

# Research!Louisville

## 2022 Poster Presentations

Kosair Charities Clinical and Translational Research Building  
505 South Hancock Street

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**Monday, 9:00 am - 12:00 pm**

<b>Cancer Health Disparities Summer Bridge Program</b>		
Boamah	Refugee Views on Cervical Cancer and the HPV Vaccine. Gralie Boamah <sup>1</sup> ; Toluwani Adekunle <sup>2</sup> ; Dana Seay <sup>2</sup> ; Andrew LaJoie <sup>2</sup> <i>Biology</i> <sup>1</sup> , and <i>Health Promotion &amp; Behavioral Sciences</i> <sup>2</sup> . [2022]	CHD-1
Brewer	Building a Better Mouse Trap: The Characterization of Sex Dependent Response in Murine Trachea in vitro. Sinopa Brewer <sup>1</sup> ; Daniel Conklin <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	CHD-2
Calvin	lifestyle factors may confound the effects of stress on fertility. Quavon Calvin <sup>1</sup> ; Kira Taylor <sup>1</sup> <i>Epidemiology &amp; Population Health</i> <sup>1</sup> . [2022]	CHD-3
Dong	Optimizing Decellularization Strategies For Glioblastoma Core And Rim Tissue. Eric Dong <sup>1</sup> ; Zachary Fowler <sup>1</sup> ; Joeseeph Chen <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> . [2022]	CHD-4
Harris	The Effects of Gestation E-Cigarette Exposure on Offspring Relative Kidney Weight. Anna-Lee Harris <sup>1</sup> ; Selma Podbicanin <sup>2</sup> ; Isaiah Burciaga <sup>2</sup> ; Katelyn Chism <sup>2</sup> ; Cynthia Corbitt <sup>2</sup> ; Rachel Neal <sup>2</sup> <i>Biology</i> <sup>2</sup> , and <i>School of Nursing</i> <sup>1</sup> . [2022]	CHD-5
Hicks	Bacteroides Fragilis Toxin Induces Macrophage Secretion of Pro-inflammatory Cytokines. Rachel Hicks <sup>1</sup> ; ZhongBin Deng <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	CHD-6
Kouokam Mboutue	Cadmium induces cytotoxicity in human lung fibroblast. Joash Kouokam Mbutue <sup>1</sup> ; Haiyan Lu <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	CHD-7
Mansfield	Covid-19 Vaccine Hesitancy In Us Sexual And Gender Minorities (SGMs). Jona Mansfield <sup>1</sup> ; Ryan Combs <sup>2</sup> ; A. Scott Lajoie <sup>2</sup> <i>Health Promotion &amp; Behavioral Sciences</i> <sup>2</sup> , and <i>Western Kentucky University</i> <sup>1</sup> . [2022]	CHD-8
Overton	Environmental, Social and Genetic Variables that Influence the Progression of Lupus. Kristen Overton <sup>1</sup> ; LaCreis Kidd <sup>2</sup> ; Shesh Rai <sup>3</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>2</sup> , <i>Chemistry</i> <sup>1</sup> , and <i>Department of Environmental and Public Health Sciences</i> <sup>3</sup> . [2022]	CHD-9
Reynolds	Does Cadmium Reduce DNA Damage Signaling by the MRN Complex in Lung Epithelial Cells? . Caitlin Reynolds <sup>1</sup> ; Alexandra Nail <sup>1</sup> ; Mayukh Banerjee <sup>1</sup> ; J. Christopher States <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	CHD-10

Romero	Examination of Race and Sex Differences in Associations with Stress and Hair Cortisol in Preschool-aged Children. Haven Gabrielle Romero <sup>1</sup> ; Akira Issac <sup>1</sup> ; Sara Bufferd <sup>1</sup> <i>Psychological and Brain Sciences</i> <sup>1</sup> . [2022]	CHD-11
Sallah	Socioeconomic Factors on HIV Knowledge. Maimuna Sallah <sup>1</sup> ; Adrienne Smith <sup>2</sup> ; Kendria Kelly-Taylor <sup>3</sup> ; Jason Deakings <sup>2</sup> ; Jelani Kerr <sup>2</sup> <i>Chemistry</i> <sup>1</sup> , <i>Epidemiology &amp; Population Health</i> <sup>3</sup> , and <i>Health Promotion &amp; Behavioral Sciences</i> <sup>2</sup> . [2022]	CHD-12

### Engineering Graduate Student—Doctoral Candidate

Chowdhury	The effect of drying techniques on the pore size distribution of Bentonite. Nilufar Chowdhury <sup>1</sup> ; Omid Ghasemi Fare <sup>1</sup> <i>Civil &amp; Environmental Engineering</i> <sup>1</sup> . [2022]	GDE-1
ElNakieb	Two-Stage SNCAE Classification for Local and Global Diagnosis of Autism Spectrum Disorder. Yaser ElNakieb <sup>1</sup> ; Lara Hassan <sup>1</sup> ; Mohamed Ali <sup>1</sup> ; Ahmed Shalaby <sup>1</sup> ; Ayman El-Baz <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> . [2022]	GDE-2
Hanafy	Efficacy of Computed Tomography Colonography (CTC) vs Abdominal Low Dose CT scans. Mohamed Hanafy <sup>1</sup> ; Islam Alkabbany <sup>1</sup> ; Aly Farag <sup>1</sup> <i>Electrical &amp; Computer Engineering</i> <sup>1</sup> . [2022]	GDE-3
Mishra	Acceptance of Robot Nursing Assistant by Healthcare Providers: An Experimental Case Study. Ruchik Mishra <sup>1</sup> ; Nazita Taghavi <sup>1</sup> ; Irina Kondaurova <sup>2</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>2</sup> , and <i>Electrical &amp; Computer Engineering</i> <sup>1</sup> . [2022]	GDE-4
Mohammadzadeh	Analyzing the feasibility of using shallow geothermal energy to deice the pavements: Field testing. Amin Mohammadzadeh <sup>1</sup> ; Omid Ghasemi Fare <sup>1</sup> ; Zhihui Sun <sup>1</sup> <i>Civil &amp; Environmental Engineering</i> <sup>1</sup> . [2022]	GDE-5
Naglah	Automating the measurements of glomerular basement membrane in electron microscopy images.. Ahmed Naglah <sup>1</sup> ; Lara Hassan <sup>1</sup> ; Ayman El-Baz <sup>1</sup> ; Dibson Gondim <sup>1</sup> ; Jessica Hata <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> . [2022]	GDE-6
Najafian Jazi	Analyzing the effect of natural convection and forced convection on soil thermal response close to a vertical heat source embedded in the sloping ground. Fereydoun	GDE-7

Najafian Jazi<sup>1</sup>; Omid Ghasemi-Fare<sup>1</sup>; Thomas Rockaway<sup>1</sup>  
*Civil & Environmental Engineering*<sup>1</sup>. [2022]

Engineering Graduate Student—Masters		
Abdelhalim	Computer Aided System for Brain Death Detection. AlHassan Abdelhalim <sup>1</sup> ; Sohail Contractor <sup>2</sup> ; Ayman El-Baz <sup>1</sup> ; Yi Zhang <sup>2</sup> ; MohammadJavad Negahdar <sup>2</sup> ; Andrew E. Switala <sup>1</sup> ; Ahmed Alksas <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> , and <i>Radiology</i> <sup>2</sup> . [2022]	GME-1
Andrawes	Cavopulmonary Assist to reverse the failing Fontan Circulation. Mariem Andrawes <sup>1</sup> ; Yu Wang <sup>2</sup> ; Mohamed Shehata <sup>1</sup> ; Ayman El-Baz <sup>1</sup> ; Guruprasad Giridharan <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> , and <i>Optoelectronic Engineering and Instrumentation Science</i> <sup>2</sup> . [2022]	GME-2
Baxter	Metabolomic analysis reveals differences in spatially distinct tissue regions in glioblastoma. Mary Baxter <sup>1</sup> ; Hunter Miller <sup>1</sup> ; Brian Williams <sup>2</sup> ; Hermann Frieboes <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> , and <i>Neurological Surgery</i> <sup>2</sup> . [2022]	GME-3
Camino	Computer-Aided Diagnosis (CAD) System for Breast Cancer Analysis. Lucas Camino <sup>1</sup> ; Asma Baccouche <sup>1</sup> ; Adel Elmaghraby <sup>1</sup> <i>Computer Science &amp; Engineering</i> <sup>1</sup> . [2022]	GME-4
Elattar	Development of a tool to compare Neurophysiological Maps from spinal cord epidural stimulation. Aicha Elattar <sup>1</sup> ; Kundan Joshi <sup>1</sup> ; Ayman Elbaz <sup>1</sup> ; Claudia Angeli <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> . [2022]	GME-5
Elmesiry	Artificial Intelligence Based Computer-Aided Diagnostic (AI-Based CAD) Software for Early and Precise Assessment of Renal Transplant Status. Omar Elmesiry <sup>1</sup> ; Ayman El-Baz <sup>1</sup> ; Mohamed Shehata <sup>1</sup> ; Andrew Switala <sup>1</sup> ; Ahmed Alksas <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> . [2022]	GME-6
Elsabban	Effect of cell cycle phases on ultrasound-mediated molecular delivery to human T cells. Yassmin Elsabban <sup>1</sup> ; Connor Centner <sup>1</sup> ; John Moore <sup>1</sup> ; Jonathan Kopechek <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> . [2022]	GME-7
Hassan	Web-Based Application to Parallelize Pathology Education. Lara Hassan <sup>1</sup> ; Ahmed Naglah <sup>1</sup> ; Ayman El-Baz <sup>1</sup> ; Dibson Gondim <sup>2</sup> <i>Bioengineering</i> <sup>1</sup> , and <i>Medicine</i> <sup>2</sup> . [2022]	GME-8
Moustafa	Unsupervised automatic delineation of blood vessels in Optical Coherence Tomography Angiography (OCTA) images using a novel adaptive model based on self-	GME-9

	organizing maps. Moamen Moustafa <sup>1</sup> ; Ayman El-baz <sup>1</sup> ; Ahmed Alksas <sup>1</sup> ; Ahmed Sharafeldein <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> . [2022]	
Rahman	Quantification of Contributing Factors Affecting Post Heart Transplant Survivability using Multitask Cox Model. Amanat Ur Rahman <sup>1</sup> ; Xiaoyu Chen <sup>1</sup> ; Monica Gentili <sup>1</sup> ; Jaimin Trivedi <sup>2</sup> <i>Cardiovascular and Thoracic Surgery</i> <sup>2</sup> , and <i>Industrial Engineering</i> <sup>1</sup> . [2022]	GME-10
Rezq	Early Detection Of Vertebral Tumors Using A Cad System With New Integrations Of Morphological And Textural Image-Based Markers. Mohamed Rezq <sup>1</sup> ; Ayman El-Baz <sup>1</sup> ; Mohamed Shehata <sup>1</sup> ; Ahmed Alksas <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> . [2022]	GME-11
Wally	An AI-Based Colonic Polyp Classifier for Colorectal Cancer Screening. Shrouk Wally <sup>1</sup> ; Asem Ali <sup>1</sup> ; Aly Farag <sup>1</sup> <i>Electrical &amp; Computer Engineering</i> <sup>1</sup> . [2022]	GME-12

#### J.G. Brown Cancer Center High School Scholar

Hindupur	Role of Pro-Inflammatory Lipid Mediators and Gut Microbiota in the Progression of Alzheimer's Disease. Esha Hindupur <sup>1</sup> ; Sobha Bodduluri <sup>1</sup> ; Haribabu Bodduluri <sup>1</sup> ; Steven Mathis <sup>1</sup> <i>Microbiology &amp; Immunology</i> <sup>1</sup> . [2022]	HSS-1
Kutumbaka	miRNAs Regulate PSAT1 and PHGDH Protein Expression in Endocrine Resistant Breast Cancer Cells. Sanhita Kutumbaka <sup>1</sup> ; Belinda Petri <sup>1</sup> ; Kellianne Piell <sup>1</sup> ; Brian Clem <sup>1</sup> ; Carolyn Klinge <sup>1</sup> <i>Biochemistry and Molecular Genetics</i> <sup>1</sup> . [2022]	HSS-2
Kutumbaka	The Evaluation of Exosomes Isolated from Induced Pluripotent Stem Cells Expressing Granulocyte-Macrophage Colony-Stimulating Factor. Shriya Kutumbaka <sup>1</sup> ; Chi Li <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	HSS-3
Li	Identification of Improved Small Molecule Inhibitors of IL-6. Oliver Li <sup>1</sup> ; Joseph Burlison <sup>1</sup> ; John Trent <sup>1</sup> ; Geoffrey Clark <sup>1</sup> ; Howard Donninger <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	HSS-4
Ranjan	Effect of PSAT1 Expression on Mitochondrial Function in EGFR Mutant Lung Cancer Cells. Rishabh Ranjan <sup>1</sup> ; Brian Clem <sup>1</sup> <i>Biochemistry and Molecular Genetics</i> <sup>1</sup> . [2022]	HSS-5
Yakoumatos	The Impact of beta-Glucans on Murine Macrophage Activation. Ryan Yakoumatos <sup>1</sup> ; Diego Montoya-Durango <sup>1</sup> ; Jun Yan <sup>1</sup> <i>Surgery</i> <sup>1</sup> . [2022]	HSS-6

### NCI R25 Undergraduate Student

Abubakar	89Zr-ImmunoPET for B7-H3 levels in a pulmonary melanoma mouse model. Abubakar Abubakar <sup>1</sup> ; Raven Cox <sup>2</sup> ; Haixun Guo <sup>3</sup> <i>Biology</i> <sup>1</sup> , <i>Obstetrics, Gynecology &amp; Women's Health</i> <sup>2</sup> , and <i>Radiology</i> <sup>3</sup> . [2022]	UCE-1
Amirneni	Uncovering the Role of Cancer Associated Fibroblasts in Tumor Immunosuppression. Kamal Amirneni <sup>1</sup> ; Ezekiel Bello <sup>1</sup> ; Omar Sarkar <sup>1</sup> ; Lewis Chew <sup>1</sup> ; Manasa Malladi <sup>1</sup> ; Kavitha Yaddanapudi <sup>1</sup> <i>Microbiology &amp; Immunology</i> <sup>1</sup> . [2022]	UCE-2
Collins	The Purification and Development of a Lectikine Targeting Tumor-associated High-Mannose Glycans. Ka'Lynn Collins <sup>1</sup> ; Ian Santisteban Celis <sup>1</sup> ; Katarina Mayer <sup>1</sup> ; Nobuyuki Matoba <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	UCE-3
Fernando	Carcinogenic Chromium Disrupts RAD51 and RAD51D Function in Homologous Recombination in Human Lung Cells. Jeraan Fernando <sup>1</sup> ; Aggie Williams <sup>1</sup> ; Sandra Wise <sup>1</sup> ; John Wise <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	UCE-4
Funk	Effects of N-Oleoyl Dopamine on Fibrotic Marker Expression in Retinal Cells. Kyle Funk <sup>1</sup> ; Lucy Sloan <sup>1</sup> ; Zhao-hui Song <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	UCE-5
George	Programmed Death-Ligand 1 Expression in SW-480 Colon Cancer Cells Treated with Interferon Gamma. Joan George <sup>1</sup> ; Anne Macleod <sup>2</sup> ; Katharina Scheurlen <sup>3</sup> ; Dylan Snook <sup>2</sup> ; Christian Barbour <sup>4</sup> ; Susan Galandiuk <sup>4</sup> <i>Medicine</i> <sup>3</sup> , <i>Pharmacology and Toxicology</i> <sup>1</sup> , <i>Physiology</i> <sup>2</sup> , and <i>Surgery</i> <sup>4</sup> . [2022]	UCE-6
Greene	The influence of trauma exposure and distress on traumatic stress symptomatology among people with gynecological cancers: an exploratory study. Brandon Greene <sup>1</sup> ; Karlynn BrintzenhofeSzoc <sup>2</sup> <i>Kent School of Social Work</i> <sup>2</sup> , and <i>School of Nursing</i> <sup>1</sup> . [2022]	UCE-7
Jaganathan	Upregulation of Programmed Death Ligand1 (PDL1) expression in HT-29 Colon Cancer Cell Line. Vaitheesh Jaganathan <sup>1</sup> ; Anne Anne Macleod <sup>1</sup> ; Katharina Scheurlen <sup>1</sup> ; Eliah Hiken <sup>1</sup> ; Caden Seraphine <sup>1</sup> ; Susan Galandiuk <sup>1</sup> <i>Surgery</i> <sup>1</sup> . [2022]	UCE-8
Littlefield	Inflammatory Gene Expression as Screening Markers for Early-Onset Colon Cancer: A Pilot Study. Andrew	UCE-9

	Littlefield <sup>1</sup> ; Katharina Scheurlen <sup>1</sup> ; Anne Macleod <sup>1</sup> ; Toriana Alfieri <sup>1</sup> ; Eleanor Hinkebein <sup>1</sup> ; Susan Galandiuk <sup>1</sup> <i>Physiology</i> <sup>1</sup> . [2022]	
Luulay	Sex-Dependent Effects Of Vinyl Chloride, A Chemical Carcinogen, On The Hepatic Transcriptome. Bana Luulay <sup>1</sup> ; Richa Singhal <sup>1</sup> ; Eric Rouchka <sup>1</sup> ; Matthew Cave <sup>1</sup> ; Sanjay Srivastava <sup>1</sup> ; Banrida Wahlang <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	UCE-10
Martinez	Effect of Arsenic Exposure on m6A Methylation in Human Keratinocytes. Madeline Martinez <sup>1</sup> ; Mayukh Banerjee <sup>1</sup> ; Christopher States <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	UCE-11
Nguyen	Associations between Geographic Residence, Psychological Factors and Resilience among Kentucky Cancer Survivors [2022]. Hoa Nguyen <sup>1</sup> ; Stephie Abraham <sup>1</sup> ; Kathy Baumgartner <sup>1</sup> ; Richard Baumgartner <sup>1</sup> ; Stephanie Boone <sup>1</sup> <i>Epidemiology &amp; Population Health</i> <sup>1</sup> . [2022]	UCE-12
Oyeleye	Could E162 Prevent Hexavalent Chromium-induced Cancer? A Study of Human Lung Fibroblasts. Ayomikun Oyeleye <sup>1</sup> ; Joseph Kouokam <sup>2</sup> ; Anna Duncan <sup>3</sup> ; John Lechner <sup>4</sup> ; John Wise <sup>2</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>3</sup> , <i>Pharmacology and Toxicology</i> <sup>2</sup> , <i>Psychological and Brain Sciences</i> <sup>1</sup> , and <i>Toxicology</i> <sup>4</sup> . [2022]	UCE-13
Schwender	The Effects of PFKFB4 Inhibition on Apoptosis in Sonic Hedgehog Medulloblastoma. Monica Schwender <sup>1</sup> ; Sucheta Telang <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	UCE-14
Southern	Assessing differences in the production of TNF-a and IL-10 by THP-1 monocytes treated with conditioned media derived from 2D and 3D HepG2 cells cultured in the presence or absence of ethanol. Alexander Southern <sup>1</sup> ; Luke Schroder <sup>1</sup> ; Joshua Hood <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	UCE-15
Vemuri	Withaferin A effects on NF-kB/NLRP3 Inflammasome Activation and Renal Function in Ovarian Cancer-Induced Mice. Vasa Vemuri <sup>1</sup> ; Kusum Kumar <sup>1</sup> ; Sham Kakar <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	UCE-16
Wichmann	The Impact of Circadian Rhythm Susceptibility Genetic Variants on Prostate Cancer Outcomes. Emma Wichmann <sup>1</sup> ; LaCreis Kidd <sup>2</sup> <i>Pharmacology and Toxicology</i> <sup>2</sup> , and <i>Psychological and Brain Sciences</i> <sup>1</sup> . [2022]	UCE-17



