



Office of Research Affairs

Annual Report:

July 1, 2021 – June 30, 2022

Paul J. Hershberger, PhD, Associate Dean for Research Affairs
Autumn James, BS, Research Affairs Coordinator

1

Statement from the Associate Dean

Following are several highlights from the 2021-22 academic year for the Office of Research Affairs:

- The Research Committee awarded five seed grants.
 - Recipients in the Collaborative Translational Research Grant category were:
 - Drs. Danielle Gainer (Psychiatry) and Sydney Silverstein (Population and Public Health Sciences): “Disparate trajectories: A mixed-methods study of race and gender disparities in post-overdose outcomes.”
 - Drs. Weiwen Long (Biochemistry and Molecular Biology) and Robert Lober (Pediatrics): “Defining the roles of SRC-3 and SOX2 in diffuse intrinsic pontine glioma (DIPG).”
 - Drs. Ravi Sahu (Pharmacology and Toxicology) and Kelly Miller (Internal Medicine): “Translational relevance of the PAF system in combination chemotherapy-mediated micro-vesicle particles release.”
 - Recipients in the Junior Faculty Award to Support Diversity in Research category were:
 - Dr. Kwang-Jin Cho: “Define phosphatidylinositol 4-kinase IIIB as a novel and tractable target for blocking oncogenic K-Ras signaling.”
 - Dr. Timothy Crawford: “African American older adults living with HIV: Exploring intersectional stigma and HIV.”
- The Associate Dean of Research Affairs, Dr. Madhavi Kadakia, was promoted to Vice Provost for Research and Innovation. Dr. Paul Hershberger was subsequently appointed to serve as Interim Associate Dean for Research Affairs.
- As part of the BSOM Strategic Planning process, a subcommittee for Research identified the following priorities:
 - Promote research among clinical and basic science faculty.
 - Emphasize faculty recruitment and retention.
 - Create infrastructure for centralized support of research activities.
 - Increase financial management and reporting.
- The First Annual BSOM Research Symposium was held on April 6, 2022, an event combining the former Central Research Forum and the Medical Student Research Symposium. Three medical students and five faculty presented their research in a plenary session and 57 students and faculty posters were included in the Poster Session.
- Goals for the 2022-23 academic year include:
 - Employ staff for the Office of Research Affairs with an emphasis on increasing research activity and funding.
 - Conduct another Seed Grant application and award process.
 - Improve internal and external communications about BSOM research.
 - Collaborate with the Department of Medical Education in expanding research opportunities for medical students.

2 Scholarly Activity

Grant Funding Overview

	Count	Sponsor	F&A	TDC	Project
School of Medicine (BSOM) Totals	123	\$15,996,610	\$2,935,152	\$13,288,485	\$16,223,634
Biochemistry/Molecular Biology-SOM (BYM55)	7	\$1,268,782	\$350,697	\$918,085	\$1,268,782
Business Office-SOM (BOM55)	4	\$3,836,977	\$197,247	\$3,639,730	\$3,836,977
Family Medicine (FPR55)	3	\$829,075	\$68,295	\$760,780	\$829,075
Medical Education – BSOM (ASM55)	1	\$244,004	\$0	\$244,004	\$244,004
Medicine (MED55)	4	\$382,237	\$117,238	\$492,023	\$609,261
NeuroSci Cell Bio Physiology-SOM (ANM55)	20	\$3,386,579	\$1,011,655	\$2,374,925	\$3,385,579
Orthopedic Surgery (OSM55)	2	\$62,213	\$12,838	\$49,375	\$62,213
Pediatrics (PED55)	3	\$47,168	\$15,724	\$31,445	\$47,168
Pharmacology & Toxicology-SOM (PCL55)	41	\$1,979,885	\$484,342	\$1,495,543	\$1,979,885
Population and Public Health Sci (CMH55)	19	\$2,783,576	\$643,511	\$2,140,065	\$2,783,576
Psychiatry (PYC55)	12	\$1,045,500	\$4,286	\$1,041,214	\$1,045,500
Research Affairs-SOM (RAM55)	6	\$68,244	\$16,449	\$51,795	\$68,244
Surgery (SUR55)	1	\$62,371	\$12,870	\$49,501	\$62,371

Funded Grants by Department

Biochemistry/Molecular Biology-SOM (BYM55)

Long, Dr. Weiwen, PhD, Morel, Marion F., PhD. Role of RBXL16 in Lung Adenocarcinomas with Activating KRAS Mutations, American Lung Association/Non-Profit, \$100,000, July 1, 2021 – June 30, 2022

Ren, Hongmei, PhD Post Doc, Voss, Andrew Alvin, PhD. The Role of Lipin1 in Myofiber Stability and Integrity, National Institute of Arthritis & Musculoskeletal & Skin Diseases/NIH/DHHS/Federal/NIH, \$381,682, July 22, 2021 – July 21, 2022.

