.	AZCOPT	Optometry	Determining the Learning Curve on the Senaptec Sensory Station
Vasudevan, B. & Helmuth, K.	AZCOPT	Optometry	Assessment of the Magnitude of Imflammatory Markers in Dry Eye Patients
Yeh, F.	AZCOPT	Optometry	The Effect of Corneal Crosslinking on Keratoconic Eyes
Yeh, F.	AZCOPT	Optometry	Refractive Differences Between Celluvisc and LacriPure in Scleral Lens Wear
Yevseyenknov, V. & Esposito, C.	AZCOPT	Optometry	Evaluating Optometry Student Study Strategies: A Pre-Post LASSI Intervention

Total AZCOPT Intramural Funding: $35,743

CCO

Investigator/s	College	Department	Proposal Title
Gialousakis, J.	CCO	Optometry	The Daily Change in Refractive Error with Orthokeratology Lenses
Kalas, K.	CCO	Optometry	Visual and Ocular Effects from Augmented Reality Devices: Phase 1 - Meta Quest 3
Lau, J.	CCO	Optometry	The Effects of Electric vs. Microwavable Warm Compresses on Dry Eye Patients
Nadarajah, V., Lau, J.	CCO	Optometry	Morphological Evaluation of Meibomian Glands in a Pediatric Population Using Non-Contact Infrared Meibography
Rhea, D., Nadarajah, V., Williams, J.	CCO	Optometry	A Comparison of Soft Multifocal Contact Lenses used for Myopia Management and Their Effect on Ocular Surface Health
Wilczek, M., Gulati, N.	CCO	Optometry	Impact of Mascara Formulation on Dry Eye Symptoms: A Comparative Study

Total CCO Intramural Funding: $4,341

CGS

Investigator/s	College	Department	Proposal Title
Al-Nakkash, L.	CGS	Physiology	Influence of Genistein Diet on the ΔF508-CF Mouse
Bae, N.	CGS	Biochemistry & Molecular Genetics	Effects of Telomeric Protein Mutations on Amyloid Beta Production
Bjork, B.	CGS	Biochemistry & Molecular Genetics	Prdm16 and Prdm3 Loss Impairs Palatogenesis and Craniofacial Bone and Cartilage Development
Bodenstine, T.	CGS	Biochemistry & Molecular Genetics	Characterizing CD44 and Metabolic Adaptation Responses in Cancer Cell Lines
Buhlman, L.	CGS	Biomedical Sciences	Assessing Motor Behavior in MnP-05 Treated Parkin-Null Drosophila
Bussey, K.	CGS	Precision Medicine	Validating Cancer's Reliance on Unicellular Genes
Call, G.	CGS	Pharmacology	Microbiome Effects in Trans-Heterozygous Parkinson's Disease Model Flies

INTRAMURAL FUNDING

CGS (Continued)