**Monday, 1:00 pm - 4:00 pm**

<b>Dental Student</b>		
Almoutem	Effect of image receptor types and image file formats on the performance of AI and observers in detecting non-cavitated proximal dental caries on bitewing radiographs. Nooreddin Almoutem <sup>1</sup> ; Rachel Scaglione <sup>1</sup> ; Rieser Wells <sup>1</sup> ; Kathleen Fischer <sup>2</sup> ; Michael Sekula <sup>1</sup> ; Christiano Oliveira-Santos <sup>1</sup> ; William Scarfe <sup>1</sup> ; Danieli Moura Brasil <sup>1</sup> ; Gustavo Machado Santaella <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>2</sup> , and <i>Diagnosis &amp; Oral Health</i> <sup>1</sup> . [2022]	D-1
Anderson	"The Effects of Vitamin D on Suppressors of Cytokine Synthesis (SOCS) Gene Expression in Oral Epithelial Cells". Nathan Anderson <sup>1</sup> ; Gill Diamond <sup>1</sup> ; Erika Figgins <sup>1</sup> <i>Biology</i> <sup>1</sup> . [2022]	D-2
Barney	Covid19 Patients Demonstrate a Decrease in Gene Expression of an Oral Ionocyte Biomarker, Foxi1, and of the Antimicrobial Peptide, hBD-1, Leaving CFTR Unchanged.. Weston Barney <sup>1</sup> ; Tanya O. Robinson, Ph.D <sup>2</sup> ; Neha S. Dhaliwal <sup>2</sup> ; T. Grant Wichman <sup>2</sup> ; Sarah C. Glover, D.O. <sup>2</sup> ; Lisa Ryan, Ph.D <sup>1</sup> <i>Department of Medicine, Digestive Diseases Division</i> <sup>2</sup> , and <i>Oral Immunology &amp; Infectious Diseases</i> <sup>1</sup> . [2022]	D-3
Blake	3dMD as a Clinical Tool to Analyze Facial Symmetry in Edentulous Patients to Compare Denture Fit. Christopher Blake <sup>1</sup> ; Geral Grant <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-4
Bleazard	Effect of chewing simulation conditions on flexural strength of dental restorative materials. Spencer Bleazard <sup>1</sup> ; Keona Lee <sup>1</sup> ; Eduardo Bortoluzzi <sup>1</sup> ; Grace De Souza <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-5
Britten	Impact of deep reading in case-based learning in graduate physiology students. Jack Britten <sup>1</sup> ; Robert Brainard <sup>1</sup> <i>Physiology</i> <sup>1</sup> . [2022]	D-6
Brown	The Effects of Post-Processing Procedures on 3D-Printed Resin Parts. Cameron Brown <sup>1</sup> ; Gerald Grant <sup>1</sup> ; Christiano de Oliveira Santos <sup>2</sup> <i>Diagnosis &amp; Oral Health</i> <sup>2</sup> , and <i>Rehabilitative &amp; Reconstructive Dentistry</i> <sup>1</sup> . [2022]	D-7
Chugg	"Effects of Active Engagement and Spaced Retrieval Practice on Knowledge and Application of a Self-Assessment Rubric: A Phase 2, 12-month Follow-up.". Cameron Chugg <sup>1</sup> ; Michael Metz <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-8

Chumbler	Enhancing Clinical Anatomical Relevance For Dental Students Through Surgical Dissections. Madison Chumbler <sup>1</sup> ; Nicole Herring <sup>2</sup> ; Jennifer Brueckner-Collins <sup>2</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>2</sup> , and <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-9
Clapsaddle	Quality Control of In-Office 3D Printing with Various Resins. Kathryn Clapsaddle <sup>1</sup> ; Christiano Santos <sup>2</sup> ; Gerald Grant <sup>1</sup> <i>Diagnosis &amp; Oral Health</i> <sup>2</sup> , and <i>Rehabilitative &amp; Reconstructive Dentistry</i> <sup>1</sup> . [2022]	D-10
Collins	3dMD Capture of Anterior tooth Placement and Vertical Occlusion. Seth Collins <sup>1</sup> ; Gerald Grant <sup>1</sup> ; Christiano Santos <sup>2</sup> ; Gustavo Santaella <sup>2</sup> <i>Diagnosis &amp; Oral Health</i> <sup>2</sup> , and <i>Rehabilitative &amp; Reconstructive Dentistry</i> <sup>1</sup> . [2022]	D-11
Dilliha	A Novel Antimicrobial Orthodontic Clear Aligners: A Pilot Study. Amanda Dilliha <sup>1</sup> ; Jinlian Tan <sup>2</sup> ; Alec McDonald <sup>1</sup> ; Sudha Gudhimella <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>1</sup> , and <i>Oral Immunology &amp; Infectious Diseases</i> <sup>2</sup> . [2022]	D-12
Fast	Attitudes About and Willingness to Treat Patients with Special Needs: Differences Among Dentists and Dental Students Practicing in Rural versus Urban Areas. Olivia Fast <sup>1</sup> ; Lauren Peterson <sup>1</sup> ; Cynthia Godwin <sup>1</sup> ; Abbie Beacham <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-13
Haslem	Incorporation of Sociobehavioral Scien. Rachel Haslem <sup>1</sup> ; Nicole Herring <sup>2</sup> ; Jennifer Brueckner-Collins <sup>2</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>2</sup> , and <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-14
Hong	The transcriptomic response to CBD of <i>Treponema denticola</i> , a phytocannabinoid-resistant periodontal pathogen. HeeJue Hong <sup>1</sup> ; Jinlian Tan <sup>1</sup> ; David Scott <sup>1</sup> ; Gwyneth Lamont <sup>1</sup> <i>Oral Immunology &amp; Infectious Diseases</i> <sup>1</sup> . [2022]	D-15
House	Analysis of Posterior Composite Restorations Utilizing Stereomicroscope Imaging: An In Vitro Study. Holly House <sup>1</sup> ; Courtney Knabel <sup>1</sup> ; Kristin Kasimati <sup>1</sup> ; Kathleen Fischer <sup>1</sup> ; David Brock <sup>1</sup> ; Michael Sekula <sup>2</sup> ; Christiano Santos <sup>3</sup> ; Gustavo Santaella <sup>3</sup> ; Danieli Brasil <sup>3</sup> ; William Scarfe <sup>3</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>2</sup> , <i>Comprehensive Dentistry</i> <sup>1</sup> , and <i>Diagnosis &amp; Oral Health</i> <sup>3</sup> . [2022]	D-16
Jensen	Do Metal Artifacts in Adjacent Teeth Affect the Accuracy in 3D Guided Fiber Post Removal?. Tanner Jensen <sup>1</sup> ; Kevin Hagood <sup>1</sup> ; Kent Sabey <sup>1</sup> ; William Scarfe <sup>1</sup> ; Gustavo	D-17

	Santaella <sup>1</sup> ; Michael Sekula <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	
Jones	Kentucky Dentists' Perception of their State's Medicaid Program. Colin Jones <sup>1</sup> ; Sherry Babbage <sup>1</sup> <i>Diagnosis &amp; Oral Health</i> <sup>1</sup> . [2022]	D-18
Kasimati	Analysis of Posterior Composite Restorations: An In Vitro Study Utilizing Cone Beam Computed Tomography. Kristin Kasimati <sup>1</sup> ; Holly House <sup>1</sup> ; Courtney Knabel <sup>1</sup> ; Kathleen Fischer <sup>1</sup> ; Michael Sekula <sup>2</sup> ; Danieli Brasil <sup>3</sup> ; Gustavo Santaella <sup>3</sup> ; Christiano Santos <sup>3</sup> ; William Scarfe <sup>3</sup> ; Lisa Sandell <sup>1</sup> ; David Brock <sup>4</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>2</sup> , <i>Comprehensive Dentistry</i> <sup>1</sup> , <i>Diagnosis &amp; Oral Health</i> <sup>3</sup> , and <i>Prosthodontics</i> <sup>4</sup> . [2022]	D-19
Keele	The Effect of vitamin D on Invasion of Filifactor alocis in Gingival Keratinocytes. Garrett Keele <sup>1</sup> ; Gill Diamond <sup>1</sup> ; Erika Figgins <sup>1</sup> <i>Oral Immunology &amp; Infectious Diseases</i> <sup>1</sup> . [2022]	D-20
Kim	Macrophage Polarization Resulting from Exposure of THP-1 Cells to E-cigarette Liquid Exposure. Hannah Kim <sup>1</sup> ; Erika L. Figgins <sup>1</sup> ; Denny K. Gao <sup>1</sup> ; Gill Diamond, Ph.D. <sup>1</sup> ; Giancarlo Cuadra <sup>1</sup> ; Lisa Kathleen Ryan, Ph.D. <sup>1</sup> <i>Oral Immunology &amp; Infectious Diseases</i> <sup>1</sup> . [2022]	D-21
Kim	Investigating Protein interaction between HBD-1 and CFTR via Crosslinking. Jumin Kim <sup>1</sup> ; Denny Gao <sup>1</sup> ; Andrew Fuchs <sup>1</sup> ; Barbara Potempa <sup>1</sup> ; Lisa Ryan <sup>1</sup> <i>Oral Immunology &amp; Infectious Diseases</i> <sup>1</sup> . [2022]	D-22
Knabel	Analysis of Posterior Composite Restorations Utilizing Bitewings: An In Vitro Study. Courtney Knabel <sup>1</sup> ; Holly House <sup>1</sup> ; Kristin Kasimati <sup>1</sup> ; Michael Sekula <sup>2</sup> ; Christiano de Oliveira Santos <sup>3</sup> ; Gustavo Santaella <sup>3</sup> ; Danieli Brasil <sup>3</sup> ; William Scarfe <sup>3</sup> ; Kathleen Fischer <sup>1</sup> ; David Brock <sup>1</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>2</sup> , <i>Comprehensive Dentistry</i> <sup>1</sup> , and <i>Diagnosis &amp; Oral Health</i> <sup>3</sup> . [2022]	D-23
Lee	Physicochemical Properties of a New Endodontic Bioceramic Sealer. Jeanju Lee <sup>1</sup> ; Sarth Patel <sup>1</sup> ; Grace De Souza <sup>1</sup> ; Danieli Brasil <sup>1</sup> ; Eduardo Antunes Bortoluzzi <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-24
Lee	Effect of acid fluid motion on properties of esthetic restorative dental materials. Keona Lee <sup>1</sup> ; Spencer Bleazard <sup>1</sup> ; Eduardo Bortoluzzi <sup>1</sup> ; Grace De Souza <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-25

Lee	The role of para-amino benzoic acid (pABA) in Porphyromonas gingivalis virulence. Paul Lee <sup>1</sup> ; Kendall Stocke <sup>1</sup> ; Richard Lamont <sup>1</sup> <i>Oral Immunology &amp; Infectious Diseases</i> <sup>1</sup> . [2022]	D-26
Lofton	Comparison of Specific Jaw Position Measurements on a Static and Dynamic Virtual Patient. Payton Lofton <sup>1</sup> ; Gerald Grant <sup>1</sup> ; Danieli Brasil <sup>1</sup> ; Christiano de O. Santos <sup>1</sup> ; William Scarfe <sup>1</sup> ; Gustavo Santaella <sup>1</sup> <i>Diagnosis &amp; Oral Health</i> <sup>1</sup> . [2022]	D-27
Lopez	Comparison of image quality of CBCT acquired with different fields of view and resolutions and reconstructed using two methods.. Bryan Lopez <sup>1</sup> ; Amanda Ramage <sup>1</sup> ; Kathleen Fischer <sup>1</sup> ; Michael Sekula <sup>1</sup> ; Gustavo Santaella <sup>1</sup> ; William Scarfe <sup>1</sup> ; Danieli Brasil <sup>1</sup> ; Christiano Oliveira-Santos <sup>1</sup> <i>Diagnosis &amp; Oral Health</i> <sup>1</sup> . [2022]	D-28
McDonald	A Novel, Nitric Oxide-Releasing Elastomeric Chain for Antimicrobial Action. Alec McDonald <sup>1</sup> ; Carly Warden <sup>1</sup> ; Jinlian Tan <sup>2</sup> ; Jill Steinbach - Rankings <sup>3</sup> ; Marsha Cole <sup>4</sup> ; Sudha Gudhimella <sup>1</sup> <i>Biochemistry and Molecular Genetics</i> <sup>4</sup> , <i>Bioengineering</i> <sup>3</sup> , <i>Comprehensive Dentistry</i> <sup>1</sup> , and <i>Oral Immunology &amp; Infectious Diseases</i> <sup>2</sup> . [2022]	D-29
Miesner	Are Burnout and Well-being in Dental Students Related to Clinical Work?. Sarah Miesner <sup>1</sup> ; Abbie Beacham <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-30
Montgomery	Photomicroscopy techniques for small dental specimens.. Joshua Montgomery <sup>1</sup> ; Guillermo Rougier <sup>1</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>1</sup> . [2022]	D-31
Nilson	Combining ears and teeth using micro-CT: improving the dataset of an ancient fossil mammal. Jared Nilson <sup>1</sup> ; Brian Davis <sup>1</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>1</sup> . [2022]	D-32
Peterson	Critical Thinking in a Vertically Integrated Course. Kirsten Peterson <sup>1</sup> ; Pauletta Baughman <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-33
Ramage	Comparison of image quality of CBCT acquired with different milliamperages and with and without metal artifact reduction using two reconstruction methods. Amanda Ramage <sup>1</sup> ; Bryan Lopez <sup>1</sup> ; Kathleen Fischer <sup>1</sup> ; Michael Sekula <sup>1</sup> ; Gustavo Santaella <sup>1</sup> ; William Scarfe <sup>1</sup> ; Danieli Brasil <sup>1</sup> ; Christiano Oliveira-Santos <sup>1</sup> <i>Diagnosis &amp; Oral Health</i> <sup>1</sup> . [2022]	D-34

Rennirt	The Use and Perception of Meperidine as a Sedative Medication in Pediatric Dentistry. Savanna Rennirt <sup>1</sup> ; Timothy Followell <sup>1</sup> ; Austin Rodenberg <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-35
Russell	Dental Student Perceptions On The Effectiveness Of The Incorporation Of Sociobehavioral Sciences With Head And Neck Anatomy. Stephanie Russell <sup>1</sup> ; Nicole Herring <sup>2</sup> ; Jennifer Brueckner-Collins <sup>2</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>2</sup> , and <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-36
Scaglione	Effect of kilovoltage on the performance of AI and observers in detecting non-cavitated proximal dental caries on bitewing radiographs. Rachel Scaglione <sup>1</sup> ; Nooreddin Almoutem <sup>1</sup> ; Rieser Wells <sup>1</sup> ; Kathleen Fischer <sup>2</sup> ; Michael Sekula <sup>3</sup> ; Christiano Oliveira-Santos <sup>1</sup> ; William Scarfe <sup>1</sup> ; Danieli Moura Brasil <sup>1</sup> ; Gustavo Machado Santaella <sup>1</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>3</sup> , <i>Comprehensive Dentistry</i> <sup>2</sup> , and <i>Diagnosis &amp; Oral Health</i> <sup>1</sup> . [2022]	D-37
Tierney	Immunohistochemical Co-localization of CFTR, Foxi1 and Human Beta-Defensin-1 in Minor Salivary Glands. Paige Tierney <sup>1</sup> ; Brian Shumway <sup>1</sup> ; Lisa Ryan <sup>1</sup> <i>Diagnosis &amp; Oral Health</i> <sup>1</sup> . [2022]	D-38
Tsiouvaras	Evaluation of the accuracy of MiPacs software in digital odontometry - a pilot study. Laura Tsiouvaras <sup>1</sup> ; Grace De Souza <sup>1</sup> ; Gustavo Santaella <sup>1</sup> ; Eduardo Bortoluzzi <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-39
Watson	First Year Dental Student Attitudes and Self-Efficacy Toward Death, Dying, and Working With Anatomical Donors. Amira Watson <sup>1</sup> ; Nicole Herring <sup>2</sup> ; Jennifer Brueckner-Collins <sup>2</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>2</sup> , and <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	D-40
Wells	Effect of horizontal x-ray beam angulation on the performance of AI and observers in detecting non-cavitated proximal dental caries on bitewing radiographs. Rieser Wells <sup>1</sup> ; Rachel Scaglione <sup>1</sup> ; Nooreddin Almoutem <sup>1</sup> ; Abbey Wells <sup>1</sup> ; Kathleen Fischer <sup>2</sup> ; Michael Sekula <sup>1</sup> ; Christiano Oliveria-Santos <sup>1</sup> ; William Scarfe <sup>1</sup> ; Danieli Moura Brasil <sup>1</sup> ; Gustavo Machado Santaella <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>2</sup> , and <i>Diagnosis &amp; Oral Health</i> <sup>1</sup> . [2022]	D-41

**Tuesday, 9:00 am - 12:00 pm**

<b>Basic Science Graduate Student—Doctoral Candidate</b>		
Ablan	Fbg aC 389 - 402 Enhances Factor XIII Crosslinking in the Fibrinogen aC Region via Electrostatic and Hydrophobic Interactions. Francis Dean Ablan <sup>1</sup> ; Muriel Maurer <sup>1</sup> <i>Chemistry</i> <sup>1</sup> . [2022]	GRD-1
Adiele	Effects of long-term exposure to polychlorinated biphenyls on ileal gene expression. Ngozi Adiele <sup>1</sup> ; Kimberly Head <sup>2</sup> ; Belinda Petri <sup>3</sup> ; Kellianne Piell <sup>2</sup> ; Jianzhu Luo <sup>2</sup> ; Tyler Gripshover <sup>1</sup> ; Matthew Cave <sup>2</sup> ; Carolyn Klinge <sup>3</sup> ; Banrida Wahlang <sup>2</sup> <i>Biochemistry and Molecular Genetics</i> <sup>3</sup> , <i>Medicine</i> <sup>2</sup> , and <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	GRD-2
Brady	Increased Levels of IFN $\gamma$ Activates Neutrophils in Lupus Nephritis Patients with TNIP1 SNP rs4958881. Makayla Brady <sup>1</sup> ; David Powell <sup>2</sup> ; Dawn Caster <sup>2</sup> ; Michelle Barati <sup>2</sup> ; Madhavi Rane <sup>2</sup> ; Shweta Tandon <sup>2</sup> <i>Biochemistry and Molecular Genetics</i> <sup>1</sup> , and <i>Medicine</i> <sup>2</sup> . [2022]	GRD-3
Brown	Monocular deprivation during the critical period alters neuronal tuning and the composition of visual circuitry. Thomas Brown <sup>1</sup> ; Aaron McGee <sup>1</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>1</sup> . [2022]	GRD-4
Crouse	Perineuronal Nets are Not Required to Close the Critical Period. Emily Crouse <sup>1</sup> ; Aaron McGee <sup>1</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>1</sup> . [2022]	GRD-5
Darul Amne Syed Mohammed	Mapping residues within the factor XIII-A* activation peptide cleft that interact with glutamine-containing factor XIII substrates. Rameesa Darul Amne Syed Mohammed <sup>1</sup> ; Muriel Maurer <sup>1</sup> <i>Chemistry</i> <sup>1</sup> . [2022]	GRD-6
Ford	Development and validation of a novel framework for full length Adaptive Immune Receptor Repertoire Sequencing (FLAIRR-seq). Easton Ford <sup>1</sup> ; David Tieri <sup>2</sup> ; Oscar Rodriguez <sup>2</sup> ; Nancy Francoeur <sup>3</sup> ; Justin Kos <sup>2</sup> ; William Gibson <sup>2</sup> ; Juan Soto <sup>4</sup> ; Gintaras Deikus <sup>4</sup> ; Robert Sebra <sup>4</sup> ; Corey Watson <sup>2</sup> ; Melissa Smith <sup>2</sup> <i>Biochemistry and Molecular Genetics</i> <sup>2</sup> , <i>Department of Genetics and Genomic Sciences</i> <sup>4</sup> , <i>Microbiology &amp; Immunology</i> <sup>1</sup> , and <i>N/A</i> <sup>3</sup> . [2022]	GRD-7
Garrison	ZnuABC is not essential for Klebsiella pneumoniae virulence. Taylor Garrison <sup>1</sup> ; Amanda Brady <sup>1</sup> ; Sarah Price <sup>1</sup> ; Matthew Lawrenz <sup>1</sup> <i>Microbiology &amp; Immunology</i> <sup>1</sup> . [2022]	GRD-8