Kadokia, Madhavi, PhD. Enhancing STEM Education Through the iGEM Competition, UES, Inc./Industry, \$105,000, August 20, 2021 – September 30, 2022.

Ren, Hongmei PhD Post Doc, Voss, Andrew Alvin PhD, Rich, Mark Monroe, MD, PhD. Lipin1 Improves Dystrophic Pathology and Muscle Function, Department of the Army/Federal, \$525,000, August 15, 2021 – August 14, 2023.

Kadokia, Madhavi, PhD. Enhancing STEM Education Through the iGEM Competition, UES, Inc./Industry, \$67,266, August 20, 2021 – September 30, 2022.

Kadokia, Madhavi, PhD, Craig, Michael, PhD. Single-cell Dispensing to Accelerate Generation of Clonal or Rare Cell Populations, Augment Existing Sequencing Capabilities, and Facilitate Cutting-edge Single-cell Analyses, Air Force Office of Scientific Research/Federal, \$86,950, March 15, 2022 – March 14, 2023.

Kadokia, Madhavi, PhD. Enhancing STEM Education Through the iGEM Competition, UES, Inc./Industry, \$2,884, August 20, 2021 – September 30, 2022.

Business Office-SOM (BOM55)

Rex, Kimberly Ann, MHA. ODHE Geriatric Medicine Subsidy, Ohio Department of Higher Education/State, \$141,730, July 1, 2021 – June 30, 2023.

Rex, Kimberly Ann, MH A. ODHE Subsidy for Family Practice, Ohio Department of Higher Education/State, \$591,741, July 1, 2021 – June 30, 2022.

Rex, Kimberly Ann, MHA. ODHE Clinical Teaching Subsidy, Ohio Department of Higher Education/State, \$2,860,830, July 1, 2021 – June 30, 2022.

Rex, Kimberly Ann, MHA. ODHE Subsidy for Primary Care, Ohio Department of Higher Education/State, \$242,676, July 1, 2021 – June 30, 2022.

Family Medicine (FPR55)

Hershberger, Paul John, PhD, Leeds, Frederic Stuart, MD, Crawford, Timothy PhD MPH, Jacobson, Michael Duane DO. Wright MAT, Substance Abuse & Mental Health Services Administration/Federal, \$149,984, September 30, 2021 – September 29, 2022.

Hershberger, Paul John, PhD. Health Inequities MES Project, Ohio State University/Educational Institutions, \$606,891, July 1, 2021 – June 30, 2022.

Conway, Kate MD, Flowers, Stacy Renae PsyD, Turkson, Nicole Yamoah MD PhD. Refugee Healthcare, Catholic Social Services of the Miami Valley/Non-Profit, \$72,200, January 1, 2022 – June 30, 2023.

Medical Education – BSOM (ASM55)

Roman, Brenda MD. ODHE Subsidy for AHEC Program, Ohio Department of Higher Education/State, \$244,004, July 1, 2021 – June 30, 2023.

Medicine (MED55)

Krishnamani, Rajan MD. CTRA – AIM POWER, Biofourmis, Inc./Industry, \$44,753, August 12, 2021 – December 31, 2022.

Lamb, James MD, Solomon, Glen MD, Bricker, Dean MD. Cardi-OH – Diabetes and Cardiovascular Health, Case Western Reserve University/Educational Institutions, \$248,089, July 1, 2021 – June 30, 2022.

Lamb, James MD, Solomon, Glen MD. Diabetes Quality Improvement Project (QIP) (Federal), Case Western Reserve University/ Educational Institutions, \$48,285, July 1, 2021 – June 30, 2022.

