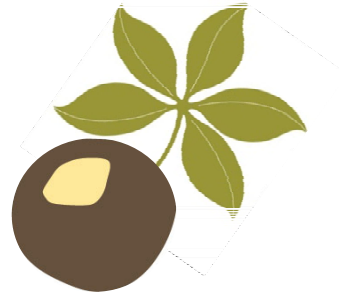


**Trainee
Research Day**

The Ohio State University College of Medicine
The Ohio State University Wexner Medical Center
The Research Institute at Nationwide Children's Hospital

2021 OSU College of Medicine Trainee Research Day



THE OHIO STATE UNIVERSITY

COLLEGE OF MEDICINE

Agenda

Tuesday, April 6th, 2021

LIVESTREAMED LECTURES

11:00 - 12:15 Introductory Comments by Dean Bradford

Keynote Speaker, Ruth Lehmann PhD., “Germ Cells Are Forever”

The session will be moderated by Ginny L. Bumgardner MD, PhD, FACS, Associate Dean for Research Education, Professor of Surgery, Comprehensive Transplant Center. Dr. Bumgardner will host a Q&A session (11:50-12:15) following the presentation.

BREAK

1:15-2:30 **State-of-the-Art OSU Faculty Lectures**

Ginny L. Bumgardner MD PhD., Associate Dean for Research Education, will moderate the session. She will host a Q&A following each lecture.

Elaine Mardis, PhD, Professor of Pediatrics at The Ohio State University College of Medicine, Co-Executive Director of the Institute for Genomic Medicine at Nationwide Children’s Hospital

“A role for genomics in pediatric precision medicine”

&

Isabelle Deschenes, PhD., Professor and Chair Physiology and Cell Biology at The Ohio State University College of Medicine

“Studying incomplete penetrance in inherited arrhythmias”

2:30-2:15 **Award Ceremony & Concluding Remarks**

Opening Remarks by Daniel Clinchot MD

Announcement of Trainee Awards by Ginny L. Bumgardner MD PhD

2021 Keynote Address



A developmental geneticist and cell biologist, **Ruth Lehmann, PhD** studies the biology of the reproductive cells. Her research has illuminated how germ cells, the precursors of egg and sperm, control reproduction from generation to generation. Studying the germ cell lifecycle, she elucidated mechanisms of extra-chromosomal inheritance by focusing on how RNA and mitochondria in the egg cytoplasm are transmitted from the egg to the next generation and determined how germ cells attain their unique fate, how they differentiate into functional gametes and how they retain totipotency to protect the continuity of the species. Lehmann's recent work proposed a mechanism through which harmful mutations in mitochondrial DNA are eliminated during oogenesis, which has implications for better understanding the transmission of human mitochondrial disorders.

Dr. Lehmann received her Ph.D. with Nobel Laureate Dr. Christiane Nüsslein-Volhard at the Max Plank Institute in Tübingen, Germany. After postdoctoral training at Medical Research Council in Cambridge, UK, she joined the Whitehead Institute of Biomedical Research and the faculty of the Massachusetts Institute of Technology (MIT), before she was recruited to the then newly founded Skirball Institute for Biomolecular Medicine at NYU Langone Health. Prior to moving back to the Whitehead Institute and MIT in 2020, she was Laura and Isaac Perlmutter

Professor and Chair of the department of Cell Biology at NYU Langone Medical Center, where she directed the Skirball Institute for Biomolecular Medicine. She was also an investigator of the Howard Hughes Medical Institute from 1990-1996 and from 1997-2020. This summer, Dr. Lehmann re-joined the Whitehead Institute as its fifth the president and director and is also a professor in the Department of Biology at MIT.

Dr. Lehmann is a member of the American Academy of Arts Sciences (1998) and the National Academy of Sciences (2005), Associate (foreign) Member of EMBO (2012). She was awarded the Conklin Medal of the Society of Developmental Biology, was the inaugural recipient of the Klaus Sander Prize of the German Society for Developmental, received the Keith Porter Award from the American Society of Cell Biology and most recently the Vilcek Award, which recognizes immigrants with a legacy of outstanding achievements in the biomedical sciences, and the Amory Award from the American Academy of Sciences. Dr. Lehmann has been the President of the Society for Developmental Biology and serves as President of the American Society for Cell Biology in 2021. She is a tireless advocate for basic research and strives to empower scientists to pursue their experimental dreams in a fair, safe and inspiring environment.

2021 State of the Art Lecture Series



Elaine Mardis, PhD is co-Executive Director of the Steve and Cindy Rasmussen Institute for Genomic Medicine at Nationwide Children's Hospital and holds the Rasmussen Nationwide Foundation Endowed Chair of Genomic Medicine. She also is Professor of Pediatrics at The Ohio State University College of Medicine. Educated at the University of Oklahoma with a B.S. in Zoology and a Ph.D. in Chemistry and Biochemistry, Dr. Mardis did postgraduate work in industry at BioRad Laboratories. She was a member of the faculty of Washington University School of Medicine from 1993-2016. Dr. Mardis has authored over 350 articles in peer-reviewed journals and has been listed since 2013 as one of the most highly cited researchers in the world by Thompson Reuters. Dr. Mardis was given the Morton K. Schwartz award from the American Association for Clinical Chemistry in 2016 and the Heath Memorial Award from MD Anderson Cancer Center in 2020. Dr. Mardis is the Immediate Past AACR President. She was elected a Fellow of the AACR Academy, and was elected to membership in the National Academy of Medicine in 2019. State of the Art Speaker.



Isabelle Deschenes, PhD is Professor and Chair of Physiology and Cell Biology. Her research focuses on the molecular basis of cardiac arrhythmias. Studying the fundamental molecules that underlie the electrical function of the heart: ion channels and their accessory subunits. Cardiac excitability is finely controlled by a combination of depolarizing and repolarizing currents. Regulation and dysregulation of a host of inward and outward ion currents play a major role in numerous clinically relevant cardiac arrhythmias. Her lab utilizes electrophysiological, biochemical, molecular, and imaging techniques to study the involvement of ion channels and their accessory subunits in arrhythmias. Among patients at high risk for sudden cardiac death are those with inherited cardiac arrhythmias caused by mutations in ion channels subunits referred to as channelopathies. One of her research focuses has been to elucidate the mechanisms involved in this incomplete penetrance seen in cardiac channelopathies through the use of patient-specific induced pluripotent stem cells in order to identify modifier genes.

2021 Mentor of the Year

In 2011, The Distinguished Biomedical Research Mentor of the Year Award was established to recognize outstanding trainee mentorship by OSU College of Medicine faculty at The Ohio State University Wexner Medical Center and Nationwide Children's Hospital. Award winners are selected from nominations submitted by trainees from the OSU COM and RINCH. This award is intended to recognize and reward faculty mentors who model a passion for biomedical research and help trainees to grow and succeed in their research training. The faculty mentor chosen as the Distinguished Biomedical Research Mentor of the Year receives a commemorative plaque presented at the Trainee Research Day awards ceremony, a dinner in their honor with the Trainee Committee Planning, and a travel award to be used by a trainee in their lab.



Ken Oestreich, PhD., Associate Professor, Microbial Infection and Immunity

The research in Dr. Oestreich's laboratory focuses on better understanding how environmental signals and transcription factors govern cellular differentiation and function in the immune system. The formation of the immune system is entirely dependent on the ability of numerous cell types to arise from a common progenitor. Developmental transcription factors are necessary for regulating the cell-type-specific gene expression patterns dictating the phenotype of each of these unique cells. Unfortunately, mutations in these key factors often lead to their improper function, resulting in cancer and autoimmune disease. Therefore, it is critically important to understand the molecular mechanisms by which transcription factors direct cell-specific gene expression profiles.

By employing cutting-edge molecular biology techniques, our team seeks to elucidate the developmental and dynamic mechanisms that lead to the proper differentiation and function of individual immune cell types. Thus, the overarching goal of our research is to gain a better understanding of how environmental signals and developmental transcription factors regulate gene expression patterns, and to use this knowledge to develop novel immunotherapeutic strategies to aid in the treatment of human disease.



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2021 OSU College of Medicine Trainee Research Day Digital Poster Directory

Posters are organized by research category and then alphabetically.