Gibson	Population and evolutionary genetics of the human immunoglobulin lambda locus. William Gibson <sup>1</sup> ; Oscar Rodriguez <sup>1</sup> ; Kaitlyn Shields <sup>1</sup> ; Melissa Smith <sup>1</sup> ; Corey Watson <sup>1</sup> <i>Biochemistry and Molecular Genetics</i> <sup>1</sup> . [2022]	GRD-9
Gripshover	Environmental pollutant, Polychlorinated biphenyl 126, alters liver function in a rodent model of Alcohol-associated Liver Disease. Tyler Gripshover <sup>1</sup> ; Banrida Wahlang <sup>1</sup> ; Kimberly Head <sup>1</sup> ; Muhammad Mustafa <sup>1</sup> ; Jamie Young <sup>1</sup> ; Jianzhu Luo <sup>1</sup> ; Irina Kirpich <sup>1</sup> ; Matthew Cave <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	GRD-10
Habil	Effect of human N-acetyltransferase 1 allelic variants on metabolism, mutagenicity, DNA damage and oxidative stress induced by 3,4-dimethylaniline in Chinese hamster ovary cells.. Mariam R. Habil <sup>1</sup> ; Raul A. Salazar-Gonzalez <sup>1</sup> ; Mark A. Doll <sup>1</sup> ; David W. Hein <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	GRD-11
Hallenbeck	Carbohydrate Metabolism in Clinical Antibiotic-Resistant <i>Enterococcus faecium</i> . Michelle Hallenbeck <sup>1</sup> ; James Collins <sup>1</sup> <i>Microbiology &amp; Immunology</i> <sup>1</sup> . [2022]	GRD-12
Jana	Characterization of haplotype diversity in the human immunoglobulin heavy chain constant region using long-read sequencing. Uddalok Jana <sup>1</sup> ; Oscar Rodriguez <sup>1</sup> ; William Gibson <sup>1</sup> ; Abdullah Dorgham <sup>1</sup> ; Kaitlyn Shields <sup>1</sup> ; Catherine Silver <sup>1</sup> ; Matthew Emery <sup>2</sup> ; Gintaras Deikus <sup>2</sup> ; Robert Sebra <sup>2</sup> ; Evan Eichler <sup>3</sup> ; Melissa Smith <sup>1</sup> ; Corey Watson <sup>1</sup> <i>Biochemistry and Molecular Genetics</i> <sup>1</sup> , <i>Department of Genetics and Genomic Sciences</i> <sup>2</sup> , and <i>Department of Genome Sciences</i> <sup>3</sup> . [2022]	GRD-13
Jigo	A Novel RAS Inhibitor for Luminal B and Triple Negative Breast Cancers. Raphael Ngozichi Jigo <sup>1</sup> ; Geoffrey Clark <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	GRD-14
Kaiser	Development of a single molecule sequencing assay to resolve full-length native mitochondrial genomes. Catherine Kaiser <sup>1</sup> ; Marsha Cole <sup>1</sup> ; Melissa Smith <sup>1</sup> ; Kellianne Piell <sup>1</sup> <i>Biochemistry and Molecular Genetics</i> <sup>1</sup> . [2022]	GRD-15
Landers	The Alphavirus Capsid Protein Inhibits IRAK1-Dependent Signaling to Promote Infection, Neuroinvasion, and Pathogenesis. V. Landers <sup>1</sup> ; Milton Thomas <sup>1</sup> ; Kevin Sokoloski <sup>1</sup> <i>Microbiology &amp; Immunology</i> <sup>1</sup> . [2022]	GRD-16
Ma	Androgens can modulate immunoregulation directly through gut cells and indirectly through alteration of	GRD-17

	microbiota composition/function in a lupus mouse model.. Jing Ma <sup>1</sup> ; Michele Kosiewicz <sup>1</sup> <i>Graduate School</i> <sup>1</sup> . [2022]	
Moholkar	Targeted oral delivery of exosomal formulation of cannabidiol against lung cancer. Disha Moholkar <sup>1</sup> ; Raghuram Kandimalla <sup>1</sup> ; Farrukh Aqil <sup>2</sup> ; Jeyaprakash Jeyabalan <sup>4</sup> ; Jun Yan <sup>3</sup> ; Zhao-Hui Song <sup>1</sup> ; Ramesh Gupta <sup>1</sup> <i>3P Biotechnologies Inc.</i> <sup>4</sup> , <i>Medicine</i> <sup>2</sup> , <i>Pharmacology and Toxicology</i> <sup>1</sup> , and <i>Surgery</i> <sup>3</sup> . [2022]	GRD-18
Neupane	Analysis of Single Nucleotide Variants in G quadruplex regions. Aryan Neupane <sup>1</sup> ; Julia Chariker <sup>1</sup> ; Eric Rouchka <sup>2</sup> <i>Biochemistry and Molecular Genetics</i> <sup>2</sup> , and <i>Bioinformatics &amp; Biostatistics</i> <sup>1</sup> . [2022]	GRD-19
Nguyen	The role of transforming growth factor- $\alpha$ activated kinase 1 (TAK1) in cardiac fibroblast activation. Daniel Nguyen <sup>1</sup> ; Bradford Hill <sup>2</sup> ; Steven Jones <sup>2</sup> ; Helen Collins <sup>2</sup> ; Kenneth Brittan <sup>2</sup> ; Kyle Fulghum <sup>1</sup> <i>Medicine</i> <sup>2</sup> , and <i>Physiology</i> <sup>1</sup> . [2022]	GRD-20
Petri	Integrating multi-omics identifies PCB-specific differences in pathways in environmental liver disease in high fat diet fed mice. Belinda Petri <sup>1</sup> ; Kellianne Piell <sup>1</sup> ; Banrida Wahlang <sup>2</sup> ; Kalina Andreeva <sup>3</sup> ; Eric Rouchka <sup>1</sup> ; Jian Jin <sup>2</sup> ; Josiah Hardesty <sup>2</sup> ; Michael Merchant <sup>3</sup> ; Shesh Rai <sup>4</sup> ; Matt Cave <sup>2</sup> ; Carolyn Klinge <sup>1</sup> <i>Biochemistry and Molecular Genetics</i> <sup>1</sup> , <i>Bioinformatics &amp; Biostatistics</i> <sup>4</sup> , <i>Medicine</i> <sup>3</sup> , and <i>Pharmacology and Toxicology</i> <sup>2</sup> . [2022]	GRD-21
Rao	Sex-Based Differences In Butyrate Producing Bacterial Community In People Living With Hiv (Plwh) With A History Of Heavy Alcohol Drinking. Aakarsha Rao <sup>1</sup> ; Smita Ghare <sup>2</sup> ; Richa Singhal <sup>2</sup> ; Manicka Vadhanam <sup>2</sup> ; Kristi Hoffman <sup>3</sup> ; Joseph Petrosino <sup>3</sup> ; Kaku So-Armah <sup>4</sup> ; Jeffrey Samet <sup>4</sup> ; Debbie Cheng <sup>4</sup> ; Sally Bendiks <sup>4</sup> ; Natalia Gnatienco <sup>4</sup> ; Elena Blokhina <sup>5</sup> ; Evgeny M Krupitsky <sup>5</sup> ; Dmitry Lioznov <sup>6</sup> ; Craig J. McClain <sup>2</sup> ; Hilary Tindle <sup>4</sup> ; Matthew S. Freiberg <sup>4</sup> ; Shirish Barve <sup>2</sup> <i>Bekhterev Psychoneurological Research Institute</i> <sup>5</sup> , <i>First Pavlov State Medical University, St. Petersburg</i> <sup>6</sup> , <i>Graduate School</i> <sup>1</sup> , <i>Medicine</i> <sup>2</sup> , <i>Molecular Virology and Microbiology</i> <sup>3</sup> , and <i>School of Medicine</i> <sup>4</sup> . [2022]	GRD-22
Raph	Integrated redox sensitivity of vascular Kv1 channels. Sean Raph <sup>1</sup> ; Marc Dwenger <sup>1</sup> ; Matthew Nystoriak <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	GRD-23



Rasche	Investigating Roles of B cell Subsets in the Tumor Microenvironment of Lung Adenocarcinoma Patients. Kamille Rasche <sup>1</sup> ; David Tieri <sup>2</sup> ; Samantha Morrissey <sup>1</sup> ; Hong Li <sup>3</sup> ; Fan Zhang <sup>4</sup> ; William Gibson <sup>2</sup> ; Easton Ford <sup>1</sup> ; Melissa Smith <sup>2</sup> ; Jun Yan <sup>4</sup> ; Corey Watson <sup>2</sup> <i>Biochemistry and Molecular Genetics</i> <sup>2</sup> , <i>Medicine</i> <sup>3</sup> , <i>Microbiology &amp; Immunology</i> <sup>1</sup> , and <i>Surgery</i> <sup>4</sup> . [2022]	GRD-24
Reeves	Preclinical development of Epicertin: a novel mucosal healing agent for the treatment of ulcerative colitis. Micaela Reeves <sup>1</sup> ; Noel Verjan Garcia <sup>2</sup> ; Nobuyuki Matoba <sup>1</sup> <i>Brown Cancer Center</i> <sup>2</sup> , and <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	GRD-25
Sak	O6-methyl guanine methyltransferase (MGMT) enzyme plays a role in tumor cell response to alisertib and carboplatin treatment and is involved in in vivo tumor cell proliferation.. Müge Sak <sup>1</sup> ; Brian Williams <sup>2</sup> ; Andrew Hey <sup>2</sup> ; Leslie Schier <sup>2</sup> ; Norman Lehman <sup>2</sup> <i>Biochemistry and Molecular Genetics</i> <sup>1</sup> , and <i>Pathology &amp; Laboratory Medicine</i> <sup>2</sup> . [2022]	GRD-26
Sheneman	<i>Yersinia pestis</i> actively influences extracellular vesicle production by human Neutrophils. Katelyn Sheneman <sup>1</sup> ; Joshua Hood <sup>1</sup> ; Timothy Cummins <sup>1</sup> ; Julia Aebersold <sup>1</sup> ; Michael Merchant <sup>1</sup> ; Silvia Uriarte <sup>1</sup> ; Matthew Lawrenz <sup>1</sup> <i>Graduate School</i> <sup>1</sup> . [2022]	GRD-27
Shrader	Cannabidiol Alters Aberrant Immune Cell Populations in a Model of Idiopathic Autism Spectrum Disorder. Sarah Shrader <sup>1</sup> ; Nicholas Mellen <sup>1</sup> ; Gregory Barnes <sup>1</sup> ; Zhao-Hui Song <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	GRD-28
Sloan	Effect of Binge Alcohol on Alzheimer's Disease Pathogenesis in 3xTg Mice. Lucy Sloan <sup>1</sup> ; Paula Chilton <sup>2</sup> ; Yali Wang <sup>2</sup> ; Sreelatha Reddy <sup>2</sup> ; JingWen Zhang <sup>2</sup> ; Benjamin Charpentier <sup>3</sup> ; Scott Myers <sup>2</sup> ; Scott Whitemore <sup>3</sup> ; Walter Rodriguez <sup>2</sup> ; Leila Gobejishvili <sup>4</sup> ; Smita Ghare <sup>2</sup> ; Craig McClain <sup>2</sup> ; Shirish Barve <sup>2</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>3</sup> , <i>Medicine</i> <sup>2</sup> , <i>Pharmacology and Toxicology</i> <sup>1</sup> , and <i>Physiology</i> <sup>4</sup> . [2022]	GRD-29
Tarvestad	Loss of Cbl proteins enhances c-Met driven corneal epithelial wound healing. Kate Tarvestad <sup>1</sup> ; Brian Ceresa <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	GRD-30
Walls	Hepatic metabolism of heterocyclic amines contributes to induction of glucose production and gluconeogenic gene	GRD-31

	expression in hepatocytes. Kennedy Walls <sup>1</sup> ; Kyung Hong <sup>1</sup> ; David Hein <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	
Walter	Alcohol mediated suppression of hepatocyte mitogen-activated protein kinase phosphatase 1 (Mkp1) plays a pathogenic role on alcohol-induced liver injury. Mary Nancy Walter <sup>1</sup> ; Leila Gobejishvili <sup>1</sup> ; Walter Rodriguez <sup>1</sup> ; Yali Wang <sup>1</sup> ; JingWen Zhang <sup>2</sup> ; Sreelatha Reddy <sup>2</sup> ; Claudio Maldonado <sup>1</sup> ; Craig McClain <sup>2</sup> ; Shirish Barve <sup>2</sup> <i>Medicine</i> <sup>2</sup> , and <i>Physiology</i> <sup>1</sup> . [2022]	GRD-32
Warner	Bacterial Epoxide Hydrolase Gene Markers are Elevated in Human Alcohol-Associated Liver Disease. Jeffrey Warner <sup>1</sup> ; Josiah Hardesty <sup>1</sup> ; Ying Song <sup>1</sup> ; Craig McClain <sup>1</sup> ; Dennis Warner <sup>1</sup> ; Irina Kirpich <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	GRD-33
Wells	The fibroblast PEP cycle is critical for cardiac remodeling after MI. Collin Wells <sup>1</sup> ; Lindsey McNalley <sup>1</sup> ; Bradford Hill <sup>1</sup> ; Steven Jones <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	GRD-34
Whiddon	Neurons that innervate taste buds undergo rapid structural remodeling. Zachary Whiddon <sup>1</sup> ; Aaron McGee <sup>1</sup> ; Robin Krimm <sup>1</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>1</sup> . [2022]	GRD-35
Williams	Particulate Hexavalent Chromium Exposure Inhibits RAD51 Paralog Complex (BCDX2) Response in Human Lung Cells. Aggie Williams <sup>1</sup> ; Rachel Speer <sup>1</sup> ; Cynthia Browning <sup>1</sup> ; Idoia Meaza <sup>1</sup> ; Jennifer Toyoda <sup>1</sup> ; Sandra Wise <sup>1</sup> ; Calvin Kouokam <sup>1</sup> ; John Wise, Sr. <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	GRD-36
Woolley	Full-length mRNA sequencing resolves 5' UTR regions and suggests novel promoter usage in T cells. Cassandra Woolley <sup>1</sup> ; Thomas Mitchell <sup>1</sup> <i>Microbiology &amp; Immunology</i> <sup>1</sup> . [2022]	GRD-37
Xu	Metabolomics Analysis of Urine from Patients with Alcohol-Associated Liver Disease Reveals Dysregulated Caffeine Metabolism. Raobo Xu <sup>1</sup> ; Xiang Zhang <sup>1</sup> ; Liqing He <sup>1</sup> ; Vatsalya Vatsalya <sup>2</sup> ; Eugene G. Mueller <sup>1</sup> ; Wenke Feng <sup>2</sup> ; Seongho Kim <sup>3</sup> ; Craig J. McClain <sup>2</sup> ; Xipeng Ma <sup>1</sup> <i>Chemistry</i> <sup>1</sup> , <i>Medicine</i> <sup>2</sup> , and <i>Oncology</i> <sup>3</sup> . [2022]	GRD-38

### Basic Science Graduate Student—Masters

Benson	Establishing the Efficacy of non-Cellular Components of Adipose-Derived Stromal Vascular Fraction in Promoting Angiogenesis. Daniel Benson <sup>1</sup> ; Amanda LeBlanc <sup>2</sup> ; Jason	GRM-1
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	Beare <sup>2</sup> ; Marina Malovichko <sup>3</sup> <i>Bioengineering</i> <sup>1</sup> , <i>Biomedical Sciences</i> <sup>3</sup> , and <i>Cardiovascular and Thoracic Surgery</i> <sup>2</sup> . [2022]	
Bolatimi	Effects of zinc supplementation on high fat diet-induced non-alcoholic fatty liver disease. Oluwanifemi Esther Bolatimi <sup>1</sup> ; Jamie L. Young <sup>1</sup> ; Banrida Wahlang <sup>2</sup> ; Jianzhu Luo <sup>2</sup> ; Kimberly Z. Head <sup>2</sup> ; Tyler C. Gripshover <sup>1</sup> ; Qian Lin <sup>3</sup> ; Collin White <sup>2</sup> ; Ngozi V. Adiele <sup>1</sup> ; Walter H. Watson <sup>2</sup> ; Caitlin Wilkerson <sup>1</sup> ; Lu Cai <sup>3</sup> ; Matthew C. Cave <sup>2</sup> <i>Medicine</i> <sup>2</sup> , <i>Pediatrics</i> <sup>3</sup> , and <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	GRM-2
Cathey	Effects of Cadmium on Pulmonary Arterial Hypertension. Dakotah Cathey <sup>1</sup> ; Jun Cai <sup>2</sup> ; Yi Tan <sup>2</sup> ; Lu Cai <sup>2</sup> ; Jiapeng Huang <sup>3</sup> <i>Anesthesiology</i> <sup>3</sup> , <i>Pediatrics</i> <sup>2</sup> , and <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	GRM-3
Cecil	Biochemical Characterization of Epicertin Variants for Investigation of Wound Healing Mechanisms. Wendy Cecil <sup>1</sup> ; Nobuyuki Matoba <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	GRM-4
Connelly	Late Cretaceous mammals from Allen Formation (Patagonia, Argentina) and dryolestoid affinities.. Brigid Connelly <sup>1</sup> ; Guillermo Rougier <sup>1</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>1</sup> . [2022]	GRM-5
Doelling	Role of Endogenous Cardiac Myosin Activators in Heart Failure. Benjamin Doelling <sup>1</sup> ; Shahid Baba <sup>1</sup> ; Ibrahim Jouja <sup>2</sup> <i>Biochemistry and Molecular Genetics</i> <sup>1</sup> , and <i>Department of Biology</i> <sup>2</sup> . [2022]	GRM-6
Erickson	Examining the Role of Diet in Clostridioides difficile Infection. Daniel Erickson <sup>1</sup> ; Michelle Chua <sup>1</sup> ; James Collins <sup>1</sup> <i>Microbiology &amp; Immunology</i> <sup>1</sup> . [2022]	GRM-7
Hammouri	KDM5B as a potential regulator of epigenetic barrier of cardiomyocyte cell cycle Induction. Dana Hammouri <sup>1</sup> ; Abou Bakr Salama <sup>2</sup> ; Qinghui Ou <sup>2</sup> ; Ahmed Gibreil <sup>2</sup> ; Ghazal Sadri <sup>3</sup> ; Riham Abouleisa <sup>2</sup> ; Tamer Mohamed <sup>2</sup> <i>Biochemistry and Molecular Genetics</i> <sup>3</sup> , <i>Medicine</i> <sup>2</sup> , and <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	GRM-8
Isom	Identifying the Molecular Mechanisms Underlying the Alphavirus Capsid and IL-1 Receptor Associated Kinase Interface. Cierra Isom <sup>1</sup> ; V. Landers <sup>1</sup> ; Kevin Sokoloski <sup>1</sup> <i>Microbiology &amp; Immunology</i> <sup>1</sup> . [2022]	GRM-9

Karki	Impact of Translatability on The Function of Noncapped Genomic RNAs of Alphavirus. Deepa Karki <sup>1</sup> ; Kevin Sokoloski <sup>1</sup> <i>Microbiology &amp; Immunology</i> <sup>1</sup> . [2022]	GRM-10
Malkani	Focal Artery Intimal Proliferation in Absence of Alloreactivity or Surgical Trauma. Max Malkani <sup>1</sup> ; Jason Beare <sup>2</sup> ; Amanda LeBlanc <sup>2</sup> ; Christina Kaufman <sup>2</sup> <i>Cardiovascular and Thoracic Surgery</i> <sup>2</sup> , and <i>Physiology</i> <sup>1</sup> . [2022]	GRM-11
Mayer	Characterization of a High-Mannose-Binding Lectibody as a Novel Anti-Ovarian Cancer Therapeutic. Katarina Mayer <sup>1</sup> ; Noel Verjan-Garcia <sup>1</sup> ; Nobuyuki Matoba <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	GRM-12
Saha	Population genotyping of the germline immunoglobulin repertoire in AIDS-designated Rhesus macaque breeding colonies. Swati Saha <sup>1</sup> ; Corey watson <sup>1</sup> ; Mellisa Smith <sup>1</sup> ; Amit Upadhyay <sup>2</sup> ; Oscar Rodriguez <sup>1</sup> ; William Lees <sup>3</sup> ; Rohini Mopuri <sup>2</sup> ; Kirti Karunakaran <sup>2</sup> ; William Harvey <sup>4</sup> ; Kaitlyn Shields <sup>1</sup> ; Allison Silver <sup>1</sup> ; Stacey Lapp <sup>2</sup> ; Andy Lauer <sup>1</sup> ; Adam Ericson <sup>2</sup> ; Steven Bosinger <sup>2</sup> <i>Biochemistry and Molecular Genetics</i> <sup>1</sup> , <i>Department of Genome Sciences</i> <sup>4</sup> , <i>Institute of Structural and Molecular Biology, Birkbeck College</i> , <sup>3</sup> , and <i>Yerkes National Primate Research Center</i> <sup>2</sup> . [2022]	GRM-13
Vielee	The Tale of Heavy Metals in Aging: Cr(VI) Induces Senescence in DNA Damage Repair Deficient Cells. Samuel Vielee <sup>1</sup> ; Aggie Williams <sup>1</sup> ; Idoia Meaze <sup>1</sup> ; Jenny Toyoda <sup>1</sup> ; John Wise, Sr. <sup>1</sup> ; John Wise, Jr. <sup>2</sup> <i>Pediatrics</i> <sup>2</sup> , and <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	GRM-14
Wilkerson	Alcohol Activates Dgat2 through Alpha-4 Nicotinic Cholinergic Receptors in Hepatocytes. Caitlin Wilkerson <sup>1</sup> ; Walter Watson <sup>1</sup> ; Jianzhu Luo <sup>1</sup> ; Edilson Torres- Gonzalez <sup>2</sup> ; Jeffrey Ritzenthaler <sup>2</sup> ; Jesse Roman <sup>2</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> , and <i>Pulmonary, Allergy and Critical Care Medicine, Department of Medicine</i> <sup>2</sup> . [2022]	GRM-15
Williams	A multi-strain competitive fitness screen for tobacco-essential genes of <i>Porphyromonas gingivalis</i> . Jared Williams <sup>1</sup> ; Gwyneth Lamont <sup>1</sup> ; Jinlian Tan <sup>1</sup> ; David Scott <sup>1</sup> <i>Oral Immunology &amp; Infectious Diseases</i> <sup>1</sup> . [2022]	GRM-16