McCoy, Luke MD. Dayton Children's Hospital Adult Cystic Fibrosis Center, Cystic Fibrosis Foundation/Non-Profit, \$41,110, November 1, 2021 – October 31, 2022.

NueroSci Cell Bio Physiology-SOM (ANM55)

Elbasiouny, Dr. Sherif M, Ph.D., P.E., P.Eng. Identification of Electrophysiological Markers for Early Diagnosis of Amyotrophic Lateral Sclerosis, National Academy of Sciences / Non-profit, \$5,624, April 1, 2021 – February 28, 2023.

Kozak, Dr. Juliusz Ashot, PhD. Sodium Influx Assay for Measurement of TRPM7 Channel Activity in Intact Cells, National Institute of Allergy and Infectious Diseases/NIH/DHHS/Federal/NIH, \$187,500, June 1, 2021 – May 31, 2023.

Rich, Mark Monroe, MD, PhD Voss, Andrew Alvin, PhD. Novel Approaches to Therapy of Muscle Ion Channelopathies, National Institute of Arthritis & Musculoskeletal & Skin Diseases/NIH/DHHS/Federal/NIH, \$521,840, April 1, 2021 – March 31, 2023.

Rich, Mark Monroe, MD, PhD Walker II, Phillip Vance. Development of novel therapy for hypokalemic periodic paralysis, National Institute of Arthritis & Musculoskeletal & Skin Diseases/NIH/DHHS/Federal/NIH, \$62,849, April 1, 2021 – March 31, 2023.

Janson, Christopher G. Differential clearance of the pyroglutamate abeta through arachnoid and meningeal lymphatics in Alzheimer Disease. National Institute on Aging/NIH/DHHS/Federal/NIH, \$376,763, July 1, 2021 – June 30, 2022.

Elbasiouny, Dr. Sherif M, Ph.D., P.E., P.Eng. Motoneuronal Mechanisms Underlying Age-related Muscle Weakness, Ohio University/Educational institutions, \$308,270, June 1, 2021 – March 31, 2022.

Ume, Adaku C. The Role of NFkB in Calcineurin-Induced Renal Damage. American Physiological Society/Professional/Academic Assoc & Soc., \$28,300, September 1, 2021 – August 31, 2022.

Susuki, Keiichiro Claflin, Dr. Dragana Ivkovich, PhD. Disruption of excitable axonal domains by glucose metabolite methylglyoxal. National Institute of Neurological Disorders and Stroke/NIH/DHHS/Federal/NIH, \$330,488, August 1, 2021 – July 31, 2022.

Shelby, Jennae Nicolle Rich, Mark Monroe, MD, PhD Susuki, Keiichiro. Unfolding the Link Between the Endoplasmic Reticulum, AIS Shortening, and Cognitive Impairment in Type 2 Diabetes. National Institute of Neurological Disorders and Stroke/NIH/DHHS/Federal/NIH, \$43,419, August 1, 2021 – July 31, 2022.

Elbasiouny, Dr. Sherif M, Ph.D., P.E., P.Eng. Brain-Computer Interfaces for Assessment and Enhancement of Airman and Teams in Operational Environments (BCI-AEATOE). Ball Aerospace/Industry, \$51,382, June 1, 2020 – September 1, 2022.

Rich, Mark Monroe, MD, PhD Wang, Dr. Qingbo. Spinal Muscular Atrophy. Ohio State University/Educational institutions, \$20,627, July 1, 2021 – June 30, 2022.

Brown, Thomas L., PhD. The maternal-fetal adiponectin differential and fetal fat deposition. University of California, San Diego/Educational institutions, \$9,000, July 1, 2019 – June 30, 2020.

Elbasiouny, Dr. Sherif M, Ph.D., P.E., P.Eng. Mechanisms Underlying Excitability Regulation of Motoneuron Types in ALS Year 6-10. National Institutes of Health/NIH/DHHS/Federal/NIH, \$570,854, February 1, 2022 – January 31, 2023.

Brown, Thomas L., PhD. The maternal-fetal adiponectin differential and fetal fat deposition. University of California, San Diego/Educational institutions, \$9,000, July 1, 2020 – June 30, 2021.

Brown, Thomas L., PhD. The maternal-fetal adiponectin differential and fetal fat deposition. University of California, San Diego/Educational institutions, \$9,000, July 1, 2021 – June 30, 2022.

