THE 37TH ANNUAL



GRADUATE RESEARCH DAY

MARCH 31 - APRIL 1, 2022



Sponsored by



Schedule of Events

Thursday, March 31, 2022

1:00 PM - 5:00 PM Postdoctoral Fellow Oral Presentations

Health Sciences Building - EC 1210

Friday, April 1, 2022

10:30 AM - 12:30 PM Fisher Scientific/Phi Kappa Phi Poster Session

Student Wellness Center

1:00 PM - 2:30 PM Keynote Address & Lunch

J. Harold Harrison, M.D. Education Commons – GB 1210B

Opening Remarks

Jennifer Sullivan, Ph.D. Dean, The Graduate School

Introduction of the Speaker

Rudolf Lucas, Ph.D.

Associate Professor, Medical College of Georgia

Keynote Address - "How Did Our Immune System Evolve?"

Max Dale Cooper, MD Georgia Research Alliance Eminent Scholar Professor of Pathology & Laboratory Medicine Emory University School of Medicine





You're Invited!

GRADUATE RESEARCH DAY
AWARDS LUNCHEON

TUESDAY, APRIL 19, 2022 12:00 PM AMPHITHEATER | SUMMERVILLE CAMPUS

RSVP to Christian Middleton at chrmiddleton@augusta.edu no later than April 8, 2022

Max Dale Cooper, MD

Graduate Research Day 2022 Keynote Speaker, Max D. Cooper, M.D., is a Georgia Research Alliance Eminent Scholar, Professor of Pathology and Laboratory Medicine and member of the Vaccine Center at the Emory University School of Medicine. Cooper obtained his medical degree and pediatric residency training at Tulane University Medical School. While at the University of Minnesota from 1963-1967 he worked with Robert Good to establish the dual nature of the immune system. With UAB graduate student Paul Kincade, he discovered antibody class switching by B cells. Dale Bockman and Cooper described the lymphoid follicle-associated epithelial "M" cells in the intestine and their transcytotic function. While on sabbatical at University College London in 1974, he worked with Martin Raff and John Owen to define the fetal liver and bone marrow origin of B cells and pre-B cells. His laboratory currently studies the evolution of adaptive immunity and explores the use of lamprey monoclonal antibodies for diagnosis and therapy of infectious diseases and lymphoid malignancies. Cooper is a former president of the American Association of Immunologists, the Clinical Immunology Society and the Kunkel Society. He is a member of the U.S. National Academy of Sciences, National Academy of Medicine, American Academy of Arts and Sciences, a foreign member of the French Academy of Sciences and the Royal Society of London. Honors include the Society for Experimental Biology and Medicine Founder's Award (1966), Sandoz Prize in Immunology (1990), American College of Physicians Science Award (1994), American Association of Immunologists (AAI) Lifetime Achievement Award (2000), AAI-Dana Foundation Award in Human Immunology Research (2006), Avery-Landsteiner Prize (2008), Robert Koch Prize (2010), AAI Excellence in Mentoring Award (2012), Japan Prize (2018), Albert Lasker Basic Medical Research Award (2019), and National Academy of Inventors Fellow (2021).

Awards & Sponsors

Fisher Scientific/Phi Kappa Phi Award for Excellence in Biomedical Research

Ji Cheng Memorial Award for Excellence in Research by a Biomedical Science student in the early years of training

Lowell M. Greenbaum Award for Research in Pharmacology

R. August Roesel Memorial Award for Research Excellence in Biochemistry

Virendra B. Mahesh Award for Research Excellence in Endocrinology

Georgia Cancer Center Award for Excellence in Graduate Student Research in Cancer

James and Jean Culver Vision Discovery Institute Award for Research Excellence in Vision

Excellence in Research Awards

Allied Health Sciences

Biomolecular Science

Biostatistics

Cellular Biology & Anatomy

Clinical Laboratory Sciences

Education

Genomic Medicine

Medical Mustration

Neuroscience

Nursing

Oral Biology

Physiology

Public Health

The Graduate School (6)

UGA Clinical & Experimental Therapeutics

Medical Illustration Vascular Biology

Molecular Medicine

Postdoctoral Associate Awards
Excellence in Research – Poster Presentation & Oral Presentation

Graduate Research Day Committee

Bill Andrews, MA Baban Babak, Ph.D. Wendy Bollag, Ph.D. Patricia Cameron, Ph.D. Rudolf Lucas, Ph.D. Jennifer Sullivan, Ph.D. Sabina Widner, Ph.D. Julie Zadinsky, Ph.D.