**Tuesday, 1:00 pm - 4:00 pm**

<b>Case Report</b>		
Anderson	Renal Vein Leiomyosarcoma in a 77-year-old Male. Ryan Anderson <sup>1</sup> ; Lindsay Everett <sup>1</sup> ; Andrew Cullett <sup>1</sup> ; Tracy VanMeter <sup>1</sup> <i>Radiology</i> <sup>1</sup> . [2022]	CR-1
Archer	High index of clinical suspicion for a spontaneous uterine rupture in the early second trimester. Luke Archer <sup>1</sup> ; Ryan Anderson <sup>1</sup> ; Amber Neal <sup>2</sup> ; Kevin Marques <sup>2</sup> ; Robert Townsend <sup>3</sup> ; Alexandria Connor <sup>2</sup> <i>Medicine</i> <sup>1</sup> , <i>Obstetrics, Gynecology &amp; Women's Health</i> <sup>2</sup> , and <i>Radiology</i> <sup>3</sup> . [2022]	CR-2
Ghani	Miller Fisher Syndrome With An Atypical Presentation. Mohammad Ghani <sup>1</sup> ; Muhammad Yousaf <sup>1</sup> ; Nicholas Kemper <sup>2</sup> ; Rolando Cordoves Feria <sup>1</sup> ; Martin Brown <sup>1</sup> <i>Graduate School</i> <sup>2</sup> , and <i>Neurology</i> <sup>1</sup> . [2022]	CR-3
Johnson	Symptomatic Ureterocele in 60-year-old woman: Surgical Management of Adult Ureterocele. Sarah Johnson <sup>1</sup> ; Samuel Huff <sup>1</sup> ; Thomas Barefoot <sup>1</sup> ; Kellen Choi <sup>1</sup> <i>Urology</i> <sup>1</sup> . [2022]	CR-4
Khurana	A rare case of right superior vena cava opening into left atrium with associated persistent left superior vena cava draining into right atrium. Shriya Khurana <sup>1</sup> ; Pranav Pillai <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	CR-5
Phillips	Stress Cardiomyopathy due to Chest Wall Trauma. Lauren Phillips <sup>1</sup> ; Jeffrey Spindel <sup>1</sup> ; Sarabjeet Suri <sup>1</sup> ; Shahab Ghafghazi <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	CR-6
Rodrigues	Use of Ventriculoperitoneal Shunt for Treatment of Refractory Epilepsy. Roysten Rodrigues <sup>1</sup> ; Shriya Khurana <sup>2</sup> ; Vishwanath Sagi <sup>1</sup> <i>Medicine</i> <sup>2</sup> , and <i>Neurology</i> <sup>1</sup> . [2022]	CR-7
Tarter	A Difficult Airway in a Penetrating Trauma. Zachary Tarter <sup>1</sup> ; Mohamad Babi <sup>1</sup> ; Travis Shutt <sup>1</sup> ; Jeffery Jorgensen <sup>1</sup> <i>Otolaryngology Head and Neck Surgery and Communicative Disorders</i> <sup>1</sup> . [2022]	CR-8

<b>Medical Student</b>		
Alcorn	Outcomes of Thoracic Vascular Injuries Related to Gunshot Wounds. Katelyn Alcorn <sup>1</sup> ; Kayla LaRue <sup>1</sup> ; Joshua C. Hill <sup>1</sup> ; Nicholas W. Kemper <sup>1</sup> ; Rebecca Guan <sup>1</sup> ; Henderson M. Jones, MD, JD <sup>2</sup> ; Keith R. Miller, MD <sup>3</sup> ; Jonathan K. Joshi, MD <sup>2</sup> <i>Graduate School</i> <sup>1</sup> , <i>Radiology</i> <sup>2</sup> , and <i>Surgery</i> <sup>3</sup> . [2022]	MED-1

Aldrich	Describing disparities in Gestational Diabetes Management in West End of Louisville. V. Ramsey Aldrich <sup>1</sup> ; Emily Root <sup>1</sup> ; Meghan Lazenby <sup>1</sup> ; Edward Miller <sup>1</sup> <i>Obstetrics, Gynecology &amp; Women's Health</i> <sup>1</sup> . [2022]	MED-2
Alexander	Voices of Black Women: How Does Gendered Racism Manifest in Academic Medicine?. Rachelle Alexander <sup>1</sup> ; Kiana Fields, MS <sup>2</sup> ; Darin Latimore, MD <sup>3</sup> ; Sherree Wilson, PhD <sup>4</sup> ; Diane Whitlock <sup>2</sup> ; V. Faye Jones, MD, PhD <sup>2</sup> <i>Diversity and Inclusion</i> <sup>2</sup> , <i>Medicine</i> <sup>1</sup> , <i>Office of Diversity and Inclusion</i> <sup>3</sup> , and <i>Office of Diversity, Equity, and Inclusion</i> <sup>4</sup> . [2022]	MED-3
Alluri	A Novel Online Curriculum on Caring for Homeless Patients. Satya Alluri <sup>1</sup> ; Dwayne Compton <sup>2</sup> ; Savanna Holland <sup>2</sup> ; Luke Johnson <sup>2</sup> <i>Graduate School</i> <sup>2</sup> , and <i>Medicine</i> <sup>1</sup> . [2022]	MED-4
Crafton	Cessation of Antiplatelet Therapy After Venous Sinus Stenting for Idiopathic Intracranial Hypertension: Long-Term Outcomes. Christopher Crafton <sup>1</sup> ; Dale Ding <sup>1</sup> <i>Neurological Surgery</i> <sup>1</sup> . [2022]	MED-5
Delong	Growth Strategy of Children's Hospital of Philadelphia. Courtney Delong <sup>1</sup> ; Anthony Filson <sup>1</sup> ; Kayla LaRue <sup>1</sup> ; Christian Flynn <sup>1</sup> ; In Kim <sup>1</sup> ; Beth Spurlin <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-6
Desai	A Financial and Operational Model for a Pediatric Palliative Care Service Line. Medha Desai <sup>1</sup> ; Christian Flynn <sup>1</sup> ; Fatai Olorunsola <sup>1</sup> ; Riley Wilkinson <sup>1</sup> ; Nicholas Yates <sup>1</sup> ; Beth Spurlin <sup>1</sup> ; In Kim <sup>1</sup> <i>Pediatrics</i> <sup>1</sup> . [2022]	MED-7
Dillon	Medical Students Use Online Provided Study Resources more than School for Step Preparation. John Dillon <sup>1</sup> ; Lorrel Toft <sup>2</sup> ; Paul Chang <sup>2</sup> <i>Department of Cardiology</i> <sup>2</sup> , and <i>Medicine</i> <sup>1</sup> . [2022]	MED-8
Dodd	Pancreatic Gunshot Wounds in Louisville, Kentucky - Classification of Imaging, Management, and Outcomes. Brandon Dodd <sup>1</sup> ; Nicholas Kemper <sup>1</sup> ; Rebecca Guan <sup>1</sup> ; Henderson Jones <sup>1</sup> ; Keith Miller <sup>1</sup> ; Jonathan Joshi <sup>1</sup> <i>Radiology</i> <sup>1</sup> . [2022]	MED-9
Duncan	Betanin, a Beetroot-derived Food Colorant, Decreases Cr(VI)-induced Toxicity in Human Lung Fibroblasts by Relieving Oxidative Stress. Anna Duncan <sup>1</sup> ; Samuel Oyeleye <sup>2</sup> ; John Wise <sup>1</sup> ; Calvin Kouokam <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> , and <i>Psychological and Brain Sciences</i> <sup>2</sup> . [2022]	MED-10

Elmore	Bladder and Urethral Gunshot Wounds - Characterization of Imaging, Management, and Outcomes. Caleb Elmore <sup>1</sup> ; Minh Tran <sup>1</sup> ; Nicholas W. Kemper <sup>2</sup> ; Rebecca Guan <sup>2</sup> ; Henderson M. Jones <sup>2</sup> ; Keith R. Miller <sup>3</sup> ; Jonathan K. Joshi <sup>2</sup> <i>Medicine</i> <sup>1</sup> , <i>Radiology</i> <sup>2</sup> , and <i>Surgery</i> <sup>3</sup> . [2022]	MED-11
Fears	Preparation for Identifying Rho1-2 off target effects in hRho/P23H hRHO containing cells. Molly Fears <sup>1</sup> ; Ronald Gregg <sup>1</sup> ; Archana Jalligampala <sup>2</sup> ; Mattia Di Paolo <sup>2</sup> ; Olivia Jacobs <sup>2</sup> <i>Biochemistry and Molecular Genetics</i> <sup>1</sup> , and <i>Ophthalmology &amp; Visual Sciences</i> <sup>2</sup> . [2022]	MED-12
Feist	Assessing visual behavior after gene therapy in a pig model of autosomal dominant retinitis pigmentosa - tracking foot position. Jack Feist <sup>1</sup> ; Kautuk Kamboj <sup>1</sup> ; Archana Jalligampala <sup>1</sup> ; Maureen McCall <sup>1</sup> <i>Ophthalmology &amp; Visual Sciences</i> <sup>1</sup> . [2022]	MED-13
Filson	A Meta-Analysis and Systematic Review of Intraoperative Bile Cultures Association with Postoperative Complications in Pancreaticoduodenectomy. Anthony Filson <sup>1</sup> ; Robert Martin II <sup>1</sup> ; Jeremy Gaskins <sup>1</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>1</sup> . [2022]	MED-14
Gaines	Lung Gun Shot Wounds- Characterization of Management, Imaging, and Outcomes. Macgill Gaines <sup>1</sup> ; Nicholas Kemper <sup>1</sup> ; Rebecca Guan <sup>1</sup> ; Henderson Jones <sup>1</sup> ; Keith Miller <sup>2</sup> ; Jonathan Joshi <sup>1</sup> <i>Radiology</i> <sup>1</sup> , and <i>Surgery</i> <sup>2</sup> . [2022]	MED-15
Garner	Bridging the Gap between Medical Students' Mathematical Anxiety and Biostatistics Learning. Cameron Garner <sup>1</sup> ; Laura Weingartner <sup>1</sup> ; Michelle Stevenson <sup>2</sup> ; Jennifer Brueckner-Collins <sup>3</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>3</sup> , <i>Emergency Medicine</i> <sup>2</sup> , and <i>Medicine</i> <sup>1</sup> . [2022]	MED-16
Graves	Factors Influencing Knowledge of HPV Among Cervical Cancer Survivors. Danielle Graves <sup>1</sup> ; Dr. Kathy Baumgartner PhD <sup>1</sup> ; Dr. Stephanie Boone PhD <sup>1</sup> ; Dr. Richard Baumgartner PhD <sup>1</sup> <i>Epidemiology &amp; Population Health</i> <sup>1</sup> . [2022]	MED-17
Guenther	A Computational Framework to Investigate Microbial Omega-3 Fatty Acid Desaturases in the Human Gut Microbiome: Effect of Chronic Alcohol Consumption. Steven Guenther <sup>1</sup> ; Jeffrey Warner <sup>1</sup> ; Josiah Hardesty <sup>1</sup> ; Dennis Warner <sup>1</sup> ; Irina Kirpich <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-18
Hill	Characteristic Injuries Associated With Orbital Fractures Resulting From Gunshot Wounds. Joshua C. Hill <sup>1</sup> ; Katelyn E. Alcorn <sup>1</sup> ; Kayla LaRue <sup>1</sup> ; Nicholas W. Kemper <sup>1</sup> ; Rebecca	MED-19

	Guan <sup>1</sup> ; Henderson M. Jones MD, JD <sup>2</sup> ; Keith R. Miller <sup>3</sup> ; Jonathan K. Joshi <sup>2</sup> <i>Graduate School<sup>1</sup>, Radiology<sup>2</sup>, and Surgery<sup>3</sup></i> . [2022]	
Hollanad	Scrotal Gun Shot Wounds in Louisville, Kentucky. Derek Hollanad <sup>1</sup> ; Henderson Jones <sup>2</sup> ; Jonathan Joshi <sup>1</sup> ; Wil Scott <sup>1</sup> ; Rebecca Guan <sup>1</sup> ; Nic Kemper <sup>1</sup> ; Keith Miller <sup>3</sup> <i>Graduate School<sup>1</sup>, Radiology<sup>2</sup>, and Surgery<sup>3</sup></i> . [2022]	MED-20
Howser	Regulation of the Serine Synthesis Pathway by miRNAs in Endocrine-Resistant Breast Cancer Cells. Alexa Howser <sup>1</sup> ; Belinda Petri <sup>1</sup> ; Kellianne Piell <sup>1</sup> ; Brian Clem <sup>1</sup> ; Carolyn Klinge <sup>1</sup> <i>Biochemistry and Molecular Genetics<sup>1</sup></i> . [2022]	MED-21
Isibor	Assessing the Neurotoxicity of Hexavalent Chromium [Cr(VI)] on the Rat Brain. Jessica Isibor <sup>1</sup> ; Samuel Vielee <sup>1</sup> ; Maitri Patel <sup>1</sup> ; John Wise, Jr. <sup>1</sup> <i>Pharmacology and Toxicology<sup>1</sup></i> . [2022]	MED-22
Jacobs	Analysis of Adrenal Gland Trauma Secondary to Gunshot Injuries. Ryan Jacobs <sup>1</sup> ; Nicholas Kemper <sup>1</sup> ; Rebecca Guan <sup>1</sup> ; Henderson Jones <sup>1</sup> ; Keith Miller <sup>2</sup> ; Jonathan Joshi <sup>1</sup> <i>Radiology<sup>1</sup>, and Surgery<sup>2</sup></i> . [2022]	MED-23
Johnson	Visual Arts in Medical Education: Three-Dimensional Anatomic Model of the Pelvis and Perineum. Megan Johnson <sup>1</sup> ; Brian Davis <sup>1</sup> ; Jennifer Brueckner <sup>1</sup> ; Emily Porta <sup>1</sup> <i>Anatomical Sciences &amp; Neurobiology<sup>1</sup></i> . [2022]	MED-24
Kabithe	Depressive Symptom's Impact on Inflammation in Head and Neck Cancer Patients. Alyssa Kabithe <sup>1</sup> ; Iona Palmer <sup>1</sup> ; Baylee Polzin <sup>1</sup> ; Liz Cash <sup>1</sup> ; Christina Albert <sup>1</sup> <i>Otolaryngology Head and Neck Surgery and Communicative Disorders<sup>1</sup></i> . [2022]	MED-25
LaRue	Role of Imaging modalities in diagnosis of perineural invasion of facial and trigeminal nerves from cutaneous squamous cell carcinoma lesion. Kayla LaRue <sup>1</sup> ; Kwaku Obeng <sup>2</sup> ; Mahesh Kudrimoti <sup>2</sup> ; Katelyn Alcorn <sup>1</sup> <i>Graduate School<sup>1</sup>, and Radiology<sup>2</sup></i> . [2022]	MED-26
Lawson	The Impact of Virtual Demands on Dry Eye Symptoms among Medical Students at the University of Louisville School of Medicine During the COVID-19 Pandemic. Mojisola Lawson <sup>1</sup> ; Airada Bricker <sup>1</sup> ; Shorye Durrett <sup>1</sup> <i>Dean's Office<sup>1</sup></i> . [2022]	MED-27
Mitchell	Promoting Early Literacy in Prenatally Diagnosed Pediatric Cardiology Patients "Heart of a Bookworm". Leah Mitchell <sup>1</sup> ; Allison Black <sup>1</sup> ; Ashley Rhinehart <sup>1</sup> ; Stacie	MED-28



	Hartlage <sup>1</sup> ; Ashely Eastman <sup>1</sup> ; Natalie Henderson <sup>1</sup> ; Brian Holland <sup>1</sup> ; Lucinda Wright <sup>1</sup> ; Jyothi Matta <sup>1</sup> ; Lisa Klein <sup>1</sup> ; Adam Skaff <sup>1</sup> <i>Pediatrics</i> <sup>1</sup> . [2022]	
Myers	Cardiac Gunshot Wounds: A study of radiological imaging, wound characterization, and patient outcomes. Alex Myers <sup>1</sup> ; Nicholas Kemper <sup>1</sup> ; Rebecca Guan <sup>1</sup> ; Henderson Jones <sup>1</sup> ; Keith Miller <sup>1</sup> ; Johnathan Joshi <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-29
Nadakal	HIV SMRTcap: High Resolution Characterization of the HIV-1 Viral Reservoir across Subtypes and Tissue Samples. Steven Nadakal <sup>1</sup> ; Justin Kos <sup>2</sup> ; David Sachs <sup>3</sup> ; Parmit Singh <sup>4</sup> ; William Lauer <sup>2</sup> ; Jingo Kasule <sup>5</sup> ; Susan Morgello <sup>6</sup> ; Jessica Prodder <sup>7</sup> ; Alan Engelman <sup>4</sup> ; Andrew Redd <sup>8</sup> ; Melissa Smith <sup>2</sup> <i>Biochemistry and Molecular Genetics</i> <sup>2</sup> , <i>Department of Genomic Sciences</i> <sup>3</sup> , <i>Department of Medicine</i> <sup>4</sup> , <i>Department of Microbiology and Immunology</i> <sup>7</sup> , <i>Department of Neurology</i> <sup>6</sup> , <i>Division of Intramural Research</i> <sup>8</sup> , <i>Medicine</i> <sup>1</sup> , and <i>Rakai Health Sciences Program</i> <sup>5</sup> . [2022]	MED-30
Naidugari	Medical Student Perceptions of Gender Diversity in Patient Simulation. Janki Naidugari <sup>1</sup> ; Emily Noonan <sup>1</sup> ; Carrie Bohnert <sup>1</sup> ; Ryan Combs <sup>1</sup> ; Laura Weingartner <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-31
Noa de la Paz	The Obstetric Response to the Opioid Epidemic. Melisa Noa de la Paz <sup>1</sup> ; Molly Tuller <sup>1</sup> <i>Obstetrics, Gynecology &amp; Women's Health</i> <sup>1</sup> . [2022]	MED-32
Olorunsola MHS	Evaluating the SNMA/AMA Medical Expo Pilot Program on Pre-Medical School Applicant Preparedness. Fatai Olorunsola MHS <sup>1</sup> ; Onyee Ibekwe <sup>1</sup> ; Lisa Anakwenze MPH, MS <sup>1</sup> ; Moji Lawson MS <sup>1</sup> ; Dr. Dwayne Compton Ed.D, M.Ed. <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-33
Osborne	Non-Ablatable/Resection Recurrence Failure after First Treatment in Hepatocellular Carcinoma (HCC). William Osborne <sup>1</sup> ; Robert Martin <sup>2</sup> <i>Medicine</i> <sup>1</sup> , and <i>Surgery</i> <sup>2</sup> . [2022]	MED-34
Palmer	Associations Between The Systemic Immune-Inflammation Index And Tumor Response In Patients With Head And Neck Cancers. Iona Palmer <sup>1</sup> ; Alyssa Kabithe <sup>1</sup> ; Baylee Polzin <sup>1</sup> ; Christina Albert <sup>1</sup> ; Elizabeth Cash <sup>1</sup> <i>Otolaryngology Head and Neck Surgery and Communicative Disorders</i> <sup>1</sup> . [2022]	MED-35
Perez	Medical Student Perceptions of Wellness Programming. Alex Perez <sup>1</sup> ; Laura Weingartner <sup>1</sup> ; M. Anne Shaw <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-36

Polzin	Depressive Symptoms and Tumor Response Among Head and Neck Cancer Patients. Baylee Polzin <sup>1</sup> ; Alyssa W. Kabithe <sup>1</sup> ; Iona Palmer <sup>1</sup> ; Christina L. Albert <sup>1</sup> ; Elizabeth Cash <sup>1</sup> <i>Otolaryngology Head and Neck Surgery and Communicative Disorders</i> <sup>1</sup> . [2022]	MED-37
Scott	Penile Gunshot Wounds - Analysis of Imaging and Management. Wil Scott <sup>1</sup> ; Derek Holland <sup>1</sup> ; Nicholas W. Kemper <sup>1</sup> ; Rebecca Guan <sup>1</sup> ; Henderson M. Jones, MD, JD <sup>1</sup> ; Keith R. Miller, MD <sup>2</sup> ; Jonathan K. Joshi, MD <sup>1</sup> <i>Radiology</i> <sup>1</sup> , and <i>Surgery</i> <sup>2</sup> . [2022]	MED-38
Smith	Formulating a Novel Risk of Bias Assessment for an Environmental Public Health Systematic Review. Benjamin Smith <sup>1</sup> ; Steven Nadakal <sup>1</sup> ; Bethany Hodge <sup>1</sup> ; Rochelle H. Holm <sup>2</sup> <i>Christina Lee Brown Envirome Institute</i> <sup>2</sup> , and <i>Medicine</i> <sup>1</sup> . [2022]	MED-39
Smith	Frequency of Noise Exposure and Associated Cardiovascular Risk. Tanner Smith <sup>1</sup> ; Madison Cicha <sup>2</sup> ; Aruni Bhatnagar <sup>1</sup> ; Ray Yeager <sup>1</sup> <i>Biology</i> <sup>2</sup> , and <i>Medicine</i> <sup>1</sup> . [2022]	MED-40
Thompson	GSW Trauma in the Pregnant Patient: A Case Series. Hanna Thompson <sup>1</sup> ; Rebecca Guan <sup>1</sup> ; Nicholas Kemper <sup>1</sup> ; Henderson M. Jones, M.D., J.D. <sup>1</sup> ; Keith Miller, M.D. <sup>1</sup> ; Jonathan K. Joshi <sup>1</sup> <i>Radiology</i> <sup>1</sup> . [2022]	MED-41
Udoh	Environmental Exposures of Ambient Arsenic: Examining the Odds of Residing in a Breast or Colorectal Cancer Hotspot in Kentucky. Karen Udoh <sup>1</sup> ; Madeline Tomlinson <sup>2</sup> ; Johnnie Newton <sup>2</sup> ; Felicia Pugh <sup>2</sup> ; Matthew Ruther <sup>3</sup> ; Tyler Ellis <sup>1</sup> ; Natalie DuPre <sup>2</sup> <i>Epidemiology &amp; Population Health</i> <sup>2</sup> , <i>Medicine</i> <sup>1</sup> , and <i>Urban and Public Affairs</i> <sup>3</sup> . [2022]	MED-42
Wadhwa	Risk Of Recurrence Drives The Cost-Effectiveness Decision-Making For Adjuvant Immunotherapy For Melanoma. Shruti Wadhwa <sup>1</sup> ; Natalie West <sup>1</sup> ; Prejesh Phillips <sup>1</sup> ; Robert Martin <sup>1</sup> ; Charles Scoggins <sup>1</sup> ; Kelly McMasters <sup>1</sup> ; Michael Egger <sup>1</sup> <i>Surgery</i> <sup>1</sup> . [2022]	MED-43
West	Incidence Of Interval Sentinel Lymph Nodes With The Use Of Routine Lymphoscintigraphy In Extremity Melanoma. Natalie West <sup>1</sup> ; Shruti Wadhwa <sup>1</sup> ; Prejesh Philips <sup>1</sup> ; Robert Martin <sup>1</sup> ; Charles Scoggins <sup>1</sup> ; Kelly McMasters <sup>1</sup> ; Michael Egger <sup>1</sup> <i>Surgery</i> <sup>1</sup> . [2022]	MED-44
Willis	Comparison of Biological Aging and Susceptibility to the Common Cold. Dawson Willis <sup>1</sup> ; Victor van Berkel <sup>2</sup> <i>Medicine</i> <sup>1</sup> , and <i>Surgery</i> <sup>2</sup> . [2022]	MED-45