Wrenshall, Lucile E, MD. Role of Nuclear IL-2Ra in Regulation of Vascular Smooth Muscle Cell Senescence. National Institute on Aging/NIH/DHHS/Federal/NIH, \$67,500, March 1, 2022 – February 28, 2023.

Wrenshall, Lucile E, MD. Role of Nuclear IL-2Ra in Regulation of Vascular Smooth Muscle Cell Senescence. National Institute on Aging/NIH/DHHS/Federal/NIH, \$7,500, March 1, 2022 – February 28, 2023.

Williams, Clintoria PhD. Renoprotective Properties of Zinc Supplementation in Chronic Kidney Disease. American Society of Nephrology Foundation/Non-profit, \$100,000, July 1, 2022 – June 30, 2023.

Elbasiouny, Dr. Sherif M, Ph.D., P.E., P.Eng. Motoneuronal Mechanisms Underlying Age-related Muscle Weakness. Ohio University/Educational institutions, \$299,991, April 1, 2022 – March 31, 2023.

Janson, Christopher G. Differential clearance of the pyroglutamate abeta through arachnoid and meningeal lymphatics in Alzheimer Disease. National Institute on Aging/NIH/DHHS/Federal/NIH, \$376,673, July 1, 2022 – June 30, 2023.

Orthopedic Surgery (OSM55)

Prayson, Michael Joseph, MD Venkatarayappa, Indresh Jerele, Dr. Jennifer L Horne, Dr. Brandon R. CTRA - AQUEOUS-PREP. University of Maryland/Educational institutions, \$47,880, September 30, 2019 – September 29, 2020.

Prayson, Michael Joseph, MD Venkatarayappa, Indresh Jerele, Dr. Jennifer L Horne, Dr. Brandon R. CTRA - AQUEOUS-PREP. University of Maryland/Educational institutions, \$14,333, September 30, 2021 – September 29, 2022.

Pediatrics (PED55)

Sherwin, Catherine Mary Turner, PhD. A Histamine Pharmacodynamic Biomarker to Guide Treatment in Pediatric Asthma. Children's Mercy Kansas City/Multiple Source, \$19,169, June 1, 2021 – May 31, 2022.

Sherwin, Catherine Mary Turner, PhD. Physiological-based Pharmacokinetics Approach to Determine the Extent of Drug Exposure of Antiseizure Medications During Pregnancy and Breastfeeding. University of Minnesota/Educational institutions, \$14,000, August 4, 2021 – May 31, 2022.

Sherwin, Catherine Mary Turner, PhD. Physiological-based Pharmacokinetics Approach to Determine the Extent of Drug Exposure of Antiseizure Medications During Pregnancy and Breastfeeding. University of Minnesota/Educational institutions, \$14,000, June 1, 2022 – May 31, 2023.

Pharmacology & Toxicology-SOM (PCL55)

Kemp, Mike Hutcherson, Rebekah June. Circadian Clock Modulating Drugs in Cancer Prevention and Treatment. Ohio Cancer Research Associates/Non-profit, \$30,000, July 1, 2021 – June 30, 2022.

Travers, Jeffrey Bryant MD PhD. Platelet Activating Factor and Epidermal Cytotoxicity. National Heart, Lung, and Blood Institute/NIH/DHHS/Federal/NIH, \$37,500, December 1, 2020 – November 30, 2021.

Travers, Jeffrey Bryant MD PhD. Laboratory Animal Resources Care. Department of Veterans Affairs/Federal, \$19,200, September 30, 2021 – September 29, 2022.

Sahu, Ravi P, Thyagarajan, Anita. Defining the Novel Mechanistic Insights of the Plateletactivating Factor-receptor Axis in the Therapeutic Potential of Pancreatic Cancer. Pardee (Elsa U.), Foundation/Non-profit, \$105,771, July 1, 2021 – June 30, 2022.

Rapp, Ms. Christine M. Dayton Veterans Affairs Medical Center IPA Agreement – Rapp. Veterans Affairs Medical Center/Federal, \$8,788, October 1, 2021 – November 30, 2021.

Hong, Jessica Seyoun. VA IPA - Jessica Hong. Veterans Affairs Medical Center/Federal, \$5,776, October 19, 2021 – December 31, 2021.