- ❖ Category 1: Cancer Biology & Clinical Cancer Research
- ❖ Category 2: Basic and Applied Research in Inflammation, Infection & Immunology
- ❖ Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics
- ❖ Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics
- ❖ Category 5: Research in Special Populations and Community Research
- ❖ Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders
- ❖ Category 7: Cell Biology and Organ Specific Disorders

❖ **Stephanie Adame**, Medical Student

Project Title: Diffuse Large B-Cell Lymphoma: Population Differences in Presentation, Genetics, and Survival

Advisor: John Trinidad MD, MPH

Department: Internal Medicine

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/169-36b262bdcf75dda2ae155e9c65c0e7db_Stephanie_Adame.pptx

❖ **Jae Baek**, Medical Student

Project Title: Fracture risk in women undergoing treatment for gynecologic malignancies

Advisor: Kristin Bixel MD

Department: Obstetrics/Gynecology

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/183-19d75ea0c06639ef6b06f40faa5ab9da_Jae_Baek.pptx

❖ **Brooke Benner**, Postdoctoral Researcher/Fellow

Project Title: A pilot study of Bruton's tyrosine kinase inhibitor ibrutinib alone and in combination with PD-1 inhibitor nivolumab in patients with metastatic solid tumors

Advisor: William Carson MD

Department: Surgery

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/183-db06d1a467ab3f682fd112ad6225c3d9_Brooke_Benner.pptx

❖ **Russell Bonneville**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Genomic and Transcriptomic Characterization of Relapsed Small Cell Lung Carcinoma through Research Autopsy

Advisor: Sameek Roychowdhury MD, PhD

Department: Internal Medicine

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: https://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/169-01214f683352c869ce2ff7000b0e47b2_Russell_Bonneville_v2.pptx

❖ **Woo Yul Byun**, Medical Student

Project Title: TCR Sequencing to Identify Responders in Patients with Stage III NSCLC Treated with Atezolizumab

Advisor: Terence Williams MD, PhD

Department: Radiation Oncology

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/172-e52d486290e8081ac131d6c7b6287150_WooYul_Byun.pptx

❖ **Youjin Cho**, Medical Scientist Training Program (MSTP)

Project Title: Investigating Mechanical Markers in Lung Cancer

Advisor: Samir Ghadiali PhD

Department: Biomedical Engineering

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/120-11bd507d4deb307b0f8bdc33adf44940_Youjin_Cho.pptx

❖ **Mallory Divincenzo**, Postdoctoral Researcher/Fellow

Project Title: microRNA expression patterns in melanomas originating from gynecologic sites

Advisor: William Carson MD

Department: Surgery

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/199-7818c49e8506282920f520a4485f5e95_Mallory_DiVincenzo.pptx

❖ **Sydney Fobare**, Medical Scientist Training Program (MSTP)

Project Title: Developing a murine model of PTPN11 and NPM1 mutated acute myeloid leukemia

Advisor: Erin Hertlein PhD

Department: Internal Medicine

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/141-5862e21f23e5692c044dcac7f37fc6ba_Sydney_Fobare.pptx

❖ **Micah Harris**, Medical Student

Project Title: Multi-institutional analysis of central nervous system (CNS) germ cell tumors (GCTs) in patients with Down syndrome (DS).

Advisor: Mohamed Abdelbaki MD

Department: Nationwide Children's Hospital

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/212-2288b52f72a6ef5ef58d173e7f777335_Poster_for_MDSR_.pptx

❖ **Ilse Hernandez Aguirre**, Medical Scientist Training Program (MSTP)

Project Title: Characterizing the minimal binding domain of syndecan-4 (SDC-4) to glycoprotein non-metastatic melanoma protein B (GPNMB)

Advisor: Kevin Cassady MD

Department: Nationwide Children's Hospital

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/138-3f67a52b5f8c272ca4bf79d089539f6c_Ilse_HernandezAguirre.pptx

❖ **Emily Hoskins**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Characterization of gene fusions through the Oncology Research Information Exchange Network (ORIEN)

Advisor: Sameek Roychowdhury MD, PhD

Department: Internal Medicine

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/120-d2a15cbdc12c0aa05d3489f68360e192_emily_hoskins_presentation.pptx

❖ **Justin Jiang**, Medical Student

Project Title: Overall Survival in Patients Undergoing Allogeneic Stem Cell Transplantation: An Institutional Experience

Advisor: Nidhi Sharma PhD

Department: Internal Medicine

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/129-a513ee1d4e01bf54d598b1dae644cfa8_Justin_Jiang.pptx

❖ **Doyeon Kim**, Postdoctoral Researcher/Fellow

Project Title: CNPY2 plays an extrinsic role in HCC through regulation of Macrophage

Advisor: Feng Hong MD, PhD

Department: Medical Oncology

Research Area: Basic

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/98-3aac6e37c9843bf35fc8c003cf2d3f98_Doyeon_Kim.pptx

❖ **Melanie Krook**, Postdoctoral Researcher/Fellow

Project Title: Focused FGFR sequencing permits fusion monitoring in serial cfDNA and reveals an expanded landscape of FGFR resistance mutations through rapid research autopsy

Advisor: Sameek Roychowdhury MD, PhD

Department: Internal Medicine

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/183-8aa03dbfdf14e359df911525729ea02d_Melanie_Krook.pptx

❖ **Monica Levine**, Resident/Clinical Fellow

Project Title: Retrospective Analysis of Oncologic Outcomes by Germline and Somatic Genetic Status in Patients with Ovarian Cancer

Advisor: Floor Backes MD

Department: Obstetrics/Gynecology

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/6-69f6a05f33e6cea1e1faaec790563c12_Retrospective_Analysis_of_Oncologic_Outcomes_by_Germline_and_Somatic_Genetic_Status_in_Patients_with_Ovarian_Cancer_3.8.21_with_recording.pptx

❖ **Matthew Lordo**, Medical Scientist Training Program (MSTP)

Project Title: Acute Myeloid Leukemia Alters Group 1 Innate Lymphoid Cell Differentiation from a Common Precursor

Advisor: Bethany Mundy-Bosse PhD

Department: Internal Medicine

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/208-18287ce0577ba76426ea01e58dc6f4ef_Matthew_Lordo.pptx

❖ **Jennifer Matsui**, Medical Student

Project Title: Clinical Outcomes and Efficacy of Stereotactic Body Radiation Therapy in Metastatic Pediatric Solid Tumors

Advisor: Sujith Baliga MD

Department: Radiation Oncology

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/129-14de0cfe5f1952de02ccc8baf809e18b_SBRT_Poster_final.pptx

❖ **Erika Mendoza Mendoza**, Discovery Prep Trainee

Project Title: Functional Characterization of BRCA1 Variants Using Singleton Homology-Directed DNA Repair Reporter Assay

Advisor: Jeffrey Parvin MD, PhD

Department: Biomedical Informatics

Research Area: Basic

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/120-f163c52c209f4a5283072e6f0b1a0e36_Erika_Mendoza_Mendoza.pptx

❖ **Nijole Pollock**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Differences in somatic TP53 mutation type in breast tumors by race and receptor status

Advisor: Amanda Toland PhD

Department: Molecular Carcinogenesis and Chemoprevention

Research Area: Basic

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/206-dc078c47b44a1e64ceb8e64d3f0380c8_Nijole_Pollock.pptx

❖ **Janani Ravikrishnan**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: The BCL2/XL inhibitor LP-118 targets venetoclax resistant Chronic Lymphocytic Leukemia

Advisor: Jennifer Woyach MD

Department: Internal Medicine

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/6-98038bec3100d25ffa3f6a1ea1f72cba_Janani_Ravikrishnan.pptx

❖ **Ria Richards**, Medical Student

Project Title: Fracture Patterns Among Women Undergoing Treatment For Gynecologic Malignancies

Advisor: Kristin Bixel MD

Department: Gynecologic Oncology

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/215-c2d19c8d551f050f34a7446348610c6e_Ria_Richards.pptx

❖ **Chandler Rygalski**, Medical Student

Project Title: Predictors of postoperative radiation therapy and effects on survival in oral cavity verrucous carcinoma

Advisor: Stephen Kang MD

Department: Otolaryngology

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/172-b343fa7d75c4553a3bfae30dd8450d92_Chandler_Rygalski.pptx

❖ **Himanshu Savardekar**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Single Cell RNA seq Analysis of Cancer Patient Myeloid Derived Suppressor Cells Following Inhibition of Bruton's Tyrosine Kinase

Advisor: William Carson MD

Department: Surgery

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/112-119a3b37b5ff2de5708f543b5cfe4d4a_Himanshu_Savardekar.pptx

❖ **Shruthi Sethuraman**, Medical Student

Project Title: Clinical characteristics of low risk patients developing oral cavity cancer