### Medical Student - Distinction Track

Anakwenze	Caged Bird: Bluelining and Medicine Advocacy Workshop. Lisa Anakwenze <sup>1</sup> ; Onyee Ibekwe <sup>1</sup> ; Juliana Cobb <sup>1</sup> ; Danielle Graves <sup>1</sup> ; Anna Bowling <sup>1</sup> ; Luke Johnson <sup>1</sup> ; Jennifer Daily <sup>1</sup> <i>Family and Geriatric Medicine</i> <sup>1</sup> . [2022]	MED-DT-1
Augenstein	Chronic Arsenic Exposure Inhibits Both Autophagy and Proteasomal Protein Degradation in Human Keratinocytes. Isabell Augenstein <sup>1</sup> ; Mayukh Banerjee <sup>2</sup> ; Alexandra N. Nail <sup>2</sup> ; Ana P. Ferragut Cardoso <sup>2</sup> ; J. Christopher States <sup>2</sup> <i>Medicine</i> <sup>1</sup> , and <i>Pharmacology and Toxicology</i> <sup>2</sup> . [2022]	MED-DT-2
Batista Torres	Wnt10b drives T-cell differentiation in human peripheral T lymphocytes from melanoma patients. Ramon Batista Torres <sup>1</sup> ; Hongying Hao <sup>1</sup> ; Kelly McMasters <sup>1</sup> ; Chuanlin Ding <sup>1</sup> ; Austin McMasters <sup>1</sup> <i>Surgery</i> <sup>1</sup> . [2022]	MED-DT-3
Bricker	Implications of a Growth versus a Fixed Mindset in the Gross Anatomy Laboratory Experience. Airada Bricker <sup>1</sup> ; Jennifer Brueckner-Collins <sup>2</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>2</sup> , and <i>Medicine</i> <sup>1</sup> . [2022]	MED-DT-4
Cahill	Mechanism of Hexavalent Chromium Carcinogenesis: The Unloading of Cohesin from Chromatin. Caitlin Cahill <sup>1</sup> ; Idoia Meaza Isusi <sup>1</sup> ; John Pierce Wise, Sr. <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	MED-DT-5
Chen	Differential Functional Responses of Neutrophil Subsets in Severe COVID-19 Patients. Oscar Chen <sup>1</sup> ; Jun Yan <sup>2</sup> ; Kenneth McLeish <sup>3</sup> ; Jiapeng Huang <sup>3</sup> <i>Anesthesiology</i> <sup>1</sup> , <i>Medicine</i> <sup>3</sup> , and <i>Microbiology &amp; Immunology</i> <sup>2</sup> . [2022]	MED-DT-6
Chhachhi	Brocher Declaration in practice-Broad-based evidence from organizations sponsoring international medical trips. Sneha Chhachhi <sup>1</sup> ; Sheridan Langford, MD <sup>1</sup> ; Bethany Hodge, MD <sup>1</sup> <i>Pediatrics</i> <sup>1</sup> . [2022]	MED-DT-7
Clements	Combined pre-operative risk score predicts pancreatic leak after pancreatic resection. Noah Clements <sup>1</sup> ; Robert Martin <sup>2</sup> <i>Medicine</i> <sup>1</sup> , and <i>Surgery</i> <sup>2</sup> . [2022]	MED-DT-8
Cox	Development of B7-H3 PET Imaging Biomarker for Cancer Immunotherapy. Raven Cox <sup>1</sup> ; Abubakar Abubakar <sup>1</sup> ; Haixun Guo <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-DT-9
Do	ZEB1 Regulation of Myeloid Leukocytes in Corneal Inflammatory Response to Alkali-Burn. Khoi Do <sup>1</sup> ; Yingnan Zhang <sup>2</sup> ; Xiaoqin Lu <sup>2</sup> ; Daniel Jiang <sup>2</sup> ; Christopher Qu <sup>2</sup> ; John	MED-DT-10

	Liu <sup>2</sup> ; Douglas Dean <sup>2</sup> ; Yongqing Liu <sup>2</sup> <i>Medicine</i> <sup>1</sup> , and <i>Ophthalmology &amp; Visual Sciences</i> <sup>2</sup> . [2022]	
Edwards	Computerized Navigation Resection of Simulated Bony Tumors Using Skin Fiducials and K-Wires: An In Vitro Cadaveric Study. Campbell Edwards <sup>1</sup> ; John Whitaker <sup>2</sup> ; Shikha Sachdeva <sup>2</sup> ; Tolani Are <sup>1</sup> ; Rodolfo Zamora <sup>2</sup> <i>Medicine</i> <sup>1</sup> , and <i>Orthopedics</i> <sup>2</sup> . [2022]	MED-DT-11
Eichinger	Type and Timing of Interventions for Gunshot Wound Injuries to Cervical Vasculature. Justin Eichinger <sup>1</sup> ; Nicholas Kemper <sup>1</sup> ; Henderson Jones <sup>1</sup> ; Jonathan Joshi <sup>1</sup> ; Rebecca Guan <sup>1</sup> ; Keith Miller <sup>2</sup> <i>Radiology</i> <sup>1</sup> , and <i>Surgery</i> <sup>2</sup> . [2022]	MED-DT-12
Fell	The Association Between Ambient Temperature and Cardiovascular Disease Outcomes: A Review. Claire Fell <sup>1</sup> ; Natasha DeJarnett <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-DT-13
Fielder	Baclofen Effects on Swallow. Nathan Fielder <sup>1</sup> ; Michael Frazure <sup>2</sup> ; Teresa Pitts <sup>3</sup> <i>Medicine</i> <sup>1</sup> , <i>Neurological Surgery</i> <sup>3</sup> , and <i>Physiology</i> <sup>2</sup> . [2022]	MED-DT-14
Forry	Assessment of radiation toxicities following tandem and ovoid brachytherapy. Bryce Forry <sup>1</sup> ; Vishwa Shah <sup>2</sup> ; Salman Syed <sup>1</sup> ; Andres Portocarrero Bonifaz <sup>1</sup> ; Scott Silva <sup>1</sup> <i>Obstetrics, Gynecology &amp; Women's Health</i> <sup>2</sup> , and <i>Radiation Oncology</i> <sup>1</sup> . [2022]	MED-DT-15
Fryar	Electronic Cigarettes: The Role of Formaldehyde and the Transient Receptor Potential Ankyrin-1 in Endothelial Dysfunction in Mice. Laura Fryar <sup>1</sup> ; Lexiao Jin <sup>2</sup> ; Daniel J. Conklin <sup>1</sup> <i>Christina Lee Brown Envirome Institute</i> <sup>2</sup> , and <i>Medicine</i> <sup>1</sup> . [2022]	MED-DT-16
Furtado	Patient-simulated cases increase confidence of residents when managing adverse events related to radiological procedures. Wilfred Furtado <sup>1</sup> ; Andrew Cullet <sup>1</sup> ; Jonathan Joshi <sup>1</sup> ; Tracy Van Meter <sup>1</sup> <i>Radiology</i> <sup>1</sup> . [2022]	MED-DT-17
Gollamudi	The Effects of Tender Coconut Water on Menadione Induced Apoptosis in Primary Rat Hepatocytes. Anusha Gollamudi <sup>1</sup> ; Brian Harbrecht <sup>2</sup> ; Jaganathan Lakshmanan <sup>2</sup> ; Baochun Zhang <sup>2</sup> <i>Medicine</i> <sup>1</sup> , and <i>Surgery</i> <sup>2</sup> . [2022]	MED-DT-18
Guan	Liver Lacerations from Gun Shot Wounds in Louisville, Kentucky. Rebecca Guan <sup>1</sup> ; Nicholas W. Kemper <sup>1</sup> ; Caleb Elmore <sup>1</sup> ; Minh Tran <sup>1</sup> ; Henderson M. Jones <sup>2</sup> ; Keith R. Miller <sup>3</sup> ; Jonathan K. Joshi <sup>2</sup> <i>Medicine</i> <sup>1</sup> , <i>Radiology</i> <sup>2</sup> , and <i>Surgery</i> <sup>3</sup> . [2022]	MED-DT-19

Haq	The Effects of Diabetes and Exercise on the Renal Epitranscriptome. Mohammad Haq <sup>1</sup> ; Michelle Barati <sup>1</sup> ; Madhavi Rane <sup>1</sup> ; Liqing He <sup>2</sup> ; Xiang Zhang <sup>2</sup> ; Jason Hellmann <sup>1</sup> ; Ernesto Calderin <sup>1</sup> ; Carolyn Klinge <sup>3</sup> ; Kellianne Piell <sup>3</sup> ; Michael Merchant <sup>1</sup> <i>Biochemistry and Molecular Genetics</i> <sup>3</sup> , <i>Chemistry</i> <sup>2</sup> , and <i>Medicine</i> <sup>1</sup> . [2022]	MED-DT-20
Holland	Sociodemographic Characteristics of Patients Undergoing Surgery for Metastatic Spine Disease. Joseph Holland <sup>1</sup> ; Dagoberto Piña <sup>1</sup> ; Venina Kalistratova <sup>1</sup> ; Zachary Boozé <sup>1</sup> ; Joseph Wick <sup>1</sup> ; Wyatt Voort <sup>1</sup> ; Yashar Javidan <sup>1</sup> ; Rolando Roberto <sup>1</sup> ; Hai Le <sup>1</sup> <i>Orthopedics</i> <sup>1</sup> . [2022]	MED-DT-21
Huffines	Cervical Cancer Screening Facilitators and Barriers in Sexual and Gender Minorities: Stakeholders' Perspectives . Rhiannon Huffines <sup>1</sup> ; Mollie Aleshire <sup>2</sup> ; Xian Brooks <sup>2</sup> ; Shuying Sha <sup>2</sup> ; Ryan Combs <sup>3</sup> ; Jennifer Hatcher <sup>4</sup> <i>Community Outreach and Engagement</i> <sup>4</sup> , <i>Health Promotion &amp; Behavioral Sciences</i> <sup>3</sup> , <i>Medicine</i> <sup>1</sup> , and <i>School of Nursing</i> <sup>2</sup> . [2022]	MED-DT-22
Ibekwe	Efficacy of a cultural educational intervention to increase knowledge, awareness and self-reported proficiency of obstetric nurses giving care to laboring and peripartum Somali mothers in Louisville KY. Onyee Ibekwe <sup>1</sup> ; Kara-Beth Thompson, MD <sup>2</sup> ; Bethany Hodge, MD, MPH <sup>2</sup> <i>Medicine</i> <sup>2</sup> , and <i>Obstetrics, Gynecology &amp; Women's Health</i> <sup>1</sup> . [2022]	MED-DT-23
Jin	Post COVID-19 tuberculosis reactivation in a fully treated patient: A case report. Choongwon Jin <sup>1</sup> ; Mohamad Aldaas <sup>1</sup> ; Forest Arnold <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-DT-24
Kannan	Differential Scanning Calorimetry as a Complementary Diagnostic Tool for Frailty Assessment. Manasaa Kannan <sup>1</sup> ; Nichola Garbett <sup>1</sup> ; Guy Brock <sup>2</sup> ; Gabriela Schneider <sup>1</sup> ; Alagammai Kaliappan <sup>1</sup> <i>Department of Biomedical Informatics</i> <sup>2</sup> , and <i>Medicine</i> <sup>1</sup> . [2022]	MED-DT-25
Kemper	Confirmation of Hepatic Hydrothorax using Scintigraphic Shunt Studies. Nicholas Kemper <sup>1</sup> ; Henderson Jones <sup>1</sup> ; Nana Ohene-Baah <sup>1</sup> ; Bryan Glaenzer <sup>1</sup> <i>Radiology</i> <sup>1</sup> . [2022]	MED-DT-26
Lightman	Neutrophil Granule Proteins as Potential Urinary Biomarkers in Lupus Nephritis. Rebecca Lightman <sup>1</sup> ; Makayla Brady <sup>1</sup> ; Shweta Tandon <sup>1</sup> ; Dawn Caster <sup>1</sup> ; David Powell <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-DT-27
Long	Predicting COVID-19 Positivity Using Breath Samples. Grace Long <sup>1</sup> ; Jiapeng Huang <sup>1</sup> ; Xiao-An Fu <sup>1</sup> ; Ayman El-	MED-DT-28

	Baz <sup>1</sup> ; ZhenZhen Xie <sup>1</sup> ; Elizabeth Cooke <sup>1</sup> ; James Morris <sup>1</sup> ; Shavonne Silvers <sup>1</sup> <i>Anesthesiology</i> <sup>1</sup> . [2022]	
Malkawi	Frameless Stereotactic Radiosurgery Treatment Outcomes for Medically Refractory Trigeminal Neuralgia. Azzam Malkawi <sup>1</sup> ; Aaron Spalding <sup>1</sup> <i>Radiation Oncology</i> <sup>1</sup> . [2022]	MED-DT-29
Marshall	Gaps in medical students' abdominal exam skills during third year surgery clerkship rotations. Hannah Marshall <sup>1</sup> ; Jensen Smith <sup>1</sup> ; Dylan Adamson <sup>1</sup> ; Tiffany Wright <sup>1</sup> ; Carrie A. Bohnert <sup>1</sup> ; M. Ann Shaw <sup>1</sup> ; Laura Weingartner <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-DT-30
Moore	Effect of an experimental c-Cbl competitive antagonist on EGFR activation and corneal epithelial wound healing in vitro. Alec Moore <sup>1</sup> ; Brandon Crotchett <sup>1</sup> ; Brian Ceresa <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	MED-DT-31
Mostovych	Strategies of Boston Children's Hospital. Alexander Mostovych <sup>1</sup> ; Luke Byerly <sup>1</sup> ; Grace Promer <sup>1</sup> ; Faizan Ahmed <sup>1</sup> ; Beth Spurlin <sup>1</sup> ; In Kim <sup>1</sup> <i>Pediatrics</i> <sup>1</sup> . [2022]	MED-DT-32
Mustafa	Investigating PCB 126 Impact On Intestinal Permeability In Mice Consuming An Ethanol Diet. Muhammad Mustafa <sup>1</sup> ; Tyler Gripshover <sup>1</sup> ; Banrida Wahlang <sup>1</sup> ; Kimberly Head <sup>1</sup> ; Jianzhu Lou <sup>1</sup> ; Jamie Young <sup>1</sup> ; Matthew Cave <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	MED-DT-33
Naidoo	Meibum, Cholesteryl and Wax Esters, and Dry Eye. Kugen Naidoo <sup>1</sup> ; Douglas Borchman <sup>1</sup> <i>Ophthalmology &amp; Visual Sciences</i> <sup>1</sup> . [2022]	MED-DT-34
Nash	Assessment of Outcomes of Submental Island Pedicled Flap and Radial Forearm Free Flap in Oral Reconstruction. Stephen Nash <sup>1</sup> ; Derek Scott <sup>2</sup> ; Victoria Scott <sup>1</sup> ; Jake Besch-Stokes <sup>3</sup> ; Michael Marino <sup>3</sup> ; Thomas Nagel <sup>3</sup> <i>Emergency Medicine</i> <sup>2</sup> , <i>Otolaryngology</i> <sup>3</sup> , and <i>Otolaryngology Head and Neck Surgery and Communicative Disorders</i> <sup>1</sup> . [2022]	MED-DT-35
Padgett	Expression of ceramide synthases in mice and their roles in ceramides and complex sphingolipids: A framework for baseline levels and future implications in aging and disease. Whitney Padgett <sup>1</sup> ; Leah Siskind <sup>1</sup> ; Sophia Humphrey <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	MED-DT-36
Parnell	Evolution of the Caloric Irrigation Test. Kathleen Parnell <sup>1</sup> ; Shae Morgan, Au.D., Ph.D. <sup>1</sup> <i>Otolaryngology Head and Neck Surgery and Communicative Disorders</i> <sup>1</sup> . [2022]	MED-DT-37

Patel	Overexpression of miR-186 Induces Abnormal Mitotic Exit and Impairs Cytokinesis in Human Keratinocytes. Deep Patel <sup>1</sup> ; Ana Cardoso <sup>1</sup> ; Kavitha Yaddanapudi <sup>2</sup> ; J. Christopher States <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> , and <i>Surgery</i> <sup>2</sup> . [2022]	MED-DT-38
Pierce	Developing sarcopenia during neoadjuvant therapy is associated with worse survival in esophageal adenocarcinoma patients. Katherine Pierce <sup>1</sup> ; Robert C.G. Martin <sup>1</sup> <i>Surgery</i> <sup>1</sup> . [2022]	MED-DT-39
Rahbari	Title: Long term effectiveness of Laparoscopic 360 fundoplication (Nissen) vs. Partial fundoplication on gastroesophageal reflux disease. Nadieh Rahbari <sup>1</sup> ; Farid Kehdy <sup>2</sup> ; Jeremy Gaskins <sup>3</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>3</sup> , <i>Medicine</i> <sup>1</sup> , and <i>Surgery</i> <sup>2</sup> . [2022]	MED-DT-40
Ray	The Western Diet May Disrupt Cardiac Electrophysiology and Induce Sympathetic Dominance: A Report of Preliminary Findings. Travis Ray <sup>1</sup> ; Sidney Johnson <sup>1</sup> ; Anand Ramalingam <sup>1</sup> ; Matthew Nystoriak <sup>1</sup> ; Alex Carll <sup>1</sup> <i>Physiology</i> <sup>1</sup> . [2022]	MED-DT-41
Shah	Genetic Testing in Adults with Neurodevelopmental Disorders: Lessons from Phelan McDermid Syndrome. Charmi Shah <sup>1</sup> ; Sriprakash Mokshagundam <sup>1</sup> ; Philip May <sup>1</sup> ; Paula Robinson <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-DT-42
Smith	Inclusive Communication and Sexual History Assumptions in Standardized Patient Encounters by Third Year Medical Students. Jensen Smith <sup>1</sup> ; Hannah Marshall <sup>1</sup> ; Tiffany Wright <sup>1</sup> ; Dylan Adamson <sup>1</sup> ; Carrie Bohnert <sup>1</sup> ; Monica Shaw <sup>1</sup> ; Laura Weingartner <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-DT-43
Stinger	Medical Education on Less-Lethal Weapons Used in Law Enforcement. Colton Stinger <sup>1</sup> ; Martin Huecker <sup>1</sup> ; Jennifer Brueckner-Collins <sup>1</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>1</sup> . [2022]	MED-DT-44
Sunkara	Taurine Supplementation Attenuates Alcohol-Associated Liver Disease through Enhancement of Intestinal FXR-FGF15 Signaling in Mice. Manasa Sunkara <sup>1</sup> ; Mengwei Jiang <sup>1</sup> ; Fengyuan Li <sup>1</sup> ; Jiyeon Lee <sup>1</sup> ; Lihua Zhang <sup>1</sup> ; Craig McClain <sup>1</sup> ; Wenke Feng <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	MED-DT-45
Tran	Gun Shot Wound Renal Laceration- Characterization of Imaging, Management, and Outcomes. Minh Tran <sup>1</sup> ; Caleb Elmore <sup>1</sup> ; Nicholas Kemper <sup>2</sup> ; Brandon Dodd <sup>2</sup> ; Rebecca	MED-DT-46

	Guan <sup>2</sup> ; Keith Miller <sup>2</sup> ; Jonathan Joshi <sup>2</sup> <i>4th Year Medical Student</i> <sup>1</sup> , and <i>Medicine</i> <sup>2</sup> . [2022]	
Tranthen	Distinction Tracks at ULSOM: Longitudinal Evaluation Analysis. Lauren Tranthen <sup>1</sup> ; Emily Noonan <sup>1</sup> ; Emily Noonan <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-DT-47
Travers	Is STARD5 a Polychlorinated Biphenyl (PCB) Binding Protein?. Sydney Travers <sup>1</sup> ; Kellianne Piell <sup>1</sup> ; Mark DeLa Cerna <sup>1</sup> ; Carolyn Klinge <sup>1</sup> ; Barbara Clark <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	MED-DT-48
Wilson	Carboplatin and TPI 287 are synergistic against glioblastoma cells. Megan Wilson <sup>1</sup> ; Muge Sak <sup>1</sup> ; Norman Lehman <sup>1</sup> <i>Pathology &amp; Laboratory Medicine</i> <sup>1</sup> . [2022]	MED-DT-49
Xie	Complementary Roles of FDG PET and 1H-MRS for Assessing Hindlimb Recovery in a Rat Model of Contusion Spinal Cord Injury. Benjamin Xie <sup>1</sup> ; Huaiyu Zheng <sup>2</sup> ; Alice H Shum-Siu <sup>3</sup> ; David S Magnuson <sup>4</sup> ; Chin K Ng <sup>2</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>4</sup> , <i>Medicine</i> <sup>1</sup> , <i>Neurological Surgery</i> <sup>3</sup> , and <i>Radiology</i> <sup>2</sup> . [2022]	MED-DT-50
Xu	Chronic Arsenic Exposure Reduces DNA-PKcs Phosphorylation and Causes Continued DNA-PKcs Cleavage in Immortalized Human Keratinocytes. Manting Xu <sup>1</sup> ; Alexandra Nail <sup>1</sup> ; Ana Ferragut Cardoso <sup>1</sup> ; Mayukh Banerjee <sup>1</sup> ; J. Christopher States <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	MED-DT-51