JUDGES

Postdoctoral Fellow Oral Presentations

Wendy Bollag, Ph.D. Ahmed Chadli, Ph.D. Frank Deak, Ph.D. Nevin Lambert, Ph.D.

Meghan McGee-Lawrence, Ph.D. Shruti Sharma, Ph.D. Alexander Verin, Ph.D.

Poster Presentations

Justine Abais-Battad, Ph.D. Amy Abdulovic-Cui, Ph.D. Ahmed Aleroud, Ph.D. Ali Arbab, MD, Ph.D. Clement Aubert, Ph.D. Andrew Balas, MD, Ph.D. Amanda Behr, MA Eric Belin de Chantemele, Ph.D. Lori Bolgla, Ph.D. Wendy Bollag, Ph.D. Darren Browning, Ph.D. James Bryan, DHS Patricia Cameron, Ph.D. Jian-Kang Chen, Ph.D. Jie Chen, Ph.D. Steven Coughlin, Ph.D. Emily Crider, MAcc Gabor Csanyi, Ph.D. Tiana Curry-McCoy, Ph.D. Waaqo Daddacha, Ph.D.

John Henry Dasinger, Ph.D.

Jennifer Davis, MLIS

Gianluca De Leo, Ph.D. Ahmed El-Marakby, Ph.D. Jessica Faulkner, Ph.D. David Fulton, Ph.D. Santu Ghosh, Ph.D. Mark Hamrick, Ph.D. Vahe Heboyan, Ph.D. John Johnson, Ph.D. Keri Jones, MSMI Seungwoo Kang, Ph.D. Hasan Korkaya, DVM, Ph.D. Dariusz Kowalski, Ph.D. Kenneth Kwon, Ph.D. Hedong Li, Ph.D. Kebin Liu, Ph.D. Pamela Martin, Ph.D. David Mattson, Ph.D. Lynnette McCluskey, Ph.D. Meghan McGee-Lawrence, Ph.D. Regina Messer, Ph.D. Rivaz Mohamed, Ph.D.

Tran Nguyen, DPH Michael Nowatowski, Ph.D. Tadd Patton, Ph.D. Folami Powell, Ph.D. Sharad Purohit, Ph.D. Brett Rice, MHS Sharanjot Saini, Ph.D. Yoon Ho Seol, Ph.D. Somanath Shenoy, Ph.D. Huidong Shi, Ph.D. Jeane Silva, Ph.D. Lynsey Steinberg, MSMI Sangeetha Sukumari-Ramesh, Ph.D. Jennifer Sullivan, Ph.D. Maiko Suzuki, DDS, Ph.D. Richard Topolski, Ph.D. Juan Walker, Ph.D. Guangyu Wu, Ph.D. Lufei Young, Ph.D. Julie Zadinsky, Ph.D. Ming Zhang, Ph.D.

Masters

Board #	
1	Central Line Care for Kids Caeley Blechschmid, Medical Illustration
2	Patient Education Brochure: Managing Your Sleep Apnea with At-Home Testing Peter Naktin, Medical Illustration
3	Designing a Digital Rectal Exam Patient Education Brochure Ronald Pettit, Medical Illustration
4	Patient Education Brochure, Vascular Access for Hemodialysis Julia Smithing, Medical Illustration
5	Explaining Corneal Wound Healing and the Role of Inflammation Using 3D Animation Sarah H. Sutton, Medical Illustration
6	Twist1 Evokes Matrix Metalloproteinase 9 and Collagen IV Secretion in Activated Pancreatic Stellate Cells Emma Geister, Biomolecular Science
7	The Inhibition of NOX1/PDI Recovers GADD34, which Facilitates Bim-Induced Cell Death Via Accumulation of Unfolded Proteins in Pancreatic Cancer Henry Knox , <i>Biomolecular Science</i>
8	Cancer Cells Reduce Macrophage CXCL10/CXCR3 Axis Expression Through Canonical NF-кВ Signaling Ahmet K. Korkaya, Biomolecular Science
9	Development of Potential Drug Candidates Against SARS-CoV-2 Using Molecular Hybridization Approach Kailey Wyman, Biomolecular Science
10	Patellofemoral Pain and Osteoarthritis: A Pilot Study for the Identification of "At-Risk" Females Bryaunna Barrera & Jasmine Crockett Clinical Laboratory Science