Advisor: Nolan Seim MD

Department: Otolaryngology

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/206-d5b17a63ee08dd913463a40854a1c077_Shruthi_Sethuraman.pptx

❖ **Steven Sher**, Medical Scientist Training Program (MSTP)

Project Title: Investigation of the Preclinical Efficacy of VIP152 in Chronic Lymphocytic Leukemia

Advisor: Rosa Lapalombella PhD

Department: Internal Medicine

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/49-ff9eb4375913245a033135b7854ab52f_Steven_Sher.pptx

❖ **Katiri Snyder**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: BET Inhibition dampens T cell inflammatory response and is a therapeutic approach for acute graft-versus-host disease

Advisor: Parvathi Ranganathan PhD

Department: Internal Medicine

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/49-da0bcfd02e5fc15b6b5a5c483c4d4a07_Katiri_Snyder.pptx

❖ **Shankar Suman**, Postdoctoral Researcher/Fellow

Project Title: Targeting drug-tolerant persister cells through β -catenin inhibition improves the response to osimertinib in EGFR-mutant non-small cell lung cancer (NSCLC)

Advisor: Regan Memmott MD, PhD

Department: Internal Medicine

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/141-a652c67f662a81b5ddc276419dba81da_Suman-Narrated_poster.pptx

❖ **Steven Sun**, Resident/Clinical Fellow

Project Title: Differences in Myeloid Derived Suppressor Cell Populations in Patients with Ulcerated vs Non-Ulcerated Melanoma Receiving Immune Checkpoint Blockade

Advisor: William Carson MD

Department: Surgery

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/138-bfd7c0f6b971db987f3858e191e9a406_Steven_Sun.pptx

❖ **Nitya Surya**, Medical Student

Project Title: Prognostic value of Neutrophil to Lymphocyte ratio in NSCLC patients receiving first line Immune Checkpoint Inhibitor therapy

Advisor: Dwight Owen MD

Department: Internal Medicine

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/120-db2bc0c324026fb672fd13d6fafdbf97_Nitya_Surya_Poster_recording_.pptx

❖ **Miranda Tallman**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Inhibition of NF- κ B signaling by CBL0137 to target RELA fusion-positive endymoma

Advisor: Monica Venere PhD

Department: Radiation Oncology

Research Area: Basic

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/203-ee43fc155c82bcc4b861136a408b0e4b_Miranda_Tallman.pptx

❖ **Nguyen Tram**, Postdoctoral Researcher/Fellow

Project Title: Evaluating the Prognostic Value of Body Composition for Predicting Clinical Outcomes in Pediatric, Adolescent, and Young Adult Patients with Lymphoma

Advisor: Mitchel Stacy PhD

Department: Nationwide Children's Hospital

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/198-a15a7f768db48263145812d799df748e_Nguyen_Tram.pptx

❖ **Phoebe Um**, Medical Student

Project Title: Poor Adherence to Recommended Surveillance Intervals in Barrett's Esophagus Patients with High-Grade Dysplasia and Carcinoma In-Situ is Associated with Decreased Detection of Recurrence

Advisor: Gokulakrishnan Balasubramanian MD

Department: Internal Medicine

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/203-42f807309ba59f144cf9d5422e5b4c6f_Phoebe_Um.pptx

❖ **Walter Wang**, Medical Scientist Training Program (MSTP)

Project Title: ROR1/BCL2 Combination Therapy of Small Cell Carcinoma of the Lung

Advisor: Jose Otero MD, PhD

Department: Pathology

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/215-d08d555a7c91f95b7941edc3940d2c05_Walter_Wang.pptx

❖ **Wesley Wang**, Medical Scientist Training Program (MSTP)

Project Title: Novel Insights in Tumor Microenvironment Response in Glioblastoma Patients Reveal Variation in Clinical Survival and Improved Stratification of Progressive and Pseudoprogressive Disease

Advisor: David Carbone MD, PhD

Department: Internal Medicine

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/169-de7d9cf4c7ceb3bf66c0fec6111425c5_Wesley_Wang_Research_Day_Poster.pptx

❖ **Reese Watkins**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Harnessing therapy-induced senescence to enhance anti-tumor immunity

Advisor: Anna Vilgelm MD, PhD

Department: Pathology

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/6-02816dcf740d9c46575569b0e7d23662_Reese_Watkins.pptx

❖ **Ashlee Weaver**, Medical Student

Project Title: Wide local excision of the vulva: are there differences in outcomes between gynecologic oncologists and general gynecologists?

Advisor: Casey Cosgrove MD

Department: Obstetrics/Gynecology

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/120-adcea8d3a79f25e50f206f3c6317f8f6_Ashlee_Weaver.pptx

❖ **Douglas Wu**, Medical Student

Project Title: Reclassifying pT3 renal pelvic urothelial carcinoma with renal parenchyma invasion to pT2 improves correlation with overall survival

Advisor: Debra Zynger MD

Department: Pathology

Research Area: Clinical

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/54-44e179d6f5b2b4f9458a8bd49182ab60_Douglas_Wu_Poster.pptx

❖ **Youssef Youssef**, Postdoctoral Researcher/Fellow

Project Title: A Novel Targeted Combination Therapy for Extra-Nodal NK/T-cell Lymphoma (ENKTL)

Advisor: Lapo Alinari MD, PhD

Department: Internal Medicine

Research Area: Translational

Research Category: Category 1: Cancer Biology & Clinical Cancer Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/206-d37ca3e61e93c7802d71b529b52c2656_03092021_-_Ready_for_submission_with_recording.pptx

❖ **Gabrielle Brokamp**, Medical Student

Project Title: Long Term Remission of PASH Syndrome

Advisor: Mark Bechtel MD

Department: Dermatology

Research Area: Clinical

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/141-a378c81f7b77dfcd63ed11aa4b7f89a9_PASH_Syndrome_Research_Trainee.pptx

❖ **Jacob Brooks**, Medical Student

Project Title: Mapping Bacterial Biofilm on Features of Orthopedic Implants in vitro

Advisor: Paul Stoodley PhD

Department: Microbial Infection and Immunity

Research Area: Translational

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/129-4dc316444fc1935cd0834bf6420377db_Jacob_Brooks.pptx

❖ **Rachel Brown**, Medical Scientist Training Program (MSTP)

Project Title: Regulators of Type III Cytokines in Type III Innate lymphoid Cells Identified by CRISPR Activation and Inhibition Screens

Advisor: Eugene Oltz PhD

Department: Microbial Infection and Immunity

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/138-6d1fe4f3d533b00cc8e6764a4f0612e6_Brown_Rachel.pptx

❖ **Peter Burbach**, Undergraduate

Project Title: Serum and Synovial Fluid Induced Macroscopic Aggregation and Antimicrobial Impact on Staphylococcus aureus

Advisor: Paul Stoodley PhD

Department: Microbial Infection and Immunity

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/140-ee0a4f120048e01148a18c48d3539f70_Peter_Burbach.pptx

❖ **Erin Connors**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Sugars as Drugs: Exploiting Sugar Metabolism in Bacteria

Advisor: Brian Ahmer PhD

Department: Microbial Infection and Immunity

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/203-9352832eb5916562c973c4211ab68cc6_Erin_Connors.pptx

❖ **Kylene Daily**, Medical Scientist Training Program (MSTP)

Project Title: Restoring Degradative Function in Alzheimer's Disease Microglia

Advisor: Amal Amer MD, PhD

Department: Microbial Infection and Immunity

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/172-50ce42cd79853ae4b59066cef61d9a86_Kylene_Daily.pptx

❖ **Nicholas Deems**, Graduate Student Neurosciences Graduate Program

Project Title: Post-surgical morphine prolongs hippocampal dysfunction in aged rats

Advisor: Ruth Barrientos PhD

Department: Psychiatry

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/140-5f6a30ec19ca6278730479884a0186d1_Nicholas_Deems.pptx

❖ **Greg Eisinger**, Resident/Clinical Fellow

Project Title: Disulfiram exerts dose-dependent activating and inhibitory effects on the human inflammasome

Advisor: Mark Wewers MD

Department: Internal Medicine

Research Area: Translational

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/169-18e9fcd238ea2e5d62a74d2c430bd8b5_Greg_Eisinger2.pptx

❖ **Rebecca Glowinski**, Medical Scientist Training Program (MSTP)

Project Title: Severe Respiratory Syncytial Virus Infection is Associated with Decreased Interferon Gene Expression in the Nasal Mucosa

Advisor: Asuncion Mejias MD, PhD

Department: Nationwide Children's Hospital

Research Area: Translational

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/198-8da9b88dba7d9d11b6e085789f954645_Rebecca_Glowinski.pptx

❖ **Rajdeep Grewal**, Postdoctoral Researcher/Fellow

Project Title: Modeling spatiotemporal signaling of Natural Killer cells

Advisor: Jayajit Das PhD

Department: Pediatrics

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/54-55bbfa5c1d780e8c6b505ead2aa3d5c0_Rajdeep_Grewal.pptx

❖ **Niraj Gupta**, Other

Project Title: Culture-free detection of bacterial contaminants in household cleaning products using deep neural networks.