### Wednesday, 9:00 am - 12:00 pm

Postdoctoral Associate/Scholar		
Gautam	The effect of flue gas contaminants on electrochemical reduction of CO <sub>2</sub> to methyl formate in a dual methanol/water electrolysis system. Manu Gautam <sup>1</sup> ; Joshua Spurgeon <sup>1</sup> <i>Chemistry</i> <sup>1</sup> . [2022]	PRF-1
Ghosh	Microbial metabolite, Urolithin A inhibits resistant colonic tumor progression by sensitizing drug transporters via regulation of FOXO3-FOXO1 axis. Sweta Ghosh <sup>1</sup> ; Rajbir Singh <sup>1</sup> ; Zachary Matthew Vanwinkle <sup>1</sup> ; Haixun Guo <sup>2</sup> ; Praveen Kumar Vemula <sup>3</sup> ; Ajay Goel <sup>4</sup> ; Bodduluri Haribabu <sup>1</sup> ; Venkatakrishna Rao Jala <sup>1</sup> <i>Laboratory of Self-Assembled Biomaterials &amp; Translational Research</i> <sup>3</sup> , <i>Microbiology &amp; Immunology</i> <sup>1</sup> , <i>Molecular Diagnostics and Experimental Therapeutics</i> <sup>4</sup> , and <i>Radiology</i> <sup>2</sup> . [2022]	PRF-2



Hardesty	Alterations in Liver Regeneration Caused by Ethanol and Galactosamine Challenge were Improved by the n-3 PUFA-Derived Specialized Pro-resolving Mediator, Resolvin D1. Josiah Hardesty <sup>1</sup> ; Jeffrey Warner <sup>1</sup> ; Dennis Warner <sup>1</sup> ; Craig McClain <sup>1</sup> ; Irina Kirpich <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	PRF-3
Kitching	Female Mice are Protected Against Fine Particulate Matter Induced Glucose Intolerance in Circadian Dessynchrony, but not Cardiovascular Insulin Resistance. Michael Kitching <sup>1</sup> ; Amanda Ribble <sup>1</sup> ; Petra Haberzettl <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	PRF-4
Lu	Translating Particulate Hexavalent Chromium-Induced DNA Damage and DNA Repair Impacts from Cultured Human Lung Cells to In Vivo Lung Tissue. Haiyan Lu <sup>1</sup> ; Sandra Wise <sup>1</sup> ; Gary Hoyle <sup>2</sup> ; Jennifer Toyoda <sup>1</sup> ; Rachel Speer <sup>1</sup> ; Tayler Croom-Perez <sup>1</sup> ; Idoia Meaza <sup>1</sup> ; John Wise, Jr. <sup>3</sup> ; Calvin Kouokam <sup>1</sup> ; Jamie Young <sup>1</sup> ; Lu Cai <sup>3</sup> ; Kazuya Kondo <sup>4</sup> ; John Wise <sup>1</sup> <i>Department of Oncological Medical Services</i> <sup>4</sup> , <i>Environmental &amp; Occupational Health Sciences</i> <sup>2</sup> , <i>Pediatrics</i> <sup>3</sup> , and <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	PRF-5
Mahmoud	Lactobacillus crispatus Loaded Electrospun Fibers to target Gardnerella vaginalis Growth in Bacterial Vaginosis. Mohamed Y. Mahmoud <sup>1</sup> ; Madeline Wesley <sup>1</sup> ; Anthony Kyser <sup>1</sup> ; Jill M. Steinbach-Rankins <sup>1</sup> ; Hermann B. Frieboes <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> . [2022]	PRF-6
Monsen	Structure and dynamics of a duplex-embedded G-quadruplex system resolved to 7.4 Å resolution by cryo-EM and SAXS. Robert Monsen <sup>1</sup> ; Jonathan Chaires <sup>1</sup> ; John Trent <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	PRF-7
Nail	Chronic Arsenic Exposure Reduces ATM Pathway Activation in Human Keratinocytes. Alexandra Nail <sup>1</sup> ; Lakyn Montero <sup>1</sup> ; Ana Paula Ferragut Cardoso <sup>1</sup> ; Mayukh Banerjee <sup>1</sup> ; J. Christopher States <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	PRF-8
Verjan	Epicertin may skew the ER-stress response towards homeostasis-survival of epithelial cells and macrophages in colitis. Noel Verjan <sup>1</sup> ; Micaela Reeves <sup>1</sup> ; Ian Santisteban <sup>1</sup> ; Nobuyuki Matoba <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	PRF-9
Wise	Effect of N-Acetyltransferase Polymorphism on Metabolism and Genotoxicity of 4,4'-Oxydianiline (ODA). James Wise <sup>1</sup> ; Raul Salazar-González <sup>1</sup> ; Mark Doll <sup>1</sup> ; David Hein <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	PRF-10

### Research Associate

Adigun	Frequency of Modification of Pharmacologic Treatment Equivalent for Virtual and in Person Psychiatric Visits. Aisha Adigun <sup>1</sup> ; Amal Mumtaz <sup>2</sup> ; Rifaat El-Mallakh <sup>2</sup> <i>Medicine</i> <sup>1</sup> , and <i>Psychiatry and Behavioral Sciences</i> <sup>2</sup> . [2022]	RA-1
Ames	Ca <sup>2+</sup> induced periaxonal swelling of myelin pathology precedes axonal spheroid formation and is mediated in part by store-operated Ca <sup>2+</sup> entry. Spencer Ames <sup>1</sup> ; David Stirling <sup>1</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>1</sup> . [2022]	RA-2
He	RNA Modifications In Alcohol Associated Liver Disease. Liqing He <sup>1</sup> ; Xiang Zhang <sup>1</sup> <i>Chemistry</i> <sup>1</sup> . [2022]	RA-3
Jha	Multiple Hepatic Abscesses Secondary to Streptococcus Anginosus Infection: A Case Report and Review of the Literature. Suman Kumar Jha <sup>1</sup> ; Bhesh Raj Karki <sup>2</sup> ; Louis Costanzo <sup>2</sup> ; Steffi Nainan <sup>2</sup> <i>Internal Medicine</i> <sup>2</sup> , and <i>Medicine</i> <sup>1</sup> . [2022]	RA-4
Luo	The Effects of Fluorene Exposure in Conjunction with High Fat Diet on Toxicant-Associated Fatty Liver Disease. Jianzhu Luo <sup>1</sup> ; Banrida Wahlang <sup>1</sup> ; walter Watson <sup>2</sup> ; Matthew Cave <sup>1</sup> ; Collin White <sup>1</sup> ; Shikshita Singh <sup>1</sup> ; Oluwanifemi Bolatimi <sup>2</sup> ; Ngozi Adiele <sup>2</sup> ; Loretta Jophlin <sup>1</sup> ; James Marshall <sup>3</sup> ; Ruby Sullivan <sup>3</sup> <i>Medicine</i> <sup>1</sup> , <i>Pharmacology and Toxicology</i> <sup>2</sup> , and <i>Upper School</i> <sup>3</sup> . [2022]	RA-5
Masthan	Quality of life and mental health assessments amongst post covid-19 survivors. Shameera Masthan <sup>1</sup> ; Deepti Deepti <sup>1</sup> ; Ahmed Abdelhaleem <sup>1</sup> ; Aisha Olanike Adigun <sup>1</sup> ; Aditya Bamboria <sup>1</sup> ; Forest Arnold <sup>1</sup> ; T'shura Ali <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	RA-6
Mo	Nickel nanoparticles induce epithelial-mesenchymal transition in human bronchial epithelial cells via the HIF-1a/HDAC3 pathway. Yiqun Mo <sup>1</sup> ; Jiali Yuan <sup>1</sup> ; Yuanbao Zhang <sup>1</sup> ; Qunwei Zhang <sup>1</sup> <i>Epidemiology &amp; Population Health</i> <sup>1</sup> . [2022]	RA-7
Wang	Pathogenic role of Aldose Reductase in inflammation along the gut-liver-brain axis. Min Wang <sup>1</sup> ; Benjamin Charpentier <sup>1</sup> ; Paula Chilton <sup>1</sup> ; Jingwen Zhang <sup>1</sup> ; Scott Whittemore <sup>1</sup> ; Shirish Barve <sup>1</sup> ; Craig McClain <sup>1</sup> ; Swati Joshi-Barve <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	RA-8

## Research Staff

Belcher	Don't Sleep on Climate Change: Correlations Between Climate Change, Sleep, and Cardiovascular Health. Sarah Belcher <sup>1</sup> ; Natasha DeJarnett <sup>2</sup> <i>Environmental &amp; Occupational Health Sciences</i> <sup>1</sup> , and <i>Medicine</i> <sup>2</sup> . [2022]	RS-1
Chilton	Transplantation Of Dysbiotic Fecal Microflora From Alcohol-Associated Hepatitis Patients Drives Alcohol-Induced Formation Of Mallory-Denk Bodies In Mouse Livers. Paula Chilton <sup>1</sup> ; Smita Ghare <sup>1</sup> ; Manicka Vadhanam <sup>1</sup> ; Richa Singhal <sup>1</sup> ; Benjamin Charpentier <sup>2</sup> ; JingWen Zhang <sup>1</sup> ; Mary Proctor <sup>1</sup> ; Leila Gobejishvili <sup>1</sup> ; Swati Joshi-Barve <sup>1</sup> ; Craig McClain <sup>1</sup> ; Shirish Barve <sup>1</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>2</sup> , and <i>Medicine</i> <sup>1</sup> . [2022]	RS-2
Cicha	Frequency-specific noise reduction by an installed vegetation belt along a roadway. Madison Cicha <sup>1</sup> ; Maryssa Loehr <sup>2</sup> ; Daniel Fleischer <sup>3</sup> ; Brent Bucknum <sup>3</sup> ; Ted Smith <sup>4</sup> ; Jay Turner <sup>2</sup> ; Aruni Bhatnagar <sup>4</sup> ; Ray Yeager <sup>4</sup> <i>Energy, Environmental &amp; Chemical Engineering</i> <sup>2</sup> , <i>Hyphae Design Laboratory</i> <sup>3</sup> , <i>Liberal Studies</i> <sup>1</sup> , and <i>Medicine</i> <sup>4</sup> . [2022]	RS-3
Kyser	Formulation and Characterization of 3D-Printed Silicone Scaffolds for Antibiotic Release to Treat Bacterial Vaginosis. Anthony Kyser <sup>1</sup> ; Jill Steinbach-Rankins <sup>1</sup> ; Mohamed Mahmoud <sup>1</sup> ; Hermann Frieboes <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> . [2022]	RS-4
Layne	Metabolic Syndrome is Associated with Higher Levels of Carnosine-Acrolein Conjugates, Especially on Days Following High PM2.5 Air Pollution. Olivia Layne <sup>1</sup> ; Alok Amraotkar <sup>1</sup> ; Brittany Blair <sup>1</sup> ; Venetia Aranha <sup>1</sup> ; David Hoetker <sup>1</sup> ; Pawel Lorkiewicz <sup>1</sup> ; Aruni Bhatnagar <sup>1</sup> ; Timothy O'Toole <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	RS-5
Malik	Implementation of molecular serotype-specific identification for Streptococcus pneumoniae. Danial Malik <sup>1</sup> ; Subathra Marimuthu <sup>2</sup> ; Holly Aliesky <sup>2</sup> ; Brigid Connelly <sup>3</sup> ; Leslie Parrish <sup>2</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>3</sup> , <i>Epidemiology &amp; Population Health</i> <sup>1</sup> , and <i>Medicine</i> <sup>2</sup> . [2022]	RS-6
Puga Sanchez	Improved longitudinal retention and clinical outcomes due to rapid initiation of antiretroviral therapy among newly diagnosed HIV patients after 1 year. Lucia Puga Sanchez <sup>1</sup> ; Vidyulata Salunkhe <sup>1</sup> ; Keerthi Poladi <sup>1</sup> ; Aleena Naeem <sup>1</sup> ; Rana Anwar <sup>1</sup> ; Prathyusha Mudduluru <sup>1</sup> ; Niguma	RS-7

	Rayamajhi <sup>1</sup> ; Steven Gootee <sup>1</sup> ; T'shura Ali <sup>1</sup> ; Forest Arnold <sup>1</sup> ; Bailey Benidir <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	
Schulman	Do changes in metabolism or lactation mediate the reversal of pregnancy-induced cardiac growth?. Emily Schulman <sup>1</sup> ; Bradford Hill <sup>1</sup> ; Helen Collins <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	RS-8
Taylor	Measuring and Mapping Vulnerability in Louisville: The Construction of the Environmental Vulnerability Index. Laney Taylor <sup>1</sup> ; Dhiraj Kanneganti <sup>1</sup> ; Rebecca Turney <sup>1</sup> ; Ray Yeager <sup>1</sup> ; Ted Smith <sup>1</sup> ; Aruni Bhatnagar <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	RS-9
Tofangchi	Piezo-Based Soft Sensors Implemented In Rehabilitation Rocking Chair: Wireless Sensing, Signals Visualization and Analysis. Alireza Tofangchi <sup>1</sup> ; Tommy Roussel <sup>1</sup> <i>Bioengineering</i> <sup>1</sup> . [2022]	RS-10
Wakeel	Differences in Risk Factors of Clinical Outcomes for African American and White Patients Hospitalized with SARS-CoV-2 Pneumonia in Louisville, Kentucky. Jafir Wakeel <sup>1</sup> ; Shivam Gulati <sup>1</sup> ; Saad Asghar <sup>1</sup> ; Deekshitha Turaka <sup>1</sup> ; Adil Khan <sup>1</sup> ; Muhammad Ali Akhtar <sup>1</sup> ; Steven Gootee <sup>1</sup> ; T'shura Ali <sup>1</sup> ; Mohammad Tahboub <sup>1</sup> ; Forest Arnold <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	RS-11
White	Chronic sodium benzoate ingestion approximating typical human exposure increases body fat and exacerbates fatty liver disease in mice. Collin White <sup>1</sup> ; Jianzhu Luo <sup>1</sup> ; Walter Watson <sup>1</sup> ; Ngozi Adiele <sup>1</sup> ; Esther Bolatimi <sup>1</sup> ; Craig McClain <sup>1</sup> ; Matthew Cave <sup>1</sup> ; Loretta Jophlin <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	RS-12

### Wednesday, 1:00 pm - 4:00 pm

#### Clinical Fellow

Condon	ALT Poorly Predicts NAFLD and Fibrosis as shown by National Health and Nutrition Examination Survey 2017-2018 FibroScan Data. Sally Condon <sup>1</sup> ; Huirong Hu <sup>2</sup> ; Maiying Kong <sup>2</sup> ; Matthew Cave <sup>1</sup> ; Craig McClain <sup>1</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>2</sup> , and <i>Medicine</i> <sup>1</sup> . [2022]	CRF-1
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#### Public Health Graduate Student - Doctoral Candidate

Decker	Participatory System Dynamics Methods Application to Public Health: A Systematic Review. Hallie Decker <sup>1</sup> ; Monica Wendel <sup>1</sup> <i>Health Promotion &amp; Behavioral Sciences</i> <sup>1</sup> . [2022]	GPHD-1
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Eggen	Utilization of an Alternative Responder Model to Address Behavioral Health Care Related Calls to 911 in Louisville, Kentucky. Melissa Eggen <sup>1</sup> ; Sara Choate <sup>1</sup> ; Liza Creel <sup>1</sup> ; Tanisha Howard <sup>1</sup> ; Seyed Karimi <sup>1</sup> ; Hannah Kay <sup>1</sup> ; Brian Schaefer <sup>1</sup> ; Katherine Yewell <sup>1</sup> ; Khalilah Collins <sup>1</sup> <i>Health Promotion &amp; Behavioral Sciences</i> <sup>1</sup> . [2022]	GPHD-2
Kakar	Risk of second primary cancer following Non-Hodgkin's lymphoma first primary cancer diagnosis differs by latency period and age. Aastha Kakar <sup>1</sup> ; Stephanie Boone <sup>1</sup> <i>Epidemiology &amp; Population Health</i> <sup>1</sup> . [2022]	GPHD-3
Kondaurova	Acceptance of Robot Nursing Assistant by Healthcare Providers: An Experimental Case Study. Irina Kondaurova <sup>1</sup> ; Moath Alqatamin <sup>2</sup> ; Nazita Taghavi <sup>2</sup> ; Sumit Das <sup>2</sup> ; Dan Popa <sup>2</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>1</sup> , and <i>Electrical &amp; Computer Engineering</i> <sup>2</sup> . [2022]	GPHD-4
Newton	Identifying and Characterizing Colorectal Cancer and Colorectal Cancer Mortality Hotspots in Kentucky. Johnnie Newton <sup>1</sup> ; Madeline Tomlinson <sup>1</sup> ; Felicia Pugh <sup>1</sup> ; Richard Baumgartner <sup>1</sup> ; Stephanie Boone <sup>1</sup> ; Matthew Ruther <sup>2</sup> ; Tyler Ellis <sup>3</sup> ; Natalie DuPre <sup>1</sup> <i>Epidemiology &amp; Population Health</i> <sup>1</sup> , <i>Surgery</i> <sup>3</sup> , and <i>Urban and Public Affairs</i> <sup>2</sup> . [2022]	GPHD-5
Owoade	Acute tear gas exposure symptoms and adverse male reproductive outcomes. Damilola Owoade <sup>1</sup> ; Emily Reece <sup>1</sup> ; Madeline Tomlinson <sup>1</sup> ; Anne Wallis <sup>1</sup> ; Cynthia Corbitt <sup>2</sup> ; Ted Smith <sup>3</sup> ; Aruni Bhatnagar <sup>3</sup> ; Kira Taylor <sup>1</sup> ; Monica Unseld <sup>4</sup> <i>Biology</i> <sup>2</sup> , <i>Epidemiology &amp; Population Health</i> <sup>1</sup> , <i>Medicine</i> <sup>3</sup> , and <i>N/A</i> <sup>4</sup> . [2022]	GPHD-6
Zhang	MMP-3-mediated cleavage of osteopontin is involved in copper oxide nanoparticle-induced activation of fibroblasts. Yuanbao Zhang <sup>1</sup> ; Yiqun Mo <sup>1</sup> ; Jiali Yuan <sup>1</sup> ; Qunwei Zhang <sup>1</sup> <i>Epidemiology &amp; Population Health</i> <sup>1</sup> . [2022]	GPHD-7

### Public Health Graduate Student - Masters

Aranha	Exploring the HIV, Hepatitis C, and Substance Use Syndemic in the Context of an Emergency Department Testing and Care Navigation Program.. Venetia Aranha <sup>1</sup> ; Barbra Cave <sup>2</sup> <i>Epidemiology &amp; Population Health</i> <sup>1</sup> , and <i>Medicine</i> <sup>2</sup> . [2022]	GPHM-1
Babarinde	Associations Between Air Quality, Perceived Discrimination, Sleep Quality and Cardiovascular Disease	GPHM-2

Risks. Olufunmilayo Babarinde<sup>1</sup>; Natasha DeJarnett<sup>2</sup>  
*Epidemiology & Population Health*<sup>1</sup>, and *Medicine*<sup>2</sup>. [2022]

**Nursing Graduate Student**

Hirst	Exploration of employees' perceptions of a social media-based engagement program at a metropolitan pediatric hospital.. Joelle Hirst <sup>1</sup> ; Frances Hardin-Fanning <sup>1</sup> ; Danielle Brooks <sup>2</sup> ; Kendra Combest <sup>2</sup> ; Lauren Curry <sup>2</sup> ; Elizabeth Sanders-Martin <sup>3</sup> ; Alyce Seaver <sup>4</sup> ; Joy Storm <sup>5</sup> ; Susan Webb <sup>2</sup> <i>Emergency Department; Nursing</i> <sup>5</sup> , <i>Expressive Therapist; Cancer Resource Center</i> <sup>3</sup> , <i>PICU; Nursing</i> <sup>2</sup> , <i>School of Nursing</i> <sup>1</sup> , and <i>Surgery; Nursing</i> <sup>4</sup> . [2022]	NUR-1
Ward	Predictors of sun protective behaviors sunburn risk in the US population. Jeanne Ward <sup>1</sup> ; Shuying Sha <sup>1</sup> <i>School of Nursing</i> <sup>1</sup> . [2022]	NUR-2