Board

11	Age Relatedness to the Persistent Loss of Smell Due to COVID-19 Brittney Craig, Clinical Laboratory Science
12	Evaluation of Complete Blood Count Delta Checks on Auto-Verification Performance Tanner Davis , Clinical Laboratory Science
13	Validity of Hemoglobin Delta Check in a Core Hematology Laboratory- The Underlying Cause for Failed Delta Checks Due to a Change in Hemoglobin was Investigated Shannon Dutterer, Clinical Laboratory Science
14	COVID-19 Variants: Detection and Management Benjamin Ewing, Clinical Laboratory Science
15	The Effects of Major Depressive Disorder on Routine Laboratory Values Amanda Fields , Clinical Laboratory Science
16	A Prevalence Study of Community-Acquired Clostridiodes Difficile Infection at a Level One Trauma Hospital Lauren Giron & Rachel Woodard, Clinical Laboratory Science
17	Investigating Biovariability of CBC Parameters Sam Parrish, Clinical Laboratory Science
18	Lessons from COVID-19 Prevention: Accelerating Vaccine Development Charmi Patel, Clinical Laboratory Science
19	Accelerating Development of Companion Diagnostics for Anti-Cancer Drug Therapy Nauka Patel, Clinical Laboratory Science
20	Polycystic Ovarian Syndrome and Caffeine Intake Survey Princess Stephens, Clinical Laboratory Science
21	County-Level Socioeconomic Factors Associated with Elevated Blood Lead Levels in Children: A Study of Georgia Counties Joseph Aguilar, Public Health

22	The Impact of Primary Care Visits in Regards to Emergency Department Utilization
	David Clements, Public Health
23	Post-Traumatic Stress Disorder: A Sexually Dimorphic Mental Health Disorder Rachael Dixon-Melvin, Public Health
24	The Impact of Medical and Public Health Schools on the Health of Neighboring Communities Daniel Horuzsko , Public Health
25	Influence of the COVID-19 Pandemic on Rates of Seasonal Influenza Vaccination Among People Living with HIV Amber Ladak, <i>Public Health</i>
26	Evaluating the Effectiveness of Mental Health First Aid Training and its Impact at Augusta University Chelsea Paulding, Public Health
27	Serum Levels of Clinical Markers Predicts Recovery from Severe COVID-19 Infection Katherine P. Richardson, Public Health
28	Review of Questionnaire Instruments for the Assessment of Audio-Visual Telemedicine Raphael Agbali, Public Health
	Doctoral
29	Assessing Obesity Related Risk Factors in Burke, Columbia, Richmond (BCR) Adult Population Giti Bayhaghi, Applied Health Sciences
30	Verification and Validation of a Biomarker that Responds to Acute Kidney Injury Kendra Bufkin, Applied Health Sciences
31	Characteristics of Nobel Prize-Winning Collaborations Wendy J. Burnett, Applied Health Sciences

Board #	
32	Contrasting Lead Migration During Spinal Stimulation Trial Period Against Therapeutic Response: Evaluating Securement Methods During the Trial Period Stephanie Jones, Applied Health Sciences
33	The Influence of Social Determinants of Health on Cancer Related Lymphedema Outcomes and Treatment Adherence Hari Kashyap, Applied Health Sciences
34	TIM3, a Novel Potential Regulator of Inflammation in Retina Malita Jones, Biochemistry and Cancer Biology
35	Single-Cell RNA-Sequencing Analysis of Transcriptional Regulatory Networks and Metabolic Pathways in Genetically Modified Tumor-Specific CD4+ T Cells Mercy Kehinde-Ige, Biochemistry and Cancer Biology
36	Identifying LIM Homeobox 1 (LHX1) Gene Variant as a Possible Candidate for Mayer-Rokitansky-Küster-Hauser Syndrome Dina O. Kira , <i>Biochemistry and Cancer Biology</i>
37	Restoring FAS Expression Via Lipid-Encapsulated FAS DNA Nanoparticle Delivery is Sufficient to Suppress Colon Tumor Growth in Vivo Alyssa Merting, Biochemistry and Cancer Biology
38	Interplay Between Cellular dNTP Pool and DNA Double-Strand Break Repair Dominique Monroe , <i>Biochemistry and Cancer Biology</i>
39	Targeting CD206 M2 Macrophage by Engineered Exosomes is Not Causing Immunological Imbalance Mahrima Parvin, Biochemistry and Cancer Biology
40	RPL26 is the UFMylation Target Responsible for Intestinal Secretory Cell Maintenance Michaela Quintero, Biochemistry and Cancer Biology
41	Overcoming Treatment Resistance in Metastatic Bladder Cancer with a Novel Combination of Autophagy Inducers and Antiproliferative Drugs Juliette R. Seremak, Biochemistry and Cancer Biology
42	HYAL4-V1: A Molecular Marker and Driver of Advanced Bladder Cancer Anuj K. Sharma, Biochemistry and Cancer Biology