Carpenter, Alex. VA IPA - Alex Carpenter. Veterans Affairs Medical Center/Federal, \$13,825, October 19, 2021 – December 31, 2021.

Williams, Amy R. Veterans Affairs Medical Center IPA Agreement – Williams. Veterans Affairs Medical Center/Federal, \$10,501, October 1, 2021 – November 30, 2021.

Knisely, Christina. Veterans Affairs Medical Center IPA Agreement – Knisely. Veterans Affairs Medical Center/Federal, \$14,593, October 1, 2021 – November 30, 2021.

Cates, Elizabeth E., BS. Dayton Veterans Affairs Medical Center IPA Agreement. Veterans Affairs Medical Center/Federal, \$9,892, October 1, 2021 – November 30, 2021.

Khan, Saman. VA IPA – Khan. Veterans Affairs Medical Center/Federal, \$6,421, October 19, 2021 – December 31, 2021.

Thyagarajan, Anita. Dayton VA Medical Center IPA Agreement - Anita Thyagarajan. Veterans Affairs Medical Center/Federal, \$10,877, October 1, 2021 – November 30, 2021.

Travers, Jeffrey Bryant MD PhD. Platelet Activating Factor and Epidermal Cytotoxicity. National Heart, Lung, and Blood Institute/NIH/DHHS/Federal/NIH, \$337,500, December 1, 2021 – November 30, 2022.

Travers, Jeffrey Bryant MD PhD, Rohan, Craig A, Sherwin, Catherine Mary Turner, PhD Cool, David, PhD. UVB Radiation-generated Microvesicle Particles as Effectors for Photosensitivity. National Institute of Environmental Health Sciences/NIH/DHHS/Federal/NIH, \$375,000, February 1, 2022 – January 31, 2023.

Hong, Jessica Seyoun. VA IPA - Jessica Hong. Veterans Affairs Medical Center/Federal, \$5,776, January 1, 2022 – March 31, 2022.

Hong, Jessica Seyoun. VA IPA - Jessica Hong. Veterans Affairs Medical Center/Federal, \$6,932, January 1, 2022 – March 31, 2022.

Khan, Saman. VA IPA – Khan. Veterans Affairs Medical Center/Federal, \$6,421, January 1, 2022 – March 31, 2022.

Khan, Saman. VA IPA – Khan. Veterans Affairs Medical Center/Federal, \$1,561, January 1, 2022 – March 31, 2022.

Xu, Yong-jie, MD, PhD. DNA Replication Checkpoint in Fission Yeast. National Institute of General Medical Sciences/NIH/DHHS/Federal/NIH, \$390,275, February 1, 2022 – January 31, 2023.

Carpenter, Alex. VA IPA - Alex Carpenter. Veterans Affairs Medical Center/Federal, \$13,825, January 1, 2022 – March 31, 2022.

Carpenter, Alex. VA IPA - Alex Carpenter. Veterans Affairs Medical Center/Federal, \$3,363, January 1, 2022 – March 31, 2022.

Cates, Elizabeth E., BS. Dayton Veterans Affairs Medical Center IPA Agreement. Veterans Affairs Medical Center/Federal, \$20,385, December 1, 2021 – March 31, 2022.

Thyagarajan, Anita. Dayton VA Medical Center IPA Agreement - Anita Thyagarajan. Veterans Affairs Medical Center/Federal, \$10,877, December 1, 2021 – March 31, 2022.

Knisely, Christina. Veterans Affairs Medical Center IPA Agreement – Knisely. Veterans Affairs Medical Center/Federal, \$14,593, December 1, 2021 – March 31, 2022.

Rapp, Ms. Christine M. Dayton Veterans Affairs Medical Center IPA Agreement – Rapp. Veterans Affairs Medical Center/Federal, \$8,788, December 1, 2021 – March 31, 2022.

Rapp, Ms. Christine M. Dayton Veterans Affairs Medical Center IPA Agreement – Rapp. Veterans Affairs Medical Center/Federal, \$8,788, December 1, 2021 – March 31, 2022.

Kemp, Mike, Li, Gengxin. DNA damage response kinase signaling in non-replicating human cells and tissues. National Institute of General Medical Sciences/NIH/DHHS/Federal/NIH, \$268,200, February 1, 2022 – January 31, 2023.