**Medical Resident**

Hagman	Primary THA Using Thin Polyethylene Liners and Large Femoral Heads: A Minimum 5-Year Follow-Up. Dallas Hagman <sup>1</sup> ; Austin Smith <sup>1</sup> ; Terry Presley <sup>1</sup> ; Langan Smith <sup>1</sup> ; Madhusudhan Yakkanti <sup>1</sup> ; Matthew Price <sup>1</sup> ; Arthur Malkani <sup>1</sup> <i>Orthopedics</i> <sup>1</sup> . [2022]	RES-1
Jayanty	Characterization of the Gut-Brain Axis and Proinflammatory Status for the Presentation of Clinically Significant Depression found in Patients with Alcohol Use Disorder. Danielle Jayanty <sup>1</sup> ; Khushboo Gala <sup>1</sup> ; Suman Jha <sup>1</sup> ; Ryne Bruner <sup>1</sup> ; Huirong Hu <sup>1</sup> ; Melanie Schwandt <sup>2</sup> ; Ruchita Agrawal <sup>3</sup> ; Wenke Feng <sup>4</sup> ; Maiying Kong <sup>5</sup> ; Vatsalya Vatsalya <sup>1</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>5</sup> , <i>Medicine</i> <sup>1</sup> , <i>NIAAA</i> <sup>2</sup> , <i>Pharmacology and Toxicology</i> <sup>4</sup> , and <i>Psychiatry and Behavioral Sciences</i> <sup>3</sup> . [2022]	RES-2
Jones	Hepatic Hydrothorax management with transjugular intrahepatic portosystemic shunt. Henderson Jones <sup>1</sup> ; Nicholas Kemper <sup>2</sup> ; Samuel Bockhorst <sup>1</sup> ; Kyle Rizenbergs <sup>1</sup> ; Nana Ohene-Baah <sup>1</sup> ; Bryan Glaenzer <sup>1</sup> <i>Medicine</i> <sup>2</sup> , and <i>Radiology</i> <sup>1</sup> . [2022]	RES-3
Joufflas	Cementless Metal-Backed Patellar Components in Primary TKA: An Average 10-Year Follow-Up. Alex Joufflas <sup>1</sup> ; Arun Nadar <sup>1</sup> ; Brett Royster <sup>1</sup> ; Arthur Malkani <sup>1</sup> <i>Orthopedics</i> <sup>1</sup> . [2022]	RES-4

Long	Improved Resource Utilization using WALANT Hand Surgery in Adolescents. Charles Long <sup>1</sup> ; Ayana Wilson <sup>1</sup> ; Christy Daniels <sup>2</sup> ; Morgan Brown <sup>2</sup> ; Leah Carreon <sup>2</sup> ; Luke Robinson <sup>3</sup> <i>Hand surgery</i> <sup>3</sup> , <i>Orthopedic Surgery</i> <sup>1</sup> , and <i>Spine surgery</i> <sup>2</sup> . [2022]	RES-5
Sachdeva	Outcomes of Operative Fracture Fixation in Asymptomatic COVID Patients. Shikha Sachdeva <sup>1</sup> ; John Whitaker <sup>1</sup> ; Brandi Hartley <sup>1</sup> <i>Orthopedics</i> <sup>1</sup> . [2022]	RES-6
Winrich	The Role of Serum Magnesium in Early Alcohol-Related Liver Disease and Efficacy of Abstinence and 2-Week Medical Management in Alleviating Hypomagnesemia in Alcohol Use Disorder Patients. Evan Winrich <sup>1</sup> ; Khushboo Gala <sup>1</sup> ; Abhas Rajhans <sup>1</sup> ; Amor Royer <sup>1</sup> ; Zarlakhta Zamani <sup>1</sup> ; Christian Rios-Perez <sup>1</sup> ; Ranganathan Parthasarathy <sup>1</sup> ; Luis Marsano-Obando <sup>1</sup> ; Ashutosh Barve <sup>1</sup> ; Melanie Schwandt <sup>1</sup> ; Vatsalya Vatsalya <sup>1</sup> <i>Medicine</i> <sup>1</sup> . [2022]	RES-7

### Thursday, 9:00 am - 12:00 pm

Faculty		
Alard	Jedi Mindset: Discussing Effective Learning Strategies with Students. Pascale Alard <sup>1</sup> ; Sarah Price <sup>1</sup> <i>Microbiology &amp; Immunology</i> <sup>1</sup> . [2022]	F-1
Antle	Evaluation of a Psychoeducation Program for Youth Trauma: Impact on Key Outcomes and Differences by Race. Becky Antle <sup>1</sup> ; Anita Barbee <sup>1</sup> ; Amanda Minogue <sup>1</sup> ; Ashley Logsdon <sup>1</sup> <i>Kent School of Social Work</i> <sup>1</sup> . [2022]	F-2
Banerjee	Zinc supplementation prevents mitotic accumulation in human keratinocyte cell lines upon environmentally relevant arsenic exposure. Mayukh Banerjee <sup>1</sup> ; Kavitha Yaddanapudi <sup>1</sup> ; J. Christopher States <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	F-3
Combs	Sexual and Gender Minority COVID-19 Vaccine Decision Making: A Mixed Methods Study. Ryan Combs <sup>1</sup> ; Rebekah Lamb <sup>1</sup> ; Diane Zero <sup>1</sup> ; Ahmed Alobaydullah <sup>1</sup> ; Toluwani Adekunle <sup>1</sup> ; S. Denise Thomas <sup>1</sup> ; A. Scott LaJoie <sup>1</sup> <i>Health Promotion &amp; Behavioral Sciences</i> <sup>1</sup> . [2022]	F-4
Fischer	Introducing CAD/CAM Technology in Preclinical Dental Education: A Comparison of Traditional Lecture Versus Video Presentation.. Kathleen Fischer <sup>1</sup> ; Michael Metz <sup>1</sup> ; Michael Sekula <sup>1</sup> ; David Hannigan <sup>1</sup> ; Diksha Katwal <sup>1</sup> ; Tarin Williams <sup>1</sup> <i>Comprehensive Dentistry</i> <sup>1</sup> . [2022]	F-5

Gesler	Asynchronous learning techniques: A collaborative approach. Rebecca Gesler <sup>1</sup> ; Natalie Henderson <sup>2</sup> ; Dongfeng Wu <sup>3</sup> ; Matthew Lawrenz <sup>4</sup> ; Brittney Richardson <sup>5</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>3</sup> , <i>Department of Pediatrics</i> <sup>1</sup> , <i>Family and Geriatric Medicine</i> <sup>5</sup> , <i>Microbiology &amp; Immunology</i> <sup>4</sup> , and <i>Pediatrics</i> <sup>2</sup> . [2022]	F-6
Ghare	HIV-associated neurocognitive disorders correlate with pathogenic alterations in gut-derived metabolites and systemic markers of gut permeability and inflammation in people living with HIV.. Smita Ghare <sup>1</sup> ; Aakarsha Rao <sup>1</sup> ; Andrea Reyes Vega <sup>1</sup> ; Emilee Ertle <sup>2</sup> ; Darby Simon <sup>2</sup> ; Vania Remenik <sup>1</sup> ; Harideep Samanapally <sup>1</sup> ; KC Manish <sup>1</sup> ; Rashmit Durugu <sup>1</sup> ; Sudeep Yadav <sup>1</sup> ; Kristi Hoffman <sup>1</sup> ; Joseph Petrosino <sup>1</sup> ; Craig McClain <sup>1</sup> ; Benjamin Mast <sup>2</sup> ; Shirish Barve <sup>1</sup> <i>Medicine</i> <sup>1</sup> , and <i>Psychological and Brain Sciences</i> <sup>2</sup> . [2022]	F-7
Hardin-Fanning	Evaluation of a social media-based employee engagement program at a metropolitan pediatric hospital. Frances Hardin-Fanning <sup>1</sup> ; Danielle Brooks <sup>2</sup> ; Lauren Curry <sup>2</sup> ; Joelle Hirst <sup>2</sup> ; Kendra Combest <sup>1</sup> ; Elizabeth Martin <sup>2</sup> ; Alyce Seaver <sup>2</sup> ; Joy Storm <sup>2</sup> ; Susan Webb <sup>2</sup> <i>Nursing</i> <sup>2</sup> , and <i>School of Nursing</i> <sup>1</sup> . [2022]	F-8
Harris	Effect of the COVID-19 Pandemic on Psychiatric Medication Use in a Pediatric Long-Term Care Facility. Corrie Harris <sup>1</sup> ; Ademilola Tejuoso <sup>1</sup> ; Heather Huxol <sup>1</sup> ; Scott Bickel <sup>1</sup> <i>Pediatrics</i> <sup>1</sup> . [2022]	F-9
Hong	Transcriptional Regulation of Human Arylamine N-Acetyltransferase 2 Gene by Glucose and Insulin in Liver Cancer Cell Lines. Kyung Hong <sup>1</sup> ; Kennedy Walls <sup>1</sup> ; David Hein <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	F-10
Kidd	R25 Cancer Education Experience Influences Interest in Basic, Clinical, and Population-based Research. La Creis Kidd <sup>1</sup> ; David Hein <sup>1</sup> <i>Pharmacology and Toxicology</i> <sup>1</sup> . [2022]	F-11
Kline	LIAM: Team Social Media. Jessica Kline <sup>1</sup> ; Keri Marques <sup>2</sup> ; Katherine Pohlgeers <sup>3</sup> ; Yaw Baah <sup>4</sup> <i>Family and Geriatric Medicine</i> <sup>3</sup> , <i>Obstetrics, Gynecology &amp; Women's Health</i> <sup>1</sup> , <i>Pediatrics</i> <sup>2</sup> , and <i>Radiology</i> <sup>4</sup> . [2022]	F-12
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	Michael Metz <sup>2</sup> <i>Comprehensive Dentistry</i> <sup>2</sup> , and <i>Physiology</i> <sup>1</sup> . [2022]	
Porter	Parents' perceptions of medical provider encounters and access to care by race/ethnicity from the National Survey of Children's Health. Jennifer Porter <sup>1</sup> ; Kahir Jawad <sup>1</sup> ; Deborah Davis <sup>1</sup> ; Veronnie Jones <sup>1</sup> ; Yana Feygin <sup>1</sup> <i>Pediatrics</i> <sup>1</sup> . [2022]	F-15
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Watson	The composition and diversity of the antibody repertoire is shaped by common genetic variants in the immunoglobulin heavy chain locus. Corey Watson <sup>1</sup> ; Oscar Rodriguez <sup>1</sup> ; Yana Safonova <sup>1</sup> ; Catherine Silver <sup>1</sup> ; Kaitlyn Shields <sup>1</sup> ; William Gibson <sup>1</sup> ; Justin Kos <sup>1</sup> ; David Tieri <sup>1</sup> ; Hanzhong Ke <sup>1</sup> ; Katherine Jackson <sup>2</sup> ; Scott Boyd <sup>3</sup> ; Melissa Smith <sup>1</sup> ; Wayne Marasco <sup>4</sup> <i>Biochemistry and Molecular Genetics</i> <sup>1</sup> , <i>Department of Cancer Immunology and Virology</i> <sup>4</sup> , <i>Department of Pathology</i> <sup>3</sup> , and <i>The Garvan Institute of Medical Research</i> <sup>2</sup> . [2022]	F-17
Watson	Relative sensitivity to acute arsenic toxicity among different keratinocyte cell lines is determined by differences in glutathione production. Walter Watson <sup>1</sup> ; Caitlin Wilkerson <sup>2</sup> ; Mayukh Banerjee <sup>2</sup> ; Allan Pinhas <sup>3</sup> ; J. Christopher States <sup>2</sup> ; Ana P. Ferragut Cardoso <sup>2</sup> <i>Chemistry</i> <sup>3</sup> , <i>Medicine</i> <sup>1</sup> , and <i>Pharmacology and Toxicology</i> <sup>2</sup> . [2022]	F-18
Wu	At what age should a cancer screening exam be started?. Dongfeng Wu <sup>1</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>1</sup> . [2022]	F-19

### Faculty in the LIAM Program

Cole	Simulation in Education Using a Virtual World (Metaverse): Supplemental Educational Platform Students Using Gather. Marsha Cole <sup>1</sup> ; Breacya Washington <sup>1</sup> ; Cynthia Crabtree <sup>1</sup> ; Katiie Canalichio <sup>1</sup> ; Mohiuddin Hadi <sup>1</sup> <i>Radiology</i> <sup>1</sup> . [2022]	F-LIAM-1
Davis	Successful Use of Strategic Questioning in the Dental Outpatient Clinic. Erin Davis <sup>1</sup> ; Alia Eldairi <sup>2</sup> ; Elise McClanahan <sup>3</sup> ; Ronald Morton <sup>4</sup> <i>Anatomical Sciences &amp; Neurobiology</i> <sup>1</sup> , <i>Comprehensive Dentistry</i> <sup>2</sup> , <i>Neurological Surgery</i> <sup>3</sup> , and <i>Pediatrics</i> <sup>4</sup> . [2022]	F-LIAM-2

Fischer	Innovative Use of an Asynchronous Virtual Platform to Facilitate Interprofessional Simulation. Hannah Fischer <sup>1</sup> ; Katrina Erickson <sup>2</sup> ; Adam Hall <sup>3</sup> ; Stacy Lenger <sup>4</sup> ; Shesh Rai <sup>5</sup> <i>Bioinformatics &amp; Biostatistics</i> <sup>5</sup> , <i>Diagnosis &amp; Oral Health</i> <sup>3</sup> , <i>Family and Geriatric Medicine</i> <sup>2</sup> , <i>Obstetrics, Gynecology &amp; Women's Health</i> <sup>4</sup> , and <i>Pediatrics</i> <sup>1</sup> . [2022]	F-LIAM-3
Weingartner	The Faculty Feed Podcast: Community Building at the University of Louisville Health Sciences Center. Laura Weingartner <sup>1</sup> ; Staci Saner <sup>2</sup> ; Jerry Rabalais <sup>2</sup> <i>Medicine</i> <sup>1</sup> , and <i>Pediatrics</i> <sup>2</sup> . [2022]	F-LIAM-4

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Ablan	Francis Dean	GRD-1	Tuesday, 9:00 am - 12:00 pm
Abubakar	Abubakar	UCE-1	Monday, 9:00 am - 12:00 pm
Adiele	Ngozi	GRD-2	Tuesday, 9:00 am - 12:00 pm
Adigun	Aisha	RA-1	Wednesday, 9:00 am - 12:00 pm
Alard	Pascale	F-1	Thursday, 9:00 am - 12:00 pm
Alcorn	Katelyn	MED-1	Tuesday, 1:00 pm - 4:00 pm
Aldrich	V. Ramsey	MED-2	Tuesday, 1:00 pm - 4:00 pm
Alexander, BS	Rachelle	MED-3	Tuesday, 1:00 pm - 4:00 pm
Alluri	Satya	MED-4	Tuesday, 1:00 pm - 4:00 pm
Almoutem	Nooreddin	D-1	Monday, 1:00 pm - 4:00 pm
Ames	Spencer	RA-2	Wednesday, 9:00 am - 12:00 pm
Amirneni	Kamal	UCE-2	Monday, 9:00 am - 12:00 pm
Anakwenze	Lisa	MED-DT-1	Tuesday, 1:00 pm - 4:00 pm
Anderson	Nathan	D-2	Monday, 1:00 pm - 4:00 pm
Anderson	Ryan	CR-1	Tuesday, 1:00 pm - 4:00 pm
Andrawes	Mariam	GME-2	Monday, 9:00 am - 12:00 pm
Antle	Becky	F-2	Thursday, 9:00 am - 12:00 pm
Aranha	Venetia	GPHM-1	Wednesday, 1:00 pm - 4:00 pm
Archer	Luke	CR-2	Tuesday, 1:00 pm - 4:00 pm
Augenstein	Isabell	MED-DT-2	Tuesday, 1:00 pm - 4:00 pm
Babarinde	Olufunmilayo	GPHM-2	Wednesday, 1:00 pm - 4:00 pm
Banerjee	Mayukh	F-3	Thursday, 9:00 am - 12:00 pm
Barney	Weston	D-3	Monday, 1:00 pm - 4:00 pm
Batista Torres	Ramon	MED-DT-3	Tuesday, 1:00 pm - 4:00 pm
Baxter	Mary	GME-3	Monday, 9:00 am - 12:00 pm
Belcher	Sarah	RS-1	Wednesday, 9:00 am - 12:00 pm
Benson	Daniel	GRM-1	Tuesday, 9:00 am - 12:00 pm
Blake	Christopher	D-4	Monday, 1:00 pm - 4:00 pm
Bleazard	Spencer	D-5	Monday, 1:00 pm - 4:00 pm
Boamah	Gralie	CHD-1	Monday, 9:00 am - 12:00 pm
Bolatimi	Oluwanifemi Esther	GRM-2	Tuesday, 9:00 am - 12:00 pm
Brady	Makayla	GRD-3	Tuesday, 9:00 am - 12:00 pm
Brewer	Sinopa	CHD-2	Monday, 9:00 am - 12:00 pm
Bricker	Airada	MED-DT-4	Tuesday, 1:00 pm - 4:00 pm
Britten	Jack	D-6	Monday, 1:00 pm - 4:00 pm

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Brown	Thomas	GRD-4	Tuesday, 9:00 am - 12:00 pm
Cahill	Caitlin	MED-DT-5	Tuesday, 1:00 pm - 4:00 pm
Calvin	Quavon	CHD-3	Monday, 9:00 am - 12:00 pm
Camino	Lucas	GME-4	Monday, 9:00 am - 12:00 pm
Cathey	Dakotah	GRM-3	Tuesday, 9:00 am - 12:00 pm
Cecil	Wendy	GRM-4	Tuesday, 9:00 am - 12:00 pm
Chen	Oscar	MED-DT-6	Tuesday, 1:00 pm - 4:00 pm
Chhachhi	Sneha	MED-DT-7	Tuesday, 1:00 pm - 4:00 pm
Chilton	Paula	RS-2	Wednesday, 9:00 am - 12:00 pm
Chowdhury	Nilufar	GDE-1	Monday, 9:00 am - 12:00 pm
Chugg	Cameron	D-8	Monday, 1:00 pm - 4:00 pm
Chumbler	Madison	D-9	Monday, 1:00 pm - 4:00 pm
Cicha	Madison	RS-3	Wednesday, 9:00 am - 12:00 pm
Clapsaddle	Kathryn	D-10	Monday, 1:00 pm - 4:00 pm
Clements	Noah	MED-DT-8	Tuesday, 1:00 pm - 4:00 pm
Cole	Marsha	F-LIAM-1	Thursday, 9:00 am - 12:00 pm
Collins	Ka'Lynn	UCE-3	Monday, 9:00 am - 12:00 pm
Collins	Seth	D-11	Monday, 1:00 pm - 4:00 pm
Combs	Ryan	F-4	Thursday, 9:00 am - 12:00 pm
Condon	Sally	CRF-1	Wednesday, 1:00 pm - 4:00 pm
Connelly	Brigid	GRM-5	Tuesday, 9:00 am - 12:00 pm
Cox	Raven	MED-DT-9	Tuesday, 1:00 pm - 4:00 pm
Crafton	Christopher	MED-5	Tuesday, 1:00 pm - 4:00 pm
Crouse	Emily	GRD-5	Tuesday, 9:00 am - 12:00 pm
Darul Amne Syed Mohammed	Rameesa	GRD-6	Tuesday, 9:00 am - 12:00 pm
Davis	Erin	F-LIAM-2	Thursday, 9:00 am - 12:00 pm
Decker	Hallie	GPHD-1	Wednesday, 1:00 pm - 4:00 pm
DeLong	Courtney	MED-6	Tuesday, 1:00 pm - 4:00 pm
Desai	Medha	MED-7	Tuesday, 1:00 pm - 4:00 pm
Dilliha	Amanda	D-12	Monday, 1:00 pm - 4:00 pm
Dillon	John	MED-8	Tuesday, 1:00 pm - 4:00 pm
Dodd	Brandon	MED-9	Tuesday, 1:00 pm - 4:00 pm
Doelling	Benjamin	GRM-6	Tuesday, 9:00 am - 12:00 pm
Do	Khoi	MED-DT-10	Tuesday, 1:00 pm - 4:00 pm
Dong	Eric	CHD-4	Monday, 9:00 am - 12:00 pm
Duncan	Anna	MED-10	Tuesday, 1:00 pm - 4:00 pm