Investigator/s	College	Department	Proposal Title
Ciancio, M.	CGS	Biomedical Sciences	Impact of Intestinal Heat Shock Protein 70 on Circadian Clock Genes
Ebeid, M.	CGS	Anatomy	The Role of Inner Pillar Cells in Hair Cell Innervation During Cochlear Development
Eckman, D.	CGS	Biomedical Sciences	Cerebrovascular Function in Adult Male and Female Offspring Exposed to Dexamethasone In Utero
Edwards, J.	CGS	Pharmacology	Effects of the Antihistamine Diphenhydramine on the Excitability and Glucose-Stimulated Insulin Secretion of MIN6 Cells, an in vitro Model of Pancreatic Beta Cells
Fornaro, M.	CGS	Anatomy	Investigation of ECEL1 Expression Levels in DRG Exposed to Topographic Cues
Gadagkar, S.	CGS	Biomedical Sciences	Improving Species Delimitation in the Impatiens genus (Balsaminaceae) through Multi-Locus DNA Barcoding
Gasiorowski, J.	CGS	Biomedical Sciences	Developing Decellularized Hemp as a Novel Plant-Based Scaffold for Mammalian Tissue Engineering
Georgi, J.	CGS	Anatomy	Panniculus Carnosus and the Pectoralis Muscles in Tetrapods
Gonzalez, F.	CGS	Microbiology & Immunology	Effects of the Proteasome on Protein Accumulation in a Yeast Alzheimer's Disease Model
Grossman, A.	CGS	Anatomy	Paleontology of the Early Miocene Sediments of the Levantine Corridor
Haley, N.	CGS	Microbiology & Immunology	Biochemical Evaluation of Rare Chronic Wasting Disease Isolates for Evidence of Novel Strains and Host Adaptation
Hall, M.	CGS	Anatomy	Anatomy of the Peripheral Nervous System in Vertebrates
Heesy, C.	CGS	Anatomy	Latitudinal Gradients in Population-Level Variation in Endocast Volume and Morphology Using Wild Minks (Neogale vison) as a Model System
Hernandez, J.	CGS	Biochemistry & Molecular Genetics	Elucidation of the Antibacterial Properties of a Small Molecule Isolated from Fouquieria Splendens
Hnida, J.	CGS	Microbiology & Immunology	Coccidia of Gray-collared Chipmunk and Golden-mantled Ground Squirrel Populations in Northern Arizona
Hull, E.	CGS	Biomedical Sciences	Identification of Epigenetic Factors in Tumor Cell Plasticity: SWI/SNF Chromatin Remodeling Activity
Jones, D.	CGS	Biomedical Sciences	Targeting Fatty Acid Metabolism in Alzheimer's Disease: A Special Interest in Lauric Acid
Jones, B.	CGS	Anatomy	Assessment of Protein Nitration in Dopaminergic Neurons in a Drosophila Melanogaster Model of Parkinson Disease
Kopf, P.	CGS	Pharmacology	The Pathophysiology of Moderately High Salt-Induced Hypertension
Korch, S.	CGS	Pharmacology	Analysis of the Metabolic Adaptive Response to Reduced ATP in HeLa Cancer Cells
Kristjansdottir, K.	CGS	Biomedical Sciences	Characterizing Morphology and Susceptibility to Chemotherapy Agents in 3-D and 2-D Neuroblastoma Cell Culture Models
Kronstad, L.	CGS	Microbiology & Immunology	Enhancing Translation of Influenza Viral Antigens to Improve Dendritic Cell-Mediated Innate Immune Responses
Lawson, K.	CGS	Biochemistry & Molecular Genetics	Cadherin-dependent Signaling in Oral Tumor Development
Leyva, K.	CGS	Microbiology & Immunology	Identification of Cathepsin L RNA Variants in Microglial and Neuronal Cells
Lynch, L.	CGS	Anatomy	Assessing the Effects of Genomic and Environmental Variation in Brain Morphology in Wild Populations of Mink
Molehin, A.	CGS	Microbiology & Immunology	Process Development and Efficacy Testing of Schistosoma Mansoni Serine Protease Inhibitor-based Vaccines Against Hepato-intestinal Schistosomiasis in a Mouse Model of Infection
Muldoon, K.	CGS	Anatomy	Picture of "Health": A Sentiment Analysis of Images of Individuals with Disabilities in Medical Textbooks

INTRAMURAL FUNDING

CGS (Continued)

Investigator/s	College	Department	Proposal Title
Norris, J.	CGS	Pharmacology	Pharmacokinetics and Pharmacodynamics of Amantadine in Horses with Osteoarthritis
Olson, C.	CGS	Physiology	Psychoacoustic Hearing Assessment in Hummingbirds and Songbirds
Pierce, M.	CGS	Pharmacology	Identification of Novel Neuroactive Marine Natural Products for Neuroscience Drug Development
Porta, M.	CGS	Physiology	The Memory of Pregnancy in the Uterus: Contractility
Puthanveetil, P.	CGS	Pharmacology	Translational Approach to Study Acute Glucocorticoid Excess Induced Cardiac Stress Using Human iPSC Derived Cardiac Cells and Cardiac Organoids
Roberts, C.	CGS	Pharmacology	Creation and Characterization of in vitro Cell Line Models for the Study of Antimicrobial Nephrotoxicity
Rodriguez Sosa, J.	CGS	Anatomy	Determination of Spermatogenesis Established by Transplanted Spermatogonial Stem Cells and Sertoli Cells from Piglets into Mouse Testes
Simons, E.	CGS	Anatomy	Comparative Somatic Nervous System in Penguins and Other Tetrapods
Stephenson, E.	CGS	Anatomy	Head-to-Head Comparison of Two Protocols Used to Study the Physiology of Physical Activity and Inactivity in Preclinical Models
Strizzi, L.	CGS	Pathology	The Effects of Presenilin-1 on Growth of Melanoma in Alzheimer's Disease
Swanson-Mungerson, M.	CGS	Microbiology & Immunology	Impact of Epstein Barr Virus (EBV) LMP2A on CAR-T cell Mediated Killing of B Cell Lymphomas
Swartzendruber, J.	CGS	Microbiology & Immunology	Mechanism of Bacillus subtilis-Mediated Protection in Murine Models of Allergic Disease
Traka, M.	CGS	Anatomy	Exploring the Role of N-acetylaspartate (NAA) Function in the CNS
Tiwari, V.	CGS	Microbiology & Immunology	Screening the Library of Marine-Derived Sulfated Glycans to Prevent Human Immunodeficiency Virus (HIV) Glycoprotein Mediated Host Cell Fusion