Board #	
43	Understanding the Role of Hypoxic Cancer Cells dNTP Pool on DNA Damage Response and Resistance to Therapy Edidiong Usoro , <i>Biochemistry and Cancer Biology</i>
44	Generalized Multivariate Bernoulli Distributions: Identification and Inference for SNP and SNP-SNP Interaction Bich Na Choi, Biostatistics
45	Impact of Affordable Care Act on Prenatal Care Outcomes Hailey Treadaway, Biostatistics
46	High-Dimensional Mean Vector Test for One-Sided Hypothesis Rongrong Wang, Biostatistics
47	Identifying the Target Genes of PPIP5K2 in Relation to Keratoconus Theresa Akoto, Cellular Biology and Anatomy
48	Bicaudal-D Cargoes Differentially Regulate the Association of the Adaptor with Dynein Frederick Baker, Cellular Biology and Anatomy
49	Mineralocorticoid Receptor Inhibition Improves Muscle Strength and Physical Activity in Aged Glucocorticoid Receptor Deficient Female Mice Husam Bensreti , <i>Cellular Biology and Anatomy</i>
50	Conditional Deletion of AhR in Bone is Beneficial for the Skeleton Jennifer Dorn, Cellular Biology and Anatomy
51	IL-1β Deficiency Attenuates Muscle Disuse Atrophy and Suppresses Senescence Markers in Exosomes From Fibro-Adipogenic Progenitor Cells Emily Parker , <i>Cellular Biology and Anatomy</i>
52	Prkd1 is Critical for Repair of Plasma Membrane Disruptions (PMD) in Osteocytes Anik Tuladhar, Cellular Biology and Anatomy
53	Effects of Estradiol on Human Trabecular Meshwork Cells Stressed With TGFβ2 and Mechanical Stretch Hannah Youngblood, Cellular Biology and Anatomy

Board #	
54	Spermine Oxidase Inhibition Protects Against Neuroinflammation and Oxidative Damage in Retinal Excitotoxcity Model Moaddey Alfarhan, Clinical and Experimental Therapeutics
55	Cldn17 Loss Exhibit Systemic Inflammation in Mice Varun Parvathagiri, Clinical and Experimental Therapeutics
56	Distinct Mechanisms of Human Retinal Endothelial Barrier Modulation by Mediators of Diabetes and Uveitis Madhuri Rudraraju, Clinical and Experimental Therapeutics
57	Evading Transfer Learning-Based Intrusion Detection Systems Using Multi-Sources Poisoning Attacks Nour Alhussien, Computer and Cyber Sciences
58	Semantic-Preserving Optimization Algorithm for Automatic Program Parallelization Neea Rusch, Computer and Cyber Sciences
59	Leadership Processes During the COVID-19 Pandemic: Implications for Leadership Preparation and Training Adrianne Bogans, Michell Glover & Joseph Workman, Educational Innovation
60	Succeeding in Introductory STEM Courses at Community Colleges: STEM Instructors' Perceptions of Essential Skills and Barriers to Success Daniela Payne, Ashlei Perkins and William Smith, Educational Innovation
61	COGS: A Gene Signature to Differentiate Chromophobe Renal Cancer and Oncocytoma Khaled Bin Satter, Genomic Medicine
62	Blunted Rest-Activity Circadian Rhythm is Associated With Increased Rate of Biological Aging: An Analysis of NHANES 2011-2014 Yanyan Xu , <i>Genomic Medicine</i>
63	The Role of Complement-Mediated Signaling During Antigen Presentation Caryn Bird, Molecular Medicine