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Edwards	Campbell	MED-DT-11	Tuesday, 1:00 pm - 4:00 pm
Eggen	Melissa	GPHD-2	Wednesday, 1:00 pm - 4:00 pm
Eichinger	Justin	MED-DT-12	Tuesday, 1:00 pm - 4:00 pm
Elattar	Aicha	GME-5	Monday, 9:00 am - 12:00 pm
Elmesiry	Omar	GME-6	Monday, 9:00 am - 12:00 pm
Elmore	Caleb	MED-11	Tuesday, 1:00 pm - 4:00 pm
ElNakieb	Yaser	GDE-2	Monday, 9:00 am - 12:00 pm
Elsabban	Yassmin	GME-7	Monday, 9:00 am - 12:00 pm
Erickson	Daniel	GRM-7	Tuesday, 9:00 am - 12:00 pm
Fast	Olivia	D-13	Monday, 1:00 pm - 4:00 pm
Fears	Molly	MED-12	Tuesday, 1:00 pm - 4:00 pm
Feist	Jack	MED-13	Tuesday, 1:00 pm - 4:00 pm
Fell	Claire	MED-DT-13	Tuesday, 1:00 pm - 4:00 pm
Fernando	Jeraan	UCE-4	Monday, 9:00 am - 12:00 pm
Fielder	Nathan	MED-DT-14	Tuesday, 1:00 pm - 4:00 pm
Filson	Anthony	MED-14	Tuesday, 1:00 pm - 4:00 pm
Fischer	Hannah	F-LIAM-3	Thursday, 9:00 am - 12:00 pm
Fischer	Kathleen	F-5	Thursday, 9:00 am - 12:00 pm
Ford	Easton	GRD-7	Tuesday, 9:00 am - 12:00 pm
Forry	Bryce	MED-DT-15	Tuesday, 1:00 pm - 4:00 pm
Fryar	Laura	MED-DT-16	Tuesday, 1:00 pm - 4:00 pm
Funk	Kyle	UCE-5	Monday, 9:00 am - 12:00 pm
Furtado	Wilfred	MED-DT-17	Tuesday, 1:00 pm - 4:00 pm
Gaines	Macgill	MED-15	Tuesday, 1:00 pm - 4:00 pm
Garner	Cameron	MED-16	Tuesday, 1:00 pm - 4:00 pm
Garrison	Taylor	GRD-8	Tuesday, 9:00 am - 12:00 pm
Gautam	Manu	PRF-1	Wednesday, 9:00 am - 12:00 pm
George	Joan	UCE-6	Monday, 9:00 am - 12:00 pm
Gesler	Rebecca	F-6	Thursday, 9:00 am - 12:00 pm
Ghani	Mohammad	CR-3	Tuesday, 1:00 pm - 4:00 pm
Ghare	Smita	F-7	Thursday, 9:00 am - 12:00 pm
Ghosh	Sweta	PRF-2	Wednesday, 9:00 am - 12:00 pm
Gibson	William	GRD-9	Tuesday, 9:00 am - 12:00 pm
Gollamudi	Anusha	MED-DT-18	Tuesday, 1:00 pm - 4:00 pm
Graves	Danielle	MED-17	Tuesday, 1:00 pm - 4:00 pm
Greene	Brandon	UCE-7	Monday, 9:00 am - 12:00 pm
Gripshover	Tyler	GRD-10	Tuesday, 9:00 am - 12:00 pm
Guan	Rebecca	MED-DT-19	Tuesday, 1:00 pm - 4:00 pm

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Guenthner	Steven	MED-18	Tuesday, 1:00 pm - 4:00 pm
Habil	Mariam R.	GRD-11	Tuesday, 9:00 am - 12:00 pm
Hagman	Dallas	RES-1	Wednesday, 1:00 pm - 4:00 pm
Hallenbeck	Michelle	GRD-12	Tuesday, 9:00 am - 12:00 pm
Hammouri	Dana	GRM-8	Tuesday, 9:00 am - 12:00 pm
Hanafy	Mohamed	GDE-3	Monday, 9:00 am - 12:00 pm
Haq	Mohammad	MED-DT-20	Tuesday, 1:00 pm - 4:00 pm
Hardesty	Josiah	PRF-3	Wednesday, 9:00 am - 12:00 pm
Hardin-Fanning	Frances	F-8	Thursday, 9:00 am - 12:00 pm
Harris	Anna-Lee	CHD-5	Monday, 9:00 am - 12:00 pm
Harris	Corrie	F-9	Thursday, 9:00 am - 12:00 pm
Haslem	Rachel	D-14	Monday, 1:00 pm - 4:00 pm
Hassan	Lara	GME-8	Monday, 9:00 am - 12:00 pm
He	Liqing	RA-3	Wednesday, 9:00 am - 12:00 pm
Hicks	Rachel	CHD-6	Monday, 9:00 am - 12:00 pm
Hill	Joshua C.	MED-19	Tuesday, 1:00 pm - 4:00 pm
Hindupur	Esha	HSS-1	Monday, 9:00 am - 12:00 pm
Hirst	Joelle	NUR-1	Wednesday, 1:00 pm - 4:00 pm
Hollanad	Derek	MED-20	Tuesday, 1:00 pm - 4:00 pm
Holland	Joseph	MED-DT-21	Tuesday, 1:00 pm - 4:00 pm
Hong	HeeJue	D-15	Monday, 1:00 pm - 4:00 pm
Hong	Kyung	F-10	Thursday, 9:00 am - 12:00 pm
House	Holly	D-16	Monday, 1:00 pm - 4:00 pm
Howser	Alexa	MED-21	Tuesday, 1:00 pm - 4:00 pm
Huffines	Rhiannon	MED-DT-22	Tuesday, 1:00 pm - 4:00 pm
Ibekwe	Onyee	MED-DT-23	Tuesday, 1:00 pm - 4:00 pm
Isibor	Jessica	MED-22	Tuesday, 1:00 pm - 4:00 pm
Isom	Cierra	GRM-9	Tuesday, 9:00 am - 12:00 pm
Jacobs	Ryan	MED-23	Tuesday, 1:00 pm - 4:00 pm
Jaganathan	Vaitheesh	UCE-8	Monday, 9:00 am - 12:00 pm
Jana	Uddalok	GRD-13	Tuesday, 9:00 am - 12:00 pm
Jayanty	Danielle	RES-2	Wednesday, 1:00 pm - 4:00 pm
Jensen	Tanner	D-17	Monday, 1:00 pm - 4:00 pm
Jha	Suman Kumar	RA-4	Wednesday, 9:00 am - 12:00 pm
Jigo	Raphael Ngozichi	GRD-14	Tuesday, 9:00 am - 12:00 pm
Jin	Choongwon	MED-DT-24	Tuesday, 1:00 pm - 4:00 pm
Johnson	Megan	MED-24	Tuesday, 1:00 pm - 4:00 pm

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Johnson	Sarah	CR-4	Tuesday, 1:00 pm - 4:00 pm
Jones	Colin	D-18	Monday, 1:00 pm - 4:00 pm
Jones	Henderson	RES-3	Wednesday, 1:00 pm - 4:00 pm
Joufflas	Alex	RES-4	Wednesday, 1:00 pm - 4:00 pm
Kabithe	Alyssa	MED-25	Tuesday, 1:00 pm - 4:00 pm
Kaiser	Catherine	GRD-15	Tuesday, 9:00 am - 12:00 pm
Kakar	Aastha	GPHD-3	Wednesday, 1:00 pm - 4:00 pm
Kannan	Manasaa	MED-DT-25	Tuesday, 1:00 pm - 4:00 pm
Karki	Deepa	GRM-10	Tuesday, 9:00 am - 12:00 pm
Kasimati	Kristin	D-19	Monday, 1:00 pm - 4:00 pm
Keele	Garrett	D-20	Monday, 1:00 pm - 4:00 pm
Kemper	Nicholas	MED-DT-26	Tuesday, 1:00 pm - 4:00 pm
Khurana	Shriya	CR-5	Tuesday, 1:00 pm - 4:00 pm
Kidd	La Creis	F-11	Thursday, 9:00 am - 12:00 pm
Kim	Hannah	D-21	Monday, 1:00 pm - 4:00 pm
Kim	Jumin	D-22	Monday, 1:00 pm - 4:00 pm
Kitching	Michael	PRF-4	Wednesday, 9:00 am - 12:00 pm
Kline	Jessica	F-12	Thursday, 9:00 am - 12:00 pm
Knabel	Courtney	D-23	Monday, 1:00 pm - 4:00 pm
Kondaurova	Irina	GPHD-4	Wednesday, 1:00 pm - 4:00 pm
Kouokam Mboutue	Joash	CHD-7	Monday, 9:00 am - 12:00 pm
Kutumbaka	Sanhita	HSS-2	Monday, 9:00 am - 12:00 pm
Kutumbaka	Shriya	HSS-3	Monday, 9:00 am - 12:00 pm
Kyser	Anthony	RS-4	Wednesday, 9:00 am - 12:00 pm
Landers	V.	GRD-16	Tuesday, 9:00 am - 12:00 pm
LaRue	Kayla	MED-26	Tuesday, 1:00 pm - 4:00 pm
Lawson	Mojisola	MED-27	Tuesday, 1:00 pm - 4:00 pm
Layne	Olivia	RS-5	Wednesday, 9:00 am - 12:00 pm
Lee	Jeanju	D-24	Monday, 1:00 pm - 4:00 pm
Lee	Keona	D-25	Monday, 1:00 pm - 4:00 pm
Lee	Paul	D-26	Monday, 1:00 pm - 4:00 pm
Lightman	Rebecca	MED-DT-27	Tuesday, 1:00 pm - 4:00 pm
Li	Oliver	HSS-4	Monday, 9:00 am - 12:00 pm
Littlefield	Andrew	UCE-9	Monday, 9:00 am - 12:00 pm
Lofton	Payton	D-27	Monday, 1:00 pm - 4:00 pm
Long	Charles	RES-5	Wednesday, 1:00 pm - 4:00 pm
Long	Grace	MED-DT-28	Tuesday, 1:00 pm - 4:00 pm
Lopez	Bryan	D-28	Monday, 1:00 pm - 4:00 pm

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Lu	Haiyan	PRF-5	Wednesday, 9:00 am - 12:00 pm
Luo	Jianzhu	RA-5	Wednesday, 9:00 am - 12:00 pm
Luulay	Bana	UCE-10	Monday, 9:00 am - 12:00 pm
Mahmoud	Mohamed Y.	PRF-6	Wednesday, 9:00 am - 12:00 pm
Ma	Jing	GRD-17	Tuesday, 9:00 am - 12:00 pm
Malik	Danial	RS-6	Wednesday, 9:00 am - 12:00 pm
Malkani	Max	GRM-11	Tuesday, 9:00 am - 12:00 pm
Malkawi	Azzam	MED-DT-29	Tuesday, 1:00 pm - 4:00 pm
Mansfield	Jona	CHD-8	Monday, 9:00 am - 12:00 pm
Marshall	Hannah	MED-DT-30	Tuesday, 1:00 pm - 4:00 pm
Martinez	Madeline	UCE-11	Monday, 9:00 am - 12:00 pm
Masthan	Shameera	RA-6	Wednesday, 9:00 am - 12:00 pm
Mayer	Katarina	GRM-12	Tuesday, 9:00 am - 12:00 pm
McDonald	Alec	D-29	Monday, 1:00 pm - 4:00 pm
Metz	Cynthia	F-14	Thursday, 9:00 am - 12:00 pm
Miesner	Sarah	D-30	Monday, 1:00 pm - 4:00 pm
Mishra	Ruchik	GDE-4	Monday, 9:00 am - 12:00 pm
Mitchell	Leah	MED-28	Tuesday, 1:00 pm - 4:00 pm
Mohammadzadeh	Amin	GDE-5	Monday, 9:00 am - 12:00 pm
Moholkar	Disha	GRD-18	Tuesday, 9:00 am - 12:00 pm
Monsen	Robert	PRF-7	Wednesday, 9:00 am - 12:00 pm
Montgomery	Joshua	D-31	Monday, 1:00 pm - 4:00 pm
Moore	Alec	MED-DT-31	Tuesday, 1:00 pm - 4:00 pm
Mostovych	Alexander	MED-DT-32	Tuesday, 1:00 pm - 4:00 pm
Moustafa	Moamen	GME-9	Monday, 9:00 am - 12:00 pm
Mo	Yiqun	RA-7	Wednesday, 9:00 am - 12:00 pm
Mustafa	Muhammad	MED-DT-33	Tuesday, 1:00 pm - 4:00 pm
Myers	Alex	MED-29	Tuesday, 1:00 pm - 4:00 pm
Nadakal	Steven	MED-30	Tuesday, 1:00 pm - 4:00 pm
Naglah	Ahmed	GDE-6	Monday, 9:00 am - 12:00 pm
Naidoo	Kugen	MED-DT-34	Tuesday, 1:00 pm - 4:00 pm
Naidugari	Janki	MED-31	Tuesday, 1:00 pm - 4:00 pm
Nail	Alexandra	PRF-8	Wednesday, 9:00 am - 12:00 pm
Najafian Jazi	Fereydoun	GDE-7	Monday, 9:00 am - 12:00 pm
Nash	Stephen	MED-DT-35	Tuesday, 1:00 pm - 4:00 pm
Neupane	Aryan	GRD-19	Tuesday, 9:00 am - 12:00 pm
Newton	Johnnie	GPHD-5	Wednesday, 1:00 pm - 4:00 pm



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Nguyen	Daniel	GRD-20	Tuesday, 9:00 am - 12:00 pm
Nguyen	Hoa	UCE-12	Monday, 9:00 am - 12:00 pm
Nilson	Jared	D-32	Monday, 1:00 pm - 4:00 pm
Noa de la Paz	Melisa	MED-32	Tuesday, 1:00 pm - 4:00 pm
Olorunsola MHS	Fatai	MED-33	Tuesday, 1:00 pm - 4:00 pm
Osborne	William	MED-34	Tuesday, 1:00 pm - 4:00 pm
Overton	Kristen	CHD-9	Monday, 9:00 am - 12:00 pm
Owoade	Damilola	GPHD-6	Wednesday, 1:00 pm - 4:00 pm
Oyeleye	Ayomikun	UCE-13	Monday, 9:00 am - 12:00 pm
Padgett	Whitney	MED-DT-36	Tuesday, 1:00 pm - 4:00 pm
Palmer	Iona	MED-35	Tuesday, 1:00 pm - 4:00 pm
Parnell	Kathleen	MED-DT-37	Tuesday, 1:00 pm - 4:00 pm
Patel	Deep	MED-DT-38	Tuesday, 1:00 pm - 4:00 pm
Perez	Alex	MED-36	Tuesday, 1:00 pm - 4:00 pm
Peterson	Kirsten	D-33	Monday, 1:00 pm - 4:00 pm
Petri	Belinda	GRD-21	Tuesday, 9:00 am - 12:00 pm
Phillips	Lauren	CR-6	Tuesday, 1:00 pm - 4:00 pm
Pierce	Katherine	MED-DT-39	Tuesday, 1:00 pm - 4:00 pm
Polzin	Baylee	MED-37	Tuesday, 1:00 pm - 4:00 pm
Porter	Jennifer	F-15	Thursday, 9:00 am - 12:00 pm
Puga Sanchez	Lucia	RS-7	Wednesday, 9:00 am - 12:00 pm
Rahbari	Nadieh	MED-DT-40	Tuesday, 1:00 pm - 4:00 pm
Rahman	Amanat Ur	GME-10	Monday, 9:00 am - 12:00 pm
Ramage	Amanda	D-34	Monday, 1:00 pm - 4:00 pm
Ranjan	Rishabh	HSS-5	Monday, 9:00 am - 12:00 pm
Rao	Aakarsha	GRD-22	Tuesday, 9:00 am - 12:00 pm
Raph	Sean	GRD-23	Tuesday, 9:00 am - 12:00 pm
Rasche	Kamille	GRD-24	Tuesday, 9:00 am - 12:00 pm
Ray	Travis	MED-DT-41	Tuesday, 1:00 pm - 4:00 pm
Reeves	Micaela	GRD-25	Tuesday, 9:00 am - 12:00 pm
Rennirt	Savanna	D-35	Monday, 1:00 pm - 4:00 pm
Reynolds	Caitlin	CHD-10	Monday, 9:00 am - 12:00 pm
Rezq	Mohamed	GME-11	Monday, 9:00 am - 12:00 pm
Rodrigues	Roysten	CR-7	Tuesday, 1:00 pm - 4:00 pm
Romero	Haven Gabrielle	CHD-11	Monday, 9:00 am - 12:00 pm
Russell	Stephanie	D-36	Monday, 1:00 pm - 4:00 pm
Sachdeva	Shikha	RES-6	Wednesday, 1:00 pm - 4:00 pm
Saha	Swati	GRM-13	Tuesday, 9:00 am - 12:00 pm

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Sak	Müge	GRD-26	Tuesday, 9:00 am - 12:00 pm
Sallah	Maimuna	CHD-12	Monday, 9:00 am - 12:00 pm
Saner	Staci	F-16	Thursday, 9:00 am - 12:00 pm
Scaglione	Rachel	D-37	Monday, 1:00 pm - 4:00 pm
Schulman	Emily	RS-8	Wednesday, 9:00 am - 12:00 pm
Schwender	Monica	UCE-14	Monday, 9:00 am - 12:00 pm
Scott	Wil	MED-38	Tuesday, 1:00 pm - 4:00 pm
Shah	Charmi	MED-DT-42	Tuesday, 1:00 pm - 4:00 pm
Sheneman	Katelyn	GRD-27	Tuesday, 9:00 am - 12:00 pm
Shrader	Sarah	GRD-28	Tuesday, 9:00 am - 12:00 pm
Sloan	Lucy	GRD-29	Tuesday, 9:00 am - 12:00 pm
Smith	Benjamin	MED-39	Tuesday, 1:00 pm - 4:00 pm
Smith	Jensen	MED-DT-43	Tuesday, 1:00 pm - 4:00 pm
Smith	Tanner	MED-40	Tuesday, 1:00 pm - 4:00 pm
Southern	Alexander	UCE-15	Monday, 9:00 am - 12:00 pm
Stinger	Colton	MED-DT-44	Tuesday, 1:00 pm - 4:00 pm
Sunkara	Manasa	MED-DT-45	Tuesday, 1:00 pm - 4:00 pm
Tarter	Zachary	CR-8	Tuesday, 1:00 pm - 4:00 pm
Tarvestad	Kate	GRD-30	Tuesday, 9:00 am - 12:00 pm
Taylor	Laney	RS-9	Wednesday, 9:00 am - 12:00 pm
Thompson	Hanna	MED-41	Tuesday, 1:00 pm - 4:00 pm
Tierney	Paige	D-38	Monday, 1:00 pm - 4:00 pm
Tofangchi	Alireza	RS-10	Wednesday, 9:00 am - 12:00 pm
Tran	Minh	MED-DT-46	Tuesday, 1:00 pm - 4:00 pm
Tranthen	Lauren	MED-DT-47	Tuesday, 1:00 pm - 4:00 pm
Travers	Sydney	MED-DT-48	Tuesday, 1:00 pm - 4:00 pm
Tsiouvaras	Laura	D-39	Monday, 1:00 pm - 4:00 pm
Udoh	Karen	MED-42	Tuesday, 1:00 pm - 4:00 pm
Vemuri	Vasa	UCE-16	Monday, 9:00 am - 12:00 pm
Verjan	Noel	PRF-9	Wednesday, 9:00 am - 12:00 pm
Vielee	Samuel	GRM-14	Tuesday, 9:00 am - 12:00 pm
Wadhwa	Shruti	MED-43	Tuesday, 1:00 pm - 4:00 pm
Wakeel	Jafir	RS-11	Wednesday, 9:00 am - 12:00 pm
Walls	Kennedy	GRD-31	Tuesday, 9:00 am - 12:00 pm
Wally	Shrouk	GME-12	Monday, 9:00 am - 12:00 pm
Walter	Mary Nancy	GRD-32	Tuesday, 9:00 am - 12:00 pm
Wang	Min	RA-8	Wednesday, 9:00 am - 12:00 pm
Ward	Jeanne	NUR-2	Wednesday, 1:00 pm - 4:00 pm

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Warner	Jeffrey	GRD-33	Tuesday, 9:00 am - 12:00 pm
Watson	Amira	D-40	Monday, 1:00 pm - 4:00 pm
Watson	Corey	F-17	Thursday, 9:00 am - 12:00 pm
Watson	Walter	F-18	Thursday, 9:00 am - 12:00 pm
Weingartner	Laura	F-LIAM-4	Thursday, 9:00 am - 12:00 pm
Wells	Collin	GRD-34	Tuesday, 9:00 am - 12:00 pm
Wells	Rieser	D-41	Monday, 1:00 pm - 4:00 pm
West	Natalie	MED-44	Tuesday, 1:00 pm - 4:00 pm
Whiddon	Zachary	GRD-35	Tuesday, 9:00 am - 12:00 pm
White	Collin	RS-12	Wednesday, 9:00 am - 12:00 pm
Wichmann	Emma	UCE-17	Monday, 9:00 am - 12:00 pm
Wilkerson	Caitlin	GRM-15	Tuesday, 9:00 am - 12:00 pm
Williams	Aggie	GRD-36	Tuesday, 9:00 am - 12:00 pm
Williams	Jared	GRM-16	Tuesday, 9:00 am - 12:00 pm
Willis	Dawson	MED-45	Tuesday, 1:00 pm - 4:00 pm
Wilson	Megan	MED-DT-49	Tuesday, 1:00 pm - 4:00 pm
Winrich	Evan	RES-7	Wednesday, 1:00 pm - 4:00 pm
Wise	James	PRF-10	Wednesday, 9:00 am - 12:00 pm
Woolley	Cassandra	GRD-37	Tuesday, 9:00 am - 12:00 pm
Wu	Dongfeng	F-19	Thursday, 9:00 am - 12:00 pm
Xie	Benjamin	MED-DT-50	Tuesday, 1:00 pm - 4:00 pm
Xu	Manting	MED-DT-51	Tuesday, 1:00 pm - 4:00 pm
Xu	Raobo	GRD-38	Tuesday, 9:00 am - 12:00 pm
Yakoumatos	Ryan	HSS-6	Monday, 9:00 am - 12:00 pm
Zhang	Yuanbao	GPHD-7	Wednesday, 1:00 pm - 4:00 pm