Thyagarajan, Anita. Dayton VA Medical Center IPA Agreement - Anita Thyagarajan. Veterans Affairs Medical Center/Federal, \$10,877, December 1, 2021 – March 31, 2022.

Kemp, Mike, Travers, Jeffrey Bryant. Circadian clock disruption: A risk factor for environmental carcinogenesis. North Carolina State University/Educational institutions, \$44,454, November 1, 2021 – October 31, 2022.

Rapp, Ms. Christine M. Dayton Veterans Affairs Medical Center IPA Agreement – Rapp. Veterans Affairs Medical Center/Federal, \$8,788, December 1, 2021 – March 31, 2022.

Rapp, Ms. Christine M. Dayton Veterans Affairs Medical Center IPA Agreement – Rapp. Veterans Affairs Medical Center/Federal, \$26,364, December 1, 2021 – March 31, 2022.

Hong, Jessica Seyoun. VA IPA - Jessica Hong. Veterans Affairs Medical Center/Federal, \$13,864, April 1, 2022 – September 30, 2022.

Khan, Saman. VA IPA – Khan. Veterans Affairs Medical Center/Federal, \$15,964, April 1, 2022 – September 30, 2023.

Cates, Elizabeth E., BS. Dayton Veterans Affairs Medical Center IPA Agreement. Veterans Affairs Medical Center/Federal, \$10,678, April 1, 2022 – September 30, 2022.

Knisely, Christina. Veterans Affairs Medical Center IPA Agreement – Knisely. Veterans Affairs Medical Center/Federal, \$14,593, December 1, 2021 – March 31, 2022.

Carpenter, Alex. VA IPA - Alex Carpenter. Veterans Affairs Medical Center/Federal, \$34,376, April 1, 2022 – March 31, 2023.

Cvammen, William. Application for Travel Award to Annual Meeting of the Environmental Mutagenesis and Genomics Society. Environmental Mutagenesis and Genomics Society/Industry, \$875, August 28, 2022 – September 7, 2022.

Carpenter, Alex. DNA Containing Bulky DNA Adducts is Released from Keratinocytes After Genotoxin Exposure. Environmental Mutagenesis and Genomics Society/Industry, \$875, August 28, 2022 – September 7, 2022.

Thyagarajan, Anita. Dayton VA Medical Center IPA Agreement - Anita Thyagarajan. Veterans Affairs Medical Center/Federal, \$32,630, April 1, 2022 – March 31, 2023.

Henkels, Karen M. VA IPA – Henkels. Veterans Affairs Medical Center/Federal, \$11,619, June 23, 2022 – September 30, 2022.

Ketter, Alycia Michelle. VA IPA – Ketter. Veterans Affairs Medical Center/Federal, \$8,500, June 23, 2022 – September 30, 2022.

Population and Public Health Sciences (CMH55)

Ford, Jo Ann, MRC. Day-TREE. Substance Abuse & Mental Health Services Administration/Federal, \$539,807, September 30, 2021 – September 29, 2022.

Wilson, Josephine F., DDS, Trim, Jeremy P. Embree, Mr. Jared Arthur, MA Kapp, Valerie A. Virtual Office Space (VOS): Improving Employment Opportunities for Individuals. Administration for Community Living/DHHS/Federal, \$199,932, September 30, 2021 – September 29, 2022.

Nahas, Ramzi W., PhD. Support of the COVID-19 Vaccine Communication and Education. Karna, LLC./Industry, \$16,000, May 17, 2021 – December 22, 2021.

Nahas, Ramzi W., PhD. Support of the COVID-19 Vaccine Communication and Education. Karna, LLC./Industry, \$10,000, May 17, 2021 – December 22, 2021.

Kinzeler, Dr. Nicole, PhD, Kissell, Kevin Michael. Evaluation Services for Montgomery County Juvenile Court. Montgomery County Juvenile Court/Other government, \$28,350, July 21, 2021 – June 30, 2022.

Kinzeler, Dr. Nicole, PhD Crawford, Dr. Timothy Nathaniel, PhD, MPH. SARDI Evaluation of the Ohio Disaster Relief Project. Montgomery County ADAMH Services Board/Other government, \$279,218, September 30, 2021 – September 29, 2022.

Ford, Jo Ann, MRC. The Offender Reentry Program. Substance Abuse & Mental Health Services Administration/Federal, \$424,975, January 15, 2022 – January 14, 2023.