Advisor: Paul Stoodley PhD

Department: Microbial Infection and Immunity

Research Area: Translational

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/203-af20396d8f679f78a13ef612645534e5_Gupta_et_al_Research_Trainee_Day_2021.pptx

❖ **Yannis Hadjiyannis**, Medical Student

Project Title: Defining the Mechanism of Intestinal Dysfunction and Mucosal Histologic Aberration in APECED-associated Dysbiosis

Advisor: Michail Lionakis MD

Department: Laboratory of Clinical Immunology & Microbiology, National Institute of Allergy and Infectious Diseases

Research Area: Translational

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/169-f36f735f5140a0d197edb58a347b73ba_Yannis_Hadjiyannis.pptx

❖ **Kaitlin Hamilton**, Graduate Student Molecular, Cellular and development Biology Graduate Program

Project Title: Defective immunometabolism pathways in cystic fibrosis macrophages

Advisor: Amal Amer MD, PhD

Department: Microbial Infection and Immunity

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/61-e51d12953744450dbb2b93640f187d9b_Kaitlin_Hamilton.pptx

❖ **Aaren Kettelhut**, Medical Scientist Training Program (MSTP)

Project Title: Altered Cardiovascular Disease Risk in HIV-infection with Estrogen Therapy in Transgender Women

Advisor: Nicholas Funderburg PhD

Department: Health Rehabilitation and Sciences

Research Area: Translational

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/98-5a78ad4a6ec059bf5a1bcff3847df658_Aaren_Kettelhut.pptx

❖ **Abigail Leggett**, Graduate Student

Project Title: Unique metabolite and pathway differences between planktonic and biofilm states in *Pseudomonas aeruginosa* (PAO1) by NMR-based metabolomics

Advisor: Paul Stoodley PhD

Department: Microbial Infection and Immunity

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/181-4378ca1be1309183177e19121a64a6eb_Abigail_Leggett.pptx

❖ **Brandon Lewis**, Postdoctoral Researcher/Fellow

Project Title: Resident Lung Macrophages Contribute to Enhanced Airway Hyperresponsiveness and Corticosteroid Insensitivity in a Mouse Model of Severe Allergic Airway Inflammation

Advisor: Rodney Britt PhD

Department: Nationwide Children's Hospital

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/138-4db204e6bbd15c648f338b77c07550db_Brandon_Lewis.pptx

❖ **Nashali Massa**, Discovery Prep Trainee

Project Title: The effects of Aging and High Fat Diet on Intestinal Inflammation and Mitochondrial Homeostasis

Advisor: Ruth Barrientos PhD

Department: Neuroscience

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/54-b604d7542e893147b00a9ae603fa25f7_Nashali_Massa.pptx

❖ **Kelly Moore**, Undergraduate

Project Title: Elution Kinetics from Antibiotic-Loaded Calcium Sulfate Beads, Antibiotic-Loaded Polymethacrylate Spacers, and a Powdered Antibiotic Bolus for Surgical Site Infections in a novel In Vitro Draining Knee Model

Advisor: Paul Stoodley PhD

Department: Microbial Infection and Immunity

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/181-7cad094eb30ec2f01590cd5047553228_Kelly_Moore.pptx

❖ **Debasmita Mukherjee**, Graduate Student Molecular, Cellular and development Biology Graduate Program
Project Title: Soy-tomato enriched diet reduces inflammation and disease severity in a pre-clinical model of chronic pancreatitis
Advisor: Thomas Mace PhD
Department: Internal Medicine
Research Area: Translational
Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology
Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/169-4ab0ebf52331d053339bc881d475d87f_Debasmita_Mukherjee.pptx

❖ **Lauren Otto**, Medical Scientist Training Program (MSTP)
Project Title: Mammary tumors may suppress neuroimmune responses to immune challenge independent of peripheral immune signaling
Advisor: Leah Pyter PhD
Department: Psychiatry
Research Area: Translational
Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology
Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/129-e24d9676ed0c7b6dab50b5ee24b3794b_Lauren_Otto.pptx

❖ **Thomas Perry**, Medical Student
Project Title: Management of Prosthetic Graft Infections: A Word of Caution
Advisor: Timur Sarac MD
Department: Surgery
Research Area: Translational
Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology
Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/98-313f41fbdfd4096d39d9e9eea46ee255_Thomas_Perry.pptx

❖ **Manisha Ravi**, Medical Student
Project Title: The impact of comorbidity identification on long-term outcomes in pyoderma gangrenosum: a retrospective cohort study of hospitalized patients
Advisor: Benjamin Kaffenberger MD
Department: Dermatology
Research Area: Clinical
Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology
Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/129-81ff08de76834a0960da58d70fef74b5_Manisha_Ravi.pptx

❖ **Kaitlin Read**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Eos differentially regulates Th1 versus Tfh differentiation through feed-forward propagation of the IL-2/STAT5 signaling pathway

Advisor: Ken Oestreich PhD

Department: Microbial Infection and Immunity

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/98-3424bdbf3a5de77a3f87b994d6f003_Kaitlin_Read_Research_Day_Poster_FINAL.pptx

❖ **Jenny Resiliac**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Role of MyD88 in lipopolysaccharide (LPS) protection from post-viral airway disease

Advisor: Mitchell Grayson MD

Department: Nationwide Children's Hospital

Research Area: Translational

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/112-0151a84b86c00b825a7fa70b6e32ab66_Updated_OSU_Research_Day_2021_%281%29.ppsx

❖ **Bryce Ringwald**, Medical Student

Project Title: Invariant NKT cells promote expansion of novel CXCR3+CCR4+CD8+ T cells in the liver following allogeneic hepatocyte transplant

Advisor: Ginny Bumgardner MD, PhD

Department: Surgery

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/169-3813e19cde8383b72e2a5f3e30500897_Research_Day_Poster_2021.pptx

❖ **Shouvonik Sengupta**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Role of PRMT5 on splicing events in T cell biology

Advisor: Mireia Guerau PhD

Department: Health and Rehabilitation Sciences

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/141-a1b0aaddfd349bda3bbca28224c936ae_Shouvonik_Sengupta.pptx

❖ **Devin Sindeldecker**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Elimination of Antibiotic Resistant and Tolerant Variant Emergence

Advisor: Paul Stoodley PhD

Department: Microbial Infection and Immunity

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/49-642f2d910657242075d0ff52a3378821_Devin_Sindeldecker.pptx

❖ **Amelia Staats**, GRA in Microbiology

Project Title: The kinetics and pathogenic implications of Staphylococcus aureus synovial fluid-induced aggregation

Advisor: Paul Stoodley PhD

Department: Microbial Infection and Immunity

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/115-ef6604dc2f49c7d215397e2f96e21f0b_Amelia_Staats.pptx

❖ **Jasmine Tuazon**, Medical Scientist Training Program (MSTP)

Project Title: The Ikaros zinc finger transcription factor Eos increases in vitro differentiation and effector cytokine production in T helper 2 cells

Advisor: Ken Oestreich PhD

Department: Microbial Infection and Immunity

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/206-14fd64b9aa31c54b24b16d08f8158b48_Jasmine_Tuazon.pptx

❖ **Nahara Vargas Maldonado**, Discovery Prep Trainee

Project Title: Understanding the cardiac tropism of influenza virus

Advisor: Jacob Yount PhD

Department: Microbial Infection and Immunity

Research Area: Basic

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/54-b92269f0d4ce5cf660661048cdc05079_Nahara_Vargas_Maldonado.pptx

❖ **Tyler Webb**, Medical Student

Project Title: Austere Lower Extremity Splinting: A Head-to-Head comparison of a New Novel 1-step Spray-on Splint verse Standard Splinting

Advisor: Adam Groth MD

Department: Orthopaedics

Research Area: Clinical

Research Category: Category 2: Basic and Applied Research in Inflammation, Infection & Immunology