Board #	
64	TCR-T Cells Engineered to Overexpress c-Jun Have Better Functionality With Improved Tumor Infiltration and Persistence for Treatment of Hepatocellular Carcinoma Mohamed S. Hussein, Molecular Medicine
65	In Vivo Imaging Analysis of Neuronal Reprogramming in the Mouse Cortex Kristopher Mayes , <i>Neuroscience</i>
66	Modulating NeuroD1 Expression Levels in Astrocytes by Using MicroRNA124b to Provide Diverse Neuronal Subtypes After Reprogramming Natalie Mseis, Neuroscience
67	Methodology and Challenges of an Ethnographic Study Describing Stroke Survivors' Beliefs and Behaviors Returning Home During the COVID-19 Pandemic Amanda Howard, Nursing
68	Neonatal Palliative Care Education for New Nurses in a Level-IV Surgical Neonatal Intensive Care Unit Steven Waldrop, Nursing
69	EPS8 Regulates SOX2, Contributing to HNSCC Stemness Harshit Singhania, Oral Biology & Maxillofacial Pathology
70	Genetic Depletion of 18-kDa Translocator Protein (TSPO) Augments Acute Brain Damage After Intracerebral Hemorrhage in Mice Frederick Bonsack , <i>Pharmacology</i>
71	Neuroinflammation is a Susceptibility Factor in Developing a PTSD-like Phenotype Khadijah Shanazz (Alexander), Pharmacology
72	Is Histone Deacetylase 3 a Key Regulator of Intracerebral Hemorrhage-Induced Neuroinflammation? Noah Watson, Pharmacology
73	Endothelial Cell-Selective Adhesion Molecule Deficiency Leads to the Development of Vascular Endothelial and Left Ventricle Diastolic Dysfunction Vadym Buncha , <i>Physiology</i>

Board #	
74	CD14 Deletion Amplifies Dahl Salt-Sensitive Hypertension and Renal Damage Through a NOX2-Dependent Mechanism Emily Burns , <i>Physiology</i>
75	The Role of CD44v6 in Vascular Rarefaction and Left Ventricular Diastolic Dysfunction in HFpEF Katie Anne Fopiano, Physiology
76	Eplerenone Increases Pup Survival in Leptin-Infused Pregnant Mice Without Increasing Urinary Excretion Elisabeth Mellott, Physiology
77	Histone Deacetylases Regulate the Glycerol Transporter, Aquaporin-3, in Human Corneal Epithelial Cells Samuel Melnyk, Physiology
78	Endothelial Cell Mineralocorticoid Receptor (ECMR) Deletion Improves Fetal Growth and Vascular Function in the RUPP Mouse Model of Preeclampsia Desmond Moronge , <i>Physiology</i>
79	T cells Contribute to High Fat Diet-Induced Increases in Adiposity in Female and Male Dahl Rats Lindsey Ramirez , <i>Physiology</i>
80	Phospholipase D2 Loss Impairs Low Salt-Induced Increases in Steroidogenic Gene Expression with No Effect on Serum Aldosterone Levels Shinjini C. Spaulding , <i>Physiology</i>
81	Reduced Microvascular Expression of ADAM17 Contributes to Cognitive Impairment in Alzheimer's Disease Model, APP/PS1 Mice Yanna Tian, Physiology
82	Corn Bedding Mediates Protection from the Dahl Salt-Sensitive Hypertensive and Renal Damage Phenotype Samuel D. Walton, Physiology
83	Copper Transporter ATP7A Promotes Myogenesis and Skeletal Muscle Regeneration in Response to Injury Kareem Abdelsaid, Vascular Biology

Board #	
84	Stimulation of Macropinocytosis by SARS-CoV-2 Spike Proteins WonMo Ahn , <i>Vascular Biology</i>
85	Hexosamine Biosynthesis Pathway and its Therapeutic Potential in Patients with Peripheral Arterial Disease Suhib Alhusban , Vascular Biology
86	Ovariectomy Does Not Further Elevate Blood Pressure in Obese Female Mice but Preserves the Contribution of Leptin to Hypertension Candee T. Barris , <i>Vascular Biology</i>
87	PBK Drives Pulmonary Artery Smooth Muscle Proliferation and Vascular Remodeling in Pulmonary Arterial Hypertension Zsuzsanna Bordan, Vascular Biology
88	Role of Histone Deacetylase 9 in the Development of Adipose Tissue Senescence and Mitochondrial Dysfunction in Aging Brandee Goo , Vascular Biology
89	GAL3 Excretion in SMC Survival and Proliferation in PAH Stephen Haigh, Vascular Biology
90	Identification of Human-Specific Novel Long Non-Coding RNA in Neointima Formation David S. Kim, Vascular Biology
91	HIV-Associated Hypertension is Immune Dependent in Male Mice Taylor C. Kress , <i>Vascular Biology</i>
92	Galectin-3 Regulates Microvascular NADPH Oxidase I-Derived Oxidative Stress in Obesity Caleb Padgett, Vascular Biology
93	An Adeno Associated Model of Murine Pre-Diabetic Obesity Hunter Sellers , Vascular Biology
94	Deletion of Myostatin Resolves Myosteatosis and Improves Angiogenesis in Obese Mice Andrew Speese, Vascular Biology