Kinzeler, Dr. Nicole, PhD Ford, Jo Ann, MRC Crawford, Dr. Timothy Nathaniel, PhD, MPH. GPRA Evaluation, Training, Data Collection and Reporting For Ohio's State Opioid Response Grant 2.0. Ohio Department of Mental Health and Addiction Services/State, \$1,022,049, September 30, 2021 – September 29, 2022.

Kinzeler, Dr. Nicole, PhD Huber, Jon-Michael. Program Evaluation for the Pickaway Addiction Action Coalition's (PAAC) Drug-Free Communities (DFC) Grant. Pickaway Addiction Action Coalition/Other government, \$12,497, October 1, 2021 – September 30, 2022.

Kinzeler, Dr. Nicole, PhD Huber, Jon-Michael McGlone, Connie. Evaluation of the Zero Suicide Project for Montgomery County. Montgomery County ADAMH Services Board/Other government, \$80,000, August 31, 2021 – August 30, 2022.

Silverstein, Sydney Meredith. Community Overdose Action Team & Grants Management Plan - Casey Smith Maternity Leave. Public Health Dayton and Montgomery County/Other government, \$20,000, March 1, 2022 – October 31, 2022.

Silverstein, Sydney Meredith. Contradictions of Care: Treatment Ecosystems and Health-Tech in an Overdose Epicenter. Wenner-Gren Foundation/Non-profit, \$15,539, June 1, 2022 – May 31, 2023.

Nahas, Ramzi W., PhD. Support of the COVID-19 Vaccine Communication and Education. Karna, LLC./Industry, \$6,000, May 6, 2021 – June 22, 2022.

Nahas, Ramzi W., PhD. Support of the COVID-19 Vaccine Communication and Education. Karna, LLC./Industry, \$2,000, May 6, 2021 – June 22, 2022.

Silverstein, Sydney Meredith. Linkage to Hope Project. Public Health Dayton and Montgomery County/Other government, \$37,500, October 1, 2021 – September 30, 2022.

Silverstein, Sydney Meredith. Linkage to Hope Project. Public Health Dayton and Montgomery County/Other government, \$37,500, October 1, 2022 – September 30, 2023.

Silverstein, Sydney Meredith. Linkage to Hope Project. Public Health Dayton and Montgomery County/Other government, \$37,500, October 1, 2023 – September 30, 2024.

Silverstein, Sydney Meredith. Community Overdose Action Team & Grants Management Plan - Casey Smith Maternity Leave. Public Health Dayton and Montgomery County/Other government, \$6,000, March 1, 2022 – October 31, 2022.

Silverstein, Sydney Meredith. Exploring Stigma in the Overdose-Justice Nexus: A Mixed Methods Study of Good Samaritan Laws in Two Overdose Epicenters. Ohio State University/Educational institutions, \$8,709, March 1, 2022 – July 31, 2022.

Psychiatry (PYC55)

Gainer, Danielle Michelle. Rural General Psychiatry. Ohio Department of Mental Health and Addiction Services/State, \$10,000, July 1, 2021 – June 30, 2022.

Gentile, Julie P, MD Cowan, Allison. Ohio's Coordinating Center of Excellence in Mental Illness/Intellectual Disability. Ohio Department of Mental Health and Addiction Services/State, \$85,500, July 1, 2021 – June 30, 2022.

Gentile, Julie P, MD Cowan, Allison Harper, Kari Sharyce Gainer, Danielle Michelle. DODD Resident Training Grant. Ohio Department of Developmental Disabilities/State, \$90,000, July 1, 2021 – June 30, 2022.

Gentile, Julie P, MD Cowan, Allison Harper, Kari Sharyce Gainer, Danielle Michelle. DODD Resident Training Grant. Ohio Department of Developmental Disabilities/State, \$90,000, July 1, 2022 – June 30, 2023.

Mast, Ryan Christopher. Child and Adolescent Psychiatry. Ohio Department of Mental Health and Addiction Services/State, \$35,000, July 1, 2021 – June 30, 2022.

Merrill, Brian. Community General Psychiatry. Ohio Department of Mental Health and Addiction Services/State, \$30,000, July 1, 2021 – June 30, 2022.