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/54-d2b1738d7cd9edfbd25d5471ba7ef19_Final_Presentation_Austere_Lower_Extremity_Splinting-_A_Head-to-Head_comparison_of_a_New_Novel_1-step_Spray-on_Splint_verse_Standard_Splintin

❖ **Summer Aldabbeh**, Medical Student

Project Title: Airway and Feeding in Pierre Robin Sequence: A Comparison of Three Management Strategies

Advisor: Ibrahim Khansa MD

Department: Plastic Surgery

Research Area: Clinical

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/233-b93dd46e7d1dca2f89616a0ce662a5d1_Summer_Aldabbeh.pptx

❖ **Rhiannon Bates**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Capsid engineering of adeno-associated virus (AAV) increases adipose: liver tissue transduction in male mice

Advisor: Lei Cao PhD

Department: Cancer Biology and Genetics

Research Area: Basic

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/25-6f00f67da489feb5ffc6f0603a916e0d_Research_Day_2021.pptx

❖ **Gabrielle Besse**, Undergraduate

Project Title: MED12 is a transcriptional Mediator of cardiac function

Advisor: Kedryn Baskin PhD

Department: Physiology & Cell Biology

Research Area: Basic

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/129-a0ba1847c95ec3555b1875506872322e_Gabrielle_Besse.pptx

❖ **Jerry Cui**, Medical Scientist Training Program (MSTP)

Project Title: The Landscape of Actinobacterial Phosphonic Acid Natural Product Biosynthesis

Advisor: Kou-San Ju PhD

Department: Microbiology

Research Area: Basic

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/203-4d0a395665a337fa07e63e0a0ec79571_Jerry_Cui.pptx

❖ **Georges Daoud**, Medical Student

Project Title: Establishing a Point-of-Care Additive Manufacturing Workflow for Clinical Use

Advisor: Kyle VanKoevering MD

Department: Otolaryngology

Research Area: Clinical

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/140-fc9bd568f39e62cdf51b0cbb09e3e7e1_Georges_Daoud.pptx

❖ **Kyle Deistler**, Medical Student

Project Title: Nerve Compression After Opponensplasty: A Cadaveric Study

Advisor: Kanu Goyal MD

Department: Orthopaedics

Research Area: Translational

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/181-e546ddbce61e652fb28b2f7f230a186d_Kyle_Deistler.pptx

❖ **Paulina Haight**, Resident/Clinical Fellow

Project Title: Challenges with Increased Utilization of Clinical Tumor Testing in Ovarian Cancer

Advisor: Floor Backes MD

Department: Obstetrics/Gynecology

Research Area: Clinical

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/138-204ca2a107964a19b774789f09846d9d_COM_research_day_poster_PH.pptx

❖ **Vijaya Bharti Lnu**, Postdoctoral Researcher/Fellow

Project Title: Combination of senogenic and senolytic agents demonstrates synergistic anti-tumor effect in preclinical models of melanoma

Advisor: anna vilgelm MD, PhD

Department: Pathology

Research Area: Translational

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/181-0acbd34a00144042400df42135b6caa4_Poster%40LNUVijaya.pptx

❖ **Dmitry Malyshka**, Medical Scientist Training Program (MSTP)

Project Title: Modeling Permissive Cellular Conditions for Pathological Tau Aggregation

Advisor: Jeffrey Kuret PhD

Department: Biological Chemistry and Pharmacology

Research Area: Basic

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/212-3973dfe72a8721ddf3c60d90727561b_Dmitry_Malyshka.pptx

❖ **Keefe Mcdougal**, Graduate Student

Project Title: Med12 is Required for Healthy Skeletal Muscle Development

Advisor: Kedryn Baskin PhD

Department: Physiology & Cell Biology

Research Area: Basic

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/233-4789a3d463665d75d902ba9173d1355c_Keefe_McDougal.pptx

❖ **Samantha Powers**, Postdoctoral Researcher/Fellow

Project Title: A Novel Gene Therapy for Rett Syndrome through Reactivation of the Silent X Chromosome

Advisor: Kathrin Meyer PhD

Department: Pediatrics

Research Area: Translational

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/199-97ae85a6bd133f9cf8b72e4d56f46373_Samantha_Powers.pptx

❖ **Nicholas Queen**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Visceral Adipose Tissue-Directed FGF21 Gene Therapy Improves Metabolic and Immune Health in BTBR Mice

Advisor: Lei Cao PhD

Department: Cancer Biology & Genetics

Research Area: Basic

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/208-456b6a5814df3818e88171c571c303b8_Nicholas_Queen.pptx

❖ **Shrestha Sinha Ray**, Postdoctoral Researcher/Fellow

Project Title: Identification of a novel disease mechanism and a potential treatment for newly discovered neurodevelopmental disease "NEDAMSS"

Advisor: Kathrin Meyer PhD

Department: Nationwide Children's Hospital

Research Area: Basic

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/129-6999edc2fe258b21a936e2e619e827ce_Shrestha_SinhaRay.pptx

❖ **Diego Torres**, Undergraduate

Project Title: Disruption of PRC2 complex via inhibition of EZH2, reduces Muller Glia re-programing potential

Advisor: Andrew Fischer PhD

Department: Neuroscience

Research Area: Basic

Research Category: Category 3: Structural, Developmental or Molecular Biology, Genetics, & Therapeutics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/129-49f166d204f834f84ccfe9a5c45b1c06_Diego_Torres.pptx

❖ **Sabrina Amin**, Undergraduate

Project Title: Urology Patient Perceptions of Resident Cultural Competency in a Pilot 'Local' Global Health Curriculum

Advisor: Tasha Posid PhD

Department: Urology

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/198-0d9cf63bb585e99d5e8bce979567eb38_GlobalHealth_PatientData_poster.pptx

❖ **Elizabeth Bashian**, Medical Student

Project Title: Ultrasound Education Goes Virtual

Advisor: Creagh Boulger MD

Department: Emergency Medicine

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/61-432cae2cbaccf47ddb2aba156b3abe1d_Elizabeth_Bashian.pptx

❖ **Zak Boggs**, Medical Student

Project Title: Procedural Fundamentals for Medical Students: An Innovative Course Offering

Advisor: Mina Makary MD

Department: Radiology

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/141-c0ff767109855360fc0e6acf225e575f_Zak_Boggs.pptx

❖ **Varshita Chirumamilla**, Undergraduate

Project Title: Implications for the physical design of the post-natal care unit from a targeted analysis of issues with accessing the bathroom at night in the acute setting: A secondary analysis

Advisor: Emily Patterson PhD

Department: Health Information Management/Systems

Research Area: Translational

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/199-66943612b71d9d73cfa6462e68645c0f_Varshita_Chirumamilla.pptx

❖ **Devon Langston**, Medical Student

Project Title: Development & Application of a Novel and Objective Skills Assessment Tool: A Pilot Assessment to Measure Transurethral Resection of Bladder Tumor (TURBT) Competency

Advisor: Tasha Posid PhD

Department: Urology

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/54-78031c76e115fa20633fc7ed9d945778_OSU21_LANGSTON%2CDEVON%28TURBT%29.pptx

❖ **Joseph Lee**, Resident/Clinical Fellow

Project Title: Lips don't lie? The Utility of Lip Biopsy in the Management of Sjogren's Syndrome

Advisor: Minka Schofield MD

Department: Otolaryngology

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/233-33a0ba9e9e66898e7f308c30c4fb469e_JL_SS_PosterAudio.pptx

❖ **Daniel Lynch**, Medical Student

Project Title: Patient Social Media Usage in a University Hand and Upper Extremity Center

Advisor: Abhishek Julka MD

Department: Orthopaedics

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/115-25bec63ed5fb4949214cf4e8066ed16c_Daniel_Lynch_2021_trainee_research_day.pptx

❖ **Kendra Madaris**, Medical Student

Project Title: Adherence to Perioperative Attire Policy

Advisor: Carmen Quatman MD, PhD

Department: Orthopaedics

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/6-936d1514ce12d1659c00e49ecf2c0408_Kendra_Madaris_.pptx

❖ **Nick Mannix**, Medical Student

Project Title: Every Meal Out of Bed

Advisor: Catherine Quatman-Yates DPT, PhD

Department: Physical Therapy

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/25-f7023a213c76f516ebe3cffb29807632_Nick_Mannix.pptx

❖ **Elizabeth Robison**, Resident/Clinical Fellow

Project Title: Readmissions and perioperative outcomes for same-day versus next-day discharge after prolapse surgery