Postdoctoral Fellows – Poster

Board #	
95	A Novel Humanized Mouse Model for the Assessment of Human Allogeneic Responses in Solid Organ Transplantation Ashwin Ajith , <i>Georgia Cancer Center</i>
96	Understanding the Pro- and Anti-Tumorigenic Microenvironments in Syngeneic Mice Fulya Alkan, Georgia Cancer Center
97	Perfluorooctanoic Acid Activates Autophagy and ROS-Mediated MAPK Signaling Natsumi Fujiwara, Department of Oral Biology& Diagnostic Sciences
98	The Antitumor Activity and Immumodulatory Effect of a Novel Phosphodiesterase 10 Inhibitor Md Yeashin Gazi, Georgia Cancer Center
99	Our Data Suggest that Carmn is Indispensable for Maintaining Gastrointestinal Cont Smooth Muscle-Specific IncRNA Carmn Plays a Potential Role in Aortic Aneurysm Xiangqin He, Department of Pharmacology and Toxicology
100	A Novel Breast Cancer Therapeutic Strategy Through Hsp90 Inhibition and Activation of the Immune System. Vamsi Krishna Kommalapati, Georgia Cancer Center
101	ATIC-Associated de Novo Purine Biosynthesis is Critically Involved in Proliferative Arterial Disease Qian Ma, Vascular Biology Center
102	Hybrid Scheduling in Distributed Transactional Memory Pavan Poudel , Computer and Cyber Sciences
103	DPPFit: Developing and Testing a Technology-Based Translation of the Diabetes Prevention Program to Address Prediabetes in a Primary Care Setting Jessica Lynn Stewart, Population Health Sciences
104	Adenosine Receptor 2A Promotes Subretinal Fibrosis Formation Qiuhua Yang , Vascular Biology Center

Postdoctoral Fellows - Oral

Endothelial Cu Transporter ATP7A Deficiency Promotes Endothelial-to-Mesenchymal Transition via Metabolic Reprogramming: Role in Atherosclerosis **Dipankar Ash**, Vascular Biology Center

Impairment in Endothelial Bioenergetics Contributes to Diabetes-Induced Vascular Dysfunction **Reem Atawia**, *Vascular Biology Center*

NOX2-Derived Reactive Oxygen Species Contribute to Impaired Renal Function and Increased Maternal Mortality Observed in Dahl SS Rat After Multiple Pregnancies

John Henry Dasinger, Department of Physiology

Smooth Muscle Cell-Specific IncRNA CARMN is Regulated by SRF/MYOCD Complex **Kunzhe Dong**, *Department of Pharmacology and Toxicology*

Bmal1 Regulates the bHLH Transcription Factor Tal1 and VE-Cadherin to Restrict the Endothelial Barrier

Qimei Han, Department of Pharmacology and Toxicology

In Vivo Vasculo-Neuronal Coupling in a Mouse Model of High Blood Pressure Variability **Perenkita Mendiola**, *Department of Physiology*

Protein Disulfide Isomerase A1 Functions as a Novel Redox Sensor in VEGFR2 Signaling and Angiogenesis

Sheela Nagarkoti, Vascular Biology Center

A Novel and Important Role of UFM1-Binding Protein 1 (UFBP1) in the Regulation of ER and Cardiac Homeostasis

Varsha Tandra, Vascular Biology Center

Macrophage Dynamin-Related Protein1 (Drp1) is Required for Ischemia-Induced Neovascularization

Shikha Yadav, Vascular Biology Center

Does Arginase-2 (A2) Mediate Retinal Ganglion Cell Death by Exacerbating Excitotoxicity-Induced Calcium Signaling and Promoting Mitochondrial Dysfunction?

Syed Adeel Zaidi, Vascular Biology Center

THANK YOU

to all who played a part in making our 37th Annual Graduate Research Day a success!

- Our supportive faculty for your tireless dedication to the education of our students
- Our talented trainees students, postdocs, residents, scholars for your hard work and dedication towards amazing research that makes a difference
- Dr. Lucas, Dr. Bollag, members of the GRD committee and judges for all of your time and effort to coordinate such a successful event
- The Office of Alumni Affairs for the delicious donuts and your continued support throughout the year
- Our generous graduate student volunteers for your help in making GRD run smoothly
- Our dedicated Graduate School staff for your continued commitment towards supporting the graduate community and for your significant role in making GRD a reality