Total CGS Intramural Funding: $234,000

CHS-DG

Investigator/s	College	Department	Proposal Title
Campione, E.	CHS-DG	Physical Therapy	Admission and Noncognitive Psychological Factors Predicting Academic Success in a Private, Professional Physical Therapy Program and Performance on the National Physical Therapy Examination
Evans, C.	CHS-DG	Physical Therapy	Factors Affecting Running Form and Foot-strike Pattern in Runners using 2D-Video Gait Analysis
Krzak, J.	CHS-DG	Physical Therapy	Evaluating the Impact of a Digital Platform (Cove) on Pediatric Home Activity Program Prescription and Compliance
Simpson, E.	CHS-DG	Occupational Therapy	A Work Exploration Program for Young People in an Emergency Shelter
Singh, B.	CHS-DG	Physical Therapy	To Determine Association Between Institutional Characteristics and Student's National Physical Therapy License Pass Rate

Total CHS-DG Intramural Funding: $19,458

INTRAMURAL FUNDING

CHS-GD

Investigator/s	College	Department	Proposal Title
Darban, H.	CHS-GD	Cardiovascular Science	Biomarker Expression as an Indication of Platelet Activation During Cardiopulmonary Bypass
Hussey, H.	CHS-GD	Occupational Therapy	The Lived Experience of Upper Limb Injury: An Occupational Perspective
Selim, C.	CHS-GD	Occupational Therapy	Incorporating Virtual Reality (VR) into the OT Classroom

Total CHS-GD Intramural Funding: $16,510

COP

Investigator/s	College	Department	Proposal Title
Chen, H., Kawas, J., & Huang, V.	CPG	Pharmacy Practice	Evaluate in vitro Activity of Cefiderocol Dual and Triple Combinations against Stenotrophomonas Maltophilia
Goodlet, K.	CPG	Pharmacy Practice	From Options to Enrollment: What Drives Pharmacy School Choice for Students with Multiple Admissions Offers?
Marianski, S.	CPDG	Pharmacy Practice	Testing of a Monoclonal Antibody Directed at Megalin to Prevent Vancomycin Induced Kidney Injury
Olsen, M.	CPG	Pharmaceutical Sciences	Drug Development for Prevention of Drug Induced Kidney Injury (DIKI)
Pais, G.	CPDG	Pharmacy Practice	Defining Biomarkers of Blood Brain Barrier Permeability and Seizure Activity in a Rat Model of Cefepime-induced Neurotoxicity
Pais, G.	CPDG	Pharmacy Practice	Supply Grant
Scheetz, M.	CPDG	Pharmacy Practice	Supply Grant
Shiau, J.	CPDG	Pharmacy Practice	Creating a Translational Mouse Model to Describe Vancomycin Injury and Functional Adverse Events
Valadez, A.	CPDG	Pharmacy Practice	Evaluating Surfactant Protein D as a Biomarker for ELF Dilution Correction in BAL Samples in Critically Ill Patients
Valdez, K.	CPDG	Pharmacy Practice	Development and Validation of an LC-MS/MS Assay for Meropenem Quantification in Broth

Total COP Intramural Funding: $98,932

CVM

Investigator/s	College	Department	Proposal Title
Jaffey, J.	CVM	Veterinary Medicine	Diagnostic Accuracy of Whole-blood PCR for Canine Coccidioidomycosis
Jaffey, J. & Moghaddam, R.	CVM	Veterinary Medicine	Effect of Gabapentin and Pregabalin on Blood Pressure and Serum Cortisol Concentrations in Healthy Dogs
Jakka, P.	CVM	Veterinary Medcine	Identification of Immunodominant Epitopes and Adaptive Immune Signatures of Coccidioides Infection in Dogs
Li, W.	CVM	Veterinary Medcine	Defining Tissue-Resident Memory CD8 T-cell Phenotypes and Epithelial Interactions in Chlamydia Muridarum Infection

Total CVM Intramural Funding: $55,925

INTRAMURAL FUNDING

FACULTY SEED GRANT AWARDS

Investigator/s	Campus	Proposal Title
Sangalli, L.	Downers Grove	Reevaluating the Role of Masticatory Muscle Activity in Chronic Myofascial Pain Using a 24-Hour Wearable Device
Esfandiarei, M.	Glendale	Reinventing Ang-(1-7): A Long-Lasting Bisphosphonate-Conjugated Analog for Targeted Aortic Aneurysm Intervention
Ebeid, M., Tiwari, V.	Downers Grove	The Mechanism of Sensorineural Hearing Loss in Congenital Cytomegalovirus Infection
Wellensiek, B., Kronstand, L.	Glendale	Improving the Immunogenicity of Influenza mRNA-based Vaccines by Harnessing Translation Enhancing Elements