Advisor: Catherine Hudson MD

Department: Obstetrics/Gynecology

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/183-8da4686949d2f107a52abebf5c5c399b_Elizabeth_Robison_OSU_research_day_NSQIP_SDD_narrated_2021.pptx

❖ **Shannon Rudolph**, Medical Student

Project Title: Unplanned Early Postoperative Intubation in Children with Bronchial Asthma

Advisor: Olubukola Nafiu MD

Department: Nationwide Children's Hospital

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/141-df3ad467b9e9a0d70af6b1e685c0e667_Rudolph_Shannon_UnplannedEarlyPostoperativeIntubationInChildrenWithBronchialAsthma.pptx

❖ **Thomas Shelton**, Medical Student

Project Title: A Review of AAP Time Based Discharge Criteria and Outcomes Following Ambulatory ENT Surgery

Advisor: Joshua Uffman MD

Department: Anesthesiology

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/54-8b38f726f11932eb841fb7073f1dbbb1_Thomas_Shelton.pptx

❖ **Steffen Simerlink**, Medical Student

Project Title: Hospital Admission from an Emergency Department Observation Unit for Skin and Soft Tissue Infection

Advisor: Lauren Southerland MD

Department: Emergency Medicine

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/198-93958844c863dc3d6de3cb658565e191_Steffen_Simerlink.pptx

❖ **Krista Taylor**, Medical Student

Project Title: Cost-effectiveness of routine post-operative labs following minimally invasive hysterectomy for endometrial cancer

Advisor: Casey Cosgrove MD

Department: Obstetrics/Gynecology

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/49-0e620475491df2c427005d72d9e1bd40_Krista_Taylor.pptx

❖ **Simone Weinmann**, Graduate Student

Project Title: Hospital-based traceback program for prior ovarian cancer patients results in minimal uptake of genetic counseling and testing

Advisor: Leigha Senter-Jamieson MS

Department: Human Genetics

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/49-7e067aad538ec4e768916bd2c0488a20_SimoneWeinmann_OSUMC_Poster.pptx

❖ **Darren Wethington**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: Determining clinically relevant features in cytometry data using persistent homology

Advisor: Jayajit Das PhD

Department: Nationwide Children's Hospital

Research Area: Basic

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/215-2c9fa2efb2c93d93261f97642565561b_Persistent_Homology_OSUMC_Research_Day_Compressed.pptx

❖ **Edward Woods**, Medical Student

Project Title: Patient-Centered Cost Savings with the Introduction of Telehealth Services at a Single Institution Tertiary Care Center

Advisor: Amanda Ingram MD

Department: Urology

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/215-b90915ecc8185fbd1a4e5407be0ff4e2_Edward_Woods.pptx

❖ **Ryan Zeh**, Medical Student

Project Title: Impact of visitor restriction rules on the postoperative experience of COVID-19 negative patients undergoing surgery

Advisor: Jordan Cloyd MD

Department: Surgery

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/199-6824fe85a75f578dae63e993fe386654_Ryan_Zeh_narrated.pptx

❖ **Kevin Zhang**, Medical Student

Project Title: A Procedure-based Intervention for Opioid Prescribing in Plastic and Reconstructive Surgery Patients

Advisor: Jenny Barker MD, PhD

Department: Plastic Surgery

Research Area: Clinical

Research Category: Category 4: Biomedical Informatics/Health Care Education, Delivery, Organization/ Research Ethics

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/140-d32bdce9907ad5e647cb796f51db696c_Kevin_Zhang.pptx

❖ **Daniel Brook**, Medical Scientist Training Program (MSTP)

Project Title: The Relationship Between Hepatitis C Virus Rates and Office-Based Buprenorphine Prescribing in Ohio

Advisor: David Kline PhD

Department: Biomedical Informatics

Research Area: Translational

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/141-5088cf1228676291dfd62f1051b7cf54_Daniel_Brook.pptx

❖ **Matthew Cefalu**, Medical Student

Project Title: Effects of Predominantly African American CYP3A Polymorphisms on Statin Intolerance

Advisor: Sakima Smith MD

Department: Internal Medicine

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/198-394c6cd4d9ae5791eeceba5636ca4561_Matthew_Cefalu.pptx

❖ **Nayanika Challa**, Medical Student

Project Title: Acute and Chronic Care Model of Student-Led International, Interprofessional Medical Brigade: PODEMOS

Advisor: Jagadisharaje Urs MD

Department: Pediatrics

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/112-094c63f7af390fb914298a88b701830a_Nayanika_Challa.pptx

❖ **Jc Chen**, Resident/Clinical Fellow

Project Title: Perceived Barriers to Optimal LGBTQ and HIV Colorectal Care

Advisor: Syed Husain MBBS

Department: Surgery

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/141-f97e6f0704f9d4099ee0799907d13f03_JC_Chen_DOS_COM_Presentation.pptx

❖ **Santino Cua**, Medical Student

Project Title: The effect of an enhanced recovery protocol on colorectal surgery patients with diabetes

Advisor: Michelle Humeidan MD, PhD

Department: Anesthesiology

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/140-1d47d0b60f9377a5ccbc59d59065479d_Santino_Cua.pptx

❖ **Miraj Desai**, Medical Student

Project Title: Novel Measures to Reduce Radiation Exposure During Electrophysiology Study and Procedures

Advisor: Mahmoud Houmsse MD

Department: Internal Medicine

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/141-0b4a693d8b01c7e7801f55fe6e866926_Trainee_Research_Day_Narrated_Poster_-_Miraj_Desai.pptx

❖ **Abigail Foster**, Undergraduate

Project Title: Characteristics of Ohio women who did not obtain annual OBGYN care in 2019

Advisor: Abigail Norris Turner PhD

Department: Internal Medicine

Research Area: Translational

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/172-8480dda96bc7ecf4d151c51e070bacb8_osumc_trainee_day_poster.pptx

❖ **Jacqueline Furbacher, Md**, Resident/Clinical Fellow

Project Title: Slide 1: Title Thank you very much for the opportunity to present today on my behalf of my research team that includes Ann Carracher, Kasey Rawlins, Dr. Jennifer Frey and our P.I. Dr. Jason Bischof. My name is Jackie Furbacher and I am third year Emergen

Advisor: Jason Bischof, MD MD

Department: Emergency Medicine

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/54-8d73427a4a8b75553efc7427ff6e8d6d_FI_Poster_Slide.pptx

❖ **Thomas Gao**, Medical Student

Project Title: Correlation or Just a Roll of the DISE?: Identifying Patient Characteristics That Might Predict Drug-Induced Sleep Endoscopy (DISE) Anatomy

Advisor: Eugene Chio MD

Department: Otolaryngology

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/112-c4cb95bb2baf8ffb9561f61363ae7e2d_Thomas_Gao.pptx

❖ **Spencer Gardner**, Medical Student

Project Title: Trauma and Resiliency in Adolescents and Young Adults With Opioid Use and Eating Disorders

Advisor: Andrea Bonny MD

Department: Pediatrics

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/49-e74767d94666d5405d05c227c3fa1de9_Spencer_Gardner_-_narrated.pptx

❖ **Daniel Gilmore**, Graduate Student Health and Rehabilitation Science Graduate Program

Project Title: Healthcare utilization patterns among autistic adults: A systematic review with narrative synthesis

Advisor: Brittany Hand PhD

Department: Occupational Therapy

Research Area: Translational

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/49-07eefe001e50e4b5e8314ff09716e001_OSUWMC_Trainee_Day_2021_Gilmore.pptx

❖ **Margaret Heller**, Medical Student

Project Title: Differences in Tonsillectomy Use by Race/Ethnicity and Type of Health Insurance Before and After the 2011 Tonsillectomy Clinical Practice Guidelines

Advisor: Jennifer Cooper PhD

Department: Nationwide Children's Hospital

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/61-da7bfe56aa0439693d15cff87e6f0236_Margaret_Heller.pptx

❖ **Kessler Hurd**, Medical Student

Project Title: Predictors of Early Ulcers and Strictures After Roux-en-Y Gastric Bypass

Advisor: Sabrena Noria MD, PhD

Department: Surgery

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/181-81e1ad5f4b86473dddaf822b300c8657_Kessler_Hurd.pptx

❖ **Niveditha Jagadesh**, Medical Student

Project Title: Examining the Role of Opioid Sparing Multimodal Analgesia in Reducing total Oral Morphine Equivalent (OME) Dosing in Patients Undergoing Minimally Invasive Lobectomies