Merrill, Brian. Adult Psychiatry. Ohio Department of Mental Health and Addiction Services/State, \$15,000, July 1, 2021 – June 30, 2022.

Gentile, Julie P, MD. Professorship of Intellectual Disability/Mental Illness Residency Training. Montgomery County ADAMH Services Board/Other government, \$30,000, July 1, 2021 – June 30, 2022.

Mast, Ryan Christopher. Child Psychiatry Placements. Montgomery County ADAMH Services Board/Other, \$150,000, July 1, 2021 – June 30, 2022.

Gentile, Julie P, MD, Mast, Ryan Christopher Cowan, Allison Harper, Kari Sharyce Harper, Bethany L. Ohio's Telepsychiatry Project in Intellectual Disability. Ohio Department of Developmental Disabilities/State, \$250,000, July 1, 2021 – June 30, 2022.

Gentile, Julie P, MD Cowan, Allison Harper, Kari Sharyce Gainer, Danielle Michelle. Residency Traineeship Program for Psychiatric Residents in Dual Diagnosis - MI/DD. Ohio Department of Developmental Disabilities/State, \$60,000, October 1, 2020 – September 30, 2021.

Gentile, Julie P, MD. The OMHAS/WSU BSOM Intellectual Disability/Mental Illness Training Series. Ohio Department of Mental Health and Addiction Services/State, \$200,000, April 1, 2022 – March 31, 2023.

Research Affairs (RAM55)

Dudley, Emily Suzanne, DVM. Biopsy Study. Devicor Medical Products, Inc./Industry, \$11,063, July 1, 2022 – June 30, 2023.

Dudley, Emily Suzanne, DVM. Biopsy Study. Devicor Medical Products, Inc./Industry, \$7,574, July 1, 2019 – June 30, 2022.

Daniels, Jennifer Lynn, Fishbein, Dr. Gary. CTRA – ELEGANCE. Boston Scientific Corporation/Industry, \$39,107, December 6, 2021 – December 31, 2026.

Dudley, Emily Suzanne, DVM. Demonstration and Practice of Core Competencies within the Sinclair Vet Tech Cohort. Sinclair Community College/Educational institutions, \$3,500, July 1, 2021 – June 30, 2022.

Dudley, Emily Suzanne, DVM. Demonstration and Practice of Core Competencies within the Sinclair Vet Tech Cohort. Sinclair Community College/Educational institutions, \$3,500, July 1, 2022 – June 30, 2023.

Dudley, Emily Suzanne, DVM. Demonstration and Practice of Core Competencies within the Sinclair Vet Tech Cohort. Sinclair Community College/Educational institutions, \$3,500, July 1, 2023 – June 30, 2024.

Surgery (SUR55)

Woods, Randy J., MD. CTRA - TU100. Syneos Health, LLC/Industry, \$62,371, May 19, 2021 – September 30, 2023.

Publications are included in the annual reports from specific departments.

3 Hosted events

Boonshoft School of Medicine First Annual Research Symposium.

April 6, 2022 | 4:30 – 7:00 p.m.

- 57 posters were presented by students and faculty.
- Featured Faculty Research Talks
 - **Timothy Crawford, Ph.D., M.P.H.**
 - Exploring the Impact of Discrimination and HIV-related Stigma on Engagement in HIV Care: Findings from a Pilot Study among Older African Americans Living with HIV
 - **Jason Miner, M.D.**
 - Defining Mild Traumatic Brain Injury: Making the Leap from Research Definition to Clinical Practice
 - **Sydney Silverstein, Ph.D. & Danielle Gainer, M.D.**
 - Rethinking Trauma-Informed Care: How Qualitative Research Can Inform Clinical Practice
 - **Kwang-Jin Cho, Ph.D.**
 - K-Ras Plasma Membrane Interactions: A Tractable Therapeutic Target
- Featured Student Research Talks
 - **Christopher Dupont, B.A., MS3**
 - Understanding Muscle Weakness in Hyperkalemic Periodic Paralysis
 - **Scout Bowman-Gibson, B.S., MS2/G1**
 - Isolation and Application of Extracellular Vesicles
 - **Tonia Rhone, M.S., MS3**
 - Patient-Centered Focus Groups as a Catalyst for Anti-Racism Research and Quality Improvement in an Urban Academic OB/GYN Clinic