Total Faculty Seed Grant Funding: $40,000

IMPROVING HEALTH CARE DELIVERY AND REDUCING HEALTH CARE DISPARITIES IN UNDERSERVED COMMUNITIES AWARD

Investigator/s	Campus	Proposal Title
Muldoon, K.	Glendale	Stop CMV AZ: Improving Healthcare Delivery and Reducing Health Care Disparities for Childbearing People and Children in Arizona
Simpson, E., Robinson, M.	Downers Grove	Building a Home: Skills to Manage Housing in Marginalized Young People Experiencing Homelessness

Total Health Care Delivery Research Funding: $19,657

ONE HEALTH RESEARCH AWARDS

Investigator/s	Campus	Proposal Title
Lynch, L.	Glendale	The Impact of Environmental Teratogens on the Evolution of CNS Development Genes and Their Associated Phenotypes
Prakapenka, A. & Strizzi, L.	Downers Grove	The Role of Presenilin-1 in Determining Melanoma Fate in Alzheimer's Disease

Total One Health Research Funding: $20,000

CLINICAL RESEARCH SERVICES AWARDS

Investigator/s	Campus	Proposal Title
Wu, B.	Glendale	Correlation of Ki-67 Expression on Flow Cytometry with Canine Cutaneous Mast Cell Tumors: Clinical Stage, Tumor Grade, and Survival
Sangalli, L.	Downers Grove	Effectiveness of Virtual Patient-Based Learning to Enhance Clinical Exposure to Temporomandibular Disorders
Rosenberg, A.	Downers Grove	Does High-Intensity Exercise Improve Cognitive Function and Language Processing Through Increased Cerebral Blood Flow in Older Adults? A Pilot Study.

Total Clinical Research Services Awards Funding: $60,000

TOTAL MWU INTRAMURAL FUNDING AWARDED BY ALL COLLEGES AND DEPARTMENTS DURING THIS REPORTING PERIOD: $514,066

FY 2026 ANNUAL REPORT

UNIVERSITY-FUNDED RESEARCH SUPPORT POSITIONS BY CAMPUS*

MWU "HARD MONEY" RESEARCH SUPPORT POSITIONS		
CAMPUS	FTE	TOTAL COMPENSATION FOR REPORTING PERIOD
DOWNERS GROVE, ILLINOIS	26.9	$1,854,283
GLENDALE, ARIZONA	31.0	$2,039,641
TOTAL	57.9	$3,893,924

***THIS INCLUDES FUNDED OR FILLED, TEMPORARY OR PERMANENT POSITIONS. THIS DOES NOT INCLUDE "SOFT MONEY" RESEARCH POSITIONS FUNDED BY GRANTS OR CONTRACTS.**

TOTAL COMPENSATION TO ALL COLLEGES FOR RESEARCH SUPPORT POSITIONS IN THIS REPORTING PERIOD IS $3,893,924

UNIVERSITY-FUNDED CAPITAL RESEARCH EQUIPMENT

Another manner in which MWU supports research is through consideration and funding of capital research equipment requests submitted by departments. In FY2026, MWU spent $990,309 on capital equipment purchases for research purposes across both campuses.

UNIVERSITY-FUNDED *PER DIEM* CHARGES

MWU also supports research through the waiving of animal *per diem* charges for those seeking extramural funding. During FY2026, MWU waived $217,659 in animal *per diem* charges across both campuses.

UNIVERSITY-FUNDED RECAPTURED SALARIES AS "ADDITIONAL COMPENSATION"

Finally, another way that MWU supports research is through offering additional pay to faculty who receive grants which support "hard money" salary positions. When grant funds are exhausted the additional pay is eliminated. During FY2026, MWU paid out $598,639 as "Additional Compensation" to faculty Principal Investigators on grants. This payment is available to all faculty who receive extramural funding for their research, subject to the ORSP's *Recaptured Salaries on Grants* policy.