Advisor: Ryan Dalton MD

Department: Anesthesiology

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/199-acb628b27ed92519f9ae18526d1c6a14_Niveditha_Jagadesh.pptx

❖ **Miranda Kiefer**, Resident/Clinical Fellow

Project Title: Institute of Medicine Gestational Weight Gain Recommendations and Perinatal Outcomes for Patients with Gestational and Pregestational Diabetes

Advisor: Kartik Venkatesh MD, PhD

Department: Obstetrics/Gynecology

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/25-fe2dc404112aed26b6f4151fcb50f8ad_Miranda_Kiefer.pptx

❖ **Peter Madril**, Graduate Student School of Health and Rehabilitation Sciences

Project Title: Differences in dietary intakes and overall diet quality by risk for non-alcoholic fatty liver disease in US adults

Advisor: Christopher Alan Taylor PhD

Department: Medical Dietetics

Research Area: Translational

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/198-7e03851363c7c6fd87a628a500f1188f_COM_Difference_Diet_Quality_NAFLD_Narrated.pptx

❖ **Matt Murtha**, Medical Student

Project Title: Establishing a Specialty Urology Clinic at the Columbus Free Clinic

Advisor: Tasha Posid PhD

Department: Urology

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/129-2dae4f4e0a25052d95c76725847ba1e0_CFC_Urology_Clinic_Poster_with_Narration_-_OSUCOM_Research_Trainee.pdf

❖ **Komal Paradkar**, Medical Student

Project Title: Disseminated Blastomycosis in a 45-year-old Male Presenting as Fever of Unknown Origin

Advisor: Poorvi Dalal DO

Department: Internal Medicine

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/183-fe7f20200847f81efce281d299acf07d_Komal_Paradkar.pptx

❖ **Neal Pohlman**, Medical Student

Project Title: The Association of Serum Aldosterone and Plasma Renin Activity with Ambulatory Blood Pressure in African Americans: The Jackson Heart Study

Advisor: Joshua Joseph MD

Department: Internal Medicine

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/233-2f3cb2d49a56c8c8607f8f181b5d8ee9_Neal_Pohlman_COM_Trainee_Research_Day_Poster_Presentation.pptx

❖ **Robin Rice**, Medical Student

Project Title: Who attends a crisis pregnancy center in Ohio?

Advisor: Maria Gallo PhD

Department: College of Public Health

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/61-43dfd4efa36760c4faf0af0a1854a447_CPC_Poster_Research_Day.pptx

❖ **Nikki Schipperijn**, Undergraduate

Project Title: Effects of age, BMI, and anatomical location on vBMD equivalent fat, muscle, and air values used in phantomless QCT

Advisor: Rande Hunter PhD

Department: Radiologic Sciences & Therapy

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/49-873864461ad8bf4d0c2399ba3224342d_Trainee_Day_Poster_Presentation.pptx

❖ **Carly Sobol**, Medical Student

Project Title: Aggressive Attempts At Limb Salvage Are Associated With Improved Survival

Advisor: Michael Go MD

Department: Surgery

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/169-23f64c42173382a962de689071df3395_Carly_Sobol.pptx

❖ **Muna Tamimi**, Medical Student

Project Title: Sociodemographic Predictors of Internalized Stigma, in Patients Seeking Bariatric Surgery, using the Weight Self- Stigma Questionnaire (WSSQ)

Advisor: Sabrena Noria MD, PhD

Department: Surgery

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/138-697b33ccb88fde224f6e25614aec660b_Muna_Tamimi.pptx

❖ **Lauren Taylor**, Medical Student

Project Title: Drug-Coated Endovascular Intervention is Associated with Increased Patency and Limb Salvage But No Difference in Survival

Advisor: Michael Go MD

Department: Vascular Surgery

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/215-64c0f665b0ba290ff66ad05918846dda_Lauren_Taylor.pptx

❖ **Phillip Wozniak**, Medical Student

Project Title: A Global Point Prevalence Survey of Antimicrobial Use in Neonatal Intensive Care Units: The NO-More-AntibioticS and Resistance (NO-MAS-R) Study

Advisor: Pablo Sanchez MD

Department: Pediatrics

Research Area: Clinical

Research Category: Category 5: Research in Special Populations and Community Research

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/98-a7c95a4ddaffd6bb99bb1157629b1ac3_Phillip_Wozniak.pptx

❖ **David Akanonu**, Discovery Prep Trainee

Project Title: The Histone Methyltransferase Activity of EZH2 is Necessary for Induction of Progenitor Cell Production in the Mature Avian Retina

Advisor: Andrew Fischer PhD

Department: Neuroscience

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/98-bcbf753f27e52ccc917167715114ef10_David-DZN_poster_%5BTemplate%5D.pptx

❖ **Christopher Ayoub**, Medical Scientist Training Program (MSTP)

Project Title: Chaperone Identified by Neuroprotective Gene Expression Signature Prevents Tau Aggregation in vitro

Advisor: Jeff Kuret PhD

Department: Biological Chemistry and Pharmacology

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/169-187c7073e36ab05904c050a6179ea188_Christopher_Ayoub.pptx

❖ **Cody Ballay**, Graduate Student Health and Rehabilitation Science Graduate Program

Project Title: Joint Excursion, Change in Velocity, and Timing of Deceleration Phase of Collegiate Baseball Pitchers

Advisor: Ajit Chaudhari PhD

Department: Physical Therapy

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/169-b3089d2852d7747a1bdccc9acd45de1e_Cody_Ballay.pptx

❖ **Katherine Begley**, Medical Student

Project Title: Salivary Gland Ablation: Introducing an Interventional Radiology Treatment Alternative in the Management of Pediatric Sialorrhea

Advisor: Garey Noritz MD

Department: Pediatrics

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/54-2460dd5e0cec5511dea1836e4c1fd6ad_Katherine_Begley.pptx

❖ **Becca Biltz**, Graduate Student Neurosciences Graduate Program

Project Title: Characterizing neuronal connectivity from the hippocampus following psycho-social stress.

Advisor: Jonathan Godbout PhD

Department: Neuroscience

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/54-c095ebb58911bffcf5cd34adfb1a6d5_Becca_Biltz.pptx

❖ **Jessica Blackburn**, Graduate Student Anatomy

Project Title: Astrocyte Regional Heterogeneity Revealed Through Machine Learning-based Glial Neuroanatomical Assays

Advisor: JosÃ© Otero MD, PhD

Department: Pathology

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/49-51b76f2c024c1e2a882a842b2fa9f82d_Jessica_Blackburn.pptx

❖ **Jordan Bozer**, Medical Student

Project Title: Long-term Functional Outcome Following Surgical Intervention for Pediatric Non-Accidental Head Trauma

Advisor: Eric Sribnick MD, PhD

Department: Neurological Surgery

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/25-258fc8f88666fd8f179a21736f035eb4_Jordan_Bozer.pptx

❖ **David Bushart**, Medical Student

Project Title: Ion channel dysfunction and pharmacologic targeting in spinocerebellar ataxia

Advisor: Candice Askwith PhD

Department: Neuroscience

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/215-2e4d14e236876219cf1486ee5e2c5e7c_David_Bushart_ResearchDay2021.pptx

❖ **Michael Butler**, Postdoctoral Researcher/Fellow

Project Title: DHA prevents diet-induced memory impairments and neuroinflammation in aged rats and cultured microglia

Advisor: Ruth Barrientos PhD

Department: Psychiatry

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/61-81531703f00502abcea259a4c5a22607_Michael_Butler.pptx

❖ **Helen Chen**, Medical Scientist Training Program (MSTP)

Project Title: Prenatal Stress Leads to Intrauterine Dysfunction: the Role of Microbes and Microglia

Advisor: Tamar Gur MD, PhD

Department: Psychiatry

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/115-d4681ca2f22fa8d3d81cedefde4a9407_Helen_Chen.pptx

❖ **Rodnie Colon Ortiz**, Discovery Prep Trainee

Project Title: Proliferative capacity of oligodendrocyte progenitors decreases with time after spinal cord injury

Advisor: Dana McTigue PhD

Department: Neuroscience

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/208-29adaa8ea4d9falcd5b1f2f272afaf32_Rodnie_Colon-Ortiz.pptx

❖ **Selina Deiparine**, Medical Student

Project Title: The Utility and Cost of Atypical Cultures in Revision Shoulder Arthroplasty

Advisor: Gregory Cvetanovich MD

Department: Orthopaedics

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/54-4f60e014c57b2bcc315100de03588051_Selina_Deiparine-poster.pptx

❖ **Kyleigh Depetro**, Medical Scientist Training Program (MSTP)

Project Title: Spinal Cord Injury Causes Hyperacute Bone Marrow Failure Characterized by Myeloid Fate Bias

Advisor: Phillip Popovich PhD

Department: Neuroscience

Research Area: Translational

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/129-f16bf939b68392dbec01074a57694d79_kyleigh_depetro.pptx

❖ **Blake Edwards**, Graduate Student Health and Rehabilitation Science Graduate Program

Project Title: Differences in Joint Excursion, Change in Velocity, and Timing of Deceleration Phase Between High Velocity and Low Velocity Collegiate Baseball Pitchers

Advisor: Ajit Chaudhari PhD

Department: Physical Therapy

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/215-d1e80a4ea1e445112f15b67f213b02e6_Blake_Edwards.pptx

❖ **Brigitte Gonzalez Olmo**, Graduate Student- Anatomy

Project Title: Short-term high-fat diet consumption impairs long-term potentiation in the aged hippocampus

Advisor: Ruth Barrientos PhD

Department: Psychiatry

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/98-2b01a453fc4154f1649a00279e328ed7_Brigitte_GonzalezOlmo.pptx

❖ **Daniela Jimenez-harrison**, Medical Scientist Training Program (MSTP)

Project Title: DJ-1's prevention of tau aggregation propensity is dependent on protein region

Advisor: Jeff Kuret PhD

Department: Biological chemistry and pharmacology

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/169-d81027d1336e592577b17b2e00622bd1_Daniela_JimenezHarrison.pptx

❖ **Caid Kirven**, Medical Student

Project Title: Clinical and Functional Effects of Surgical Technique after Repair of Bucket Handle Meniscus Tears

Advisor: Dave Flanigan MD

Department: Orthopaedics

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/212-a651b50d339e2a51c23ee63c3bb95a5a_AIIO_Trainee_Research_Day_Narrated_poster.pptx

❖ **Kyle Kopechek**, Medical Student

Project Title: The Effect of Patient Factors on Opioid Use Following Anatomic and Reverse Shoulder Arthroplasty

Advisor: Gregory Cvetanovich MD

Department: Orthopaedics

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/206-ebb6c6b59581a9d34646890d59d42fd4_Kyle_Kopechek.pptx

❖ **John Mickley**, Medical Student

Project Title: Fracture Gap Closure with Variable Pitch Headless Screws Placed Obliquely to the Fracture Plane.

Advisor: Kanu Goyal MD, PhD

Department: Orthopaedics

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/49-e27ae8a1100c67bdb56fae58a5507cec_Research_Day_2021_Oblique.pptx

❖ **Anthony Moussa**, Undergraduate

Project Title: DE or not DE: Molecular Signatures for Circuit Architecture in the Neocortex

Advisor: Jason Wester PhD

Department: Neuroscience

Research Area: Translational

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/199-2128aa58e7a53a1424bdcff4b5c445a7_Anthony_Moussa.pptx

❖ **Stephanie Muscat**, Graduate Student - Biomedical Sciences Graduate Program (BSGP)

Project Title: TLR4 Antagonism Ameliorates Persistent POCD

Advisor: Ruth Barrientos PhD

Department: Psychiatry

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/198-f410d4303f7eb0d5308b46d8451ab8b9_Stephanie_Muscat.pptx

❖ **James Oosten**, Medical Student

Project Title: The More the Merrier? An Analysis of Meniscus Repair Failure Using All-Inside Repair Implants

Advisor: David Flanigan MD

Department: Orthopaedics

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/141-5b77006fba17f5203e6b7c815e171519_Oosten_COMResearchDay2021.pptx

❖ **Annie Orr**, Medical Student

Project Title: The Clinical Utility of Neuromonitoring in Endoscopic Endonasal Pituitary Surgery

Advisor: Douglas Hardesty MD

Department: Neurological Surgery

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/138-46afa04d07975b74a633e1b8324627d3_Annie_Orr.pptx

❖ **Burcak Ozes**, Postdoctoral Researcher/Fellow

Project Title: NT-3 Gene Transfer Therapy Attenuates Muscle Pathology in the GarsP278KY/+ Mice model of CMT2D

Advisor: Zarife Sahenk MD, PhD

Department: Nationwide Children's Hospital

Research Area: Translational

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/98-4656481400755f0a407c08d178c3754e_B-Ozes-Trainee_Research_Day-2021-narrated.pptx

❖ **Jennifer Petrosino**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: The Maintenance of Skeletal Muscle Mass is regulated by the mRNA Modifying Methyltransferase METTL3

Advisor: Federica Accornero PhD

Department: Davis Heart & Lung Research Institute

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/169-7826b32718f51206e9a6dcf8f143c425_Jennifer_Petrosino_OSUMC_POSTER_2021.pptx

❖ **Megan Pino**, Medical Scientist Training Program (MSTP)

Project Title: Permanent Intrathecal Access in Domestic Piglet for Biomarker and Discovery Studies

Advisor: Stephen Kolb MD, PhD

Department: Neurology

Research Area: Translational

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/6-fcfcfd550d1eac2e4a05f87db81fc9df_Megan_Pino.pptx

❖ **Dhanarajan Rajakumar**, Postdoctoral Researcher/Fellow

Project Title: Vectorized exon skipping to treat Duchenne muscular dystrophy

Advisor: Nicolas Wein PhD

Department: Nationwide Children's Hospital

Research Area: Translational

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/140-fe822f08cde27a545fb179fc73763c78_Nationwide_Poster_Template_Dhanarajan_Rajakumar.pptx

❖ **Alissa Ray**, Undergraduate

Project Title: Optimized Grip Testing and Comparison with In Vivo Muscle Contractility in Dynapenic Aged Mice

Advisor: W. David Arnold MD

Department: Neurology

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/199-890fb74f89d38e7a2262ff4e06e4333d_Ray_GripStrengthTesting_TraineeDay2021.pptx

❖ **Kelly Rich**, Graduate Student Neurosciences Graduate Program

Project Title: ALS-associated KIF5A mutation causes delayed and decreased electrophysiological recovery following sciatic nerve crush

Advisor: Stephen Kolb MD, PhD

Department: Neurology

Research Area: Translational

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/203-530446ed45a3f08f246c9e7e9032688d_Kelly_Rich.pptx

❖ **Yacidzohara Rodriguez**, Postdoctoral Researcher/Fellow

Project Title: Modeling of SCN2A related disorders in vitro allows exploration of disease mechanism and identification of potential therapies for this neurological disease

Advisor: Nicolas Wein PhD

Department: Nationwide Children's Hospital

Research Area: Translational

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/172-0c3390588bc4a5acc0f4bc27fb7d6218_Yacidzohara_Rodriguez.pptx

❖ **Justine Schneider**, Medical Student

Project Title: Incidence, common pathogens, and risk factors for infection after anterior cruciate ligament reconstruction: A systematic review

Advisor: Paul Stoodley PhD

Department: Microbial Infection and Immunity

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/6-9e9274e6f1900b5fd977bc37916a4416_Justine_Schneider.pptx

❖ **Maura Schwartz**, Graduate Student Biomedical Sciences Graduate Program (BSGP)

Project Title: A Novel Retinal Gene Therapy Strategy for Batten Disease and Beyond

Advisor: Kathrin Meyer PhD

Department: Nationwide Children's Hospital

Research Area: Translational

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/140-fc82af43b0772418aa4b5400e6c9358c_Maura_Schwartz.pptx

❖ **Mathangi Sridharan**, Medical Student

Project Title: High Prevalence of Outpatient Falls Following Elective Shoulder Arthroplasty

Advisor: Gregory Cvetanovich MD

Department: Orthopaedics

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/129-792ceaa30ce5560ecd983e3667b19292_High_Prevalence_of_Outpatient_Falls_after_Shoulder_Arthroplasty_Sridharan_COM_Research_Day.pptx

❖ **Jude Tunyi**, Medical Scientist Training Program (MSTP)

Project Title: The Transverse Facial Artery as A Recipient Vessel in Neuroplastic Microvascular Reconstruction

Advisor: Kerry-Ann Mitchell MD, PhD

Department: Plastic Surgery

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/61-460ce20d57d83afb4806bc35ceef6c44_Jude_Tunyi.pptx

❖ **Akila Venkataramany**, Medical Scientist Training Program (MSTP)

Project Title: Heat treatment restores full-length SMN transcripts and is a novel therapeutic intervention for SMA

Advisor: Dawn Chandler PhD