FY 2026 ANNUAL REPORT

UNIVERSITY-FUNDED STUDENT SUPPORT POSITIONS BY CAMPUS

RESEARCH SUPPORT FOR STUDENTS IN DOWNERS GROVE, ILLINOIS		
ACTIVITY	NUMBER OF AWARDS	TOTAL FUNDING
RESEARCH POSTER PRINTING	425	$7,768
TRAVEL TO PRESENT RESEARCH	94	$59,667
FELLOWSHIPS#	56	$249,000
TOTAL FUNDING IN SUPPORT OF STUDENT RESEARCH ACTIVITIES IN ILLINOIS		$316,435

RESEARCH SUPPORT FOR STUDENTS IN GLENDALE, ARIZONA		
ACTIVITY	NUMBER OF AWARDS	TOTAL FUNDING
RESEARCH POSTER PRINTING	525	$11,724
TRAVEL TO PRESENT RESEARCH	69	$12,512
FELLOWSHIPS#	55	$308,264
TOTAL FUNDING IN SUPPORT OF STUDENT RESEARCH ACTIVITIES IN ARIZONA		$332,500

#Includes fellowships awarded in FY26, even though some payments are made in FY27.

TOTAL FUNDING IN SUPPORT OF STUDENT RESEARCH ACTIVITIES ACROSS BOTH CAMPUSES IS $648,935

Visit the ORSP website at

https://www.midwestern.edu/research/office-research-sponsored-programs

MWU FACULTY JOINT APPOINTMENTS

AZCOM

Layla Al-Nakkash
Karen Baab
Nancy Bae
Kimberly Bussey
Gerald Call
David Jon Carroll
Robert Fintelmann
Sunhindra Gadagkar
Justin Georgi
Aryeh Grossman
Wade Grow
Margaret Hall
Jose Hernandez
Elizabeth Hull
Thu Huynh
Sandra Inouye
Garilyn Jentarra
Nathan Johnson
Douglas Jones
T. Bucky Jones
Sam Katzif
Jason Kaufman
Chongwoo Kim
Shaleen Korch
Lisa Kronstad
Kathryn Lawson
Andrew Lee
Kathryn Leyva
David Line
Leigha Lynch
Adebayo Molehin
Kathleen Muldoon
Jeffery Norris
Christopher Olson
Matthew O'Neill
Pamela Potter
Parveen Ranjan
Ann Revill
Tobias Riede
Joshua Routh
Dhritiman Samanta
Minsub Shim
Erin Simons
Heather Smith
Mark Swanson
Kathryn Townsend
Tony Tullot
Johana Vallejo-Elias
Carrie Veilleux
Mariah Zeigler

AZCOPT

Karen Baab
Nancy Bae
Gerald Call
Daniel Deligio
Fernando Gonzalez
Aryeh Grossman
Wade Grow
Margaret Hall
Jose Hernandez
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Douglas Jones
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AZCPM

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Pamela Potter
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Erin Simmons
Kathryn Towsend
Tony Tullot

CCO

Bryan Bjork
Kyle Henderson
Sandra Inouye
Phillip Kopf
Kathy LePard
David Line
Rafael Mejia-Alvarez
Marsha Pierce
Maura Porta
Luigi Strizzi
Sinju Sundaresan
M. Swanson-Mungerson
Julie Swartzendruber
Martin Szul
Vaibhav Tiwari
Renier Velez-Cruz
Susan Viselli
Michael Volin

CCOM

Bryan Bjork
Thomas Bodenstine
Timothy Campbell
Arijit Chakraborty
Mae Ciancio
J. Wesley Cook
Michael Ebeid
Joshua Edwards
Michael Fay
Michele Fornaro
Eric Gorscak
Sam Gutherz
William Hampton
Ying He
Kurt Heinking
Kyle Henderson
Sandra Inouye
John Kasimos
Ji Eun Kim
Phillip Kopf
Richard Laddaga
Kathy LePard
Erin Leslie
Kristina Martinez-Guryn
Rafael Mejia-Alvarez
Orhay Mirzapolos
William Moran
Marsha Louise Pierce
Maura Porta
Walter Prozialeck
Prasanth Puthanveetil
Terrence Ritzman
Cai Roberts
Alexander Rosenberg
Frank Serrechia
Ira Sigar
Erin Stephenson
Luigi Strizzi
Sinju Sundaresan
M. Swanson-Mungerson
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CDMA

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I. M. P. Valenzuela
Candace Mazewski
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CGS

Mark Acierno
Shridhar Andurkar
Clemence Chako
Tamer Elbayoumi
Christian Evans
Vanthida Huang
Melanie Jordan
Medha Joshi
Rachael Kreisler
Jung Keun Lee
Weidang Li
John Mitchell
Ogi Okwumabua
Mark Olsen
Byron Russell
Marc Scheetz
Charles Veltri
Volkmar Weissig
Kathryn Wycislo
Mingyi Yao

CHS-DG

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Jose Rodriguez Sosa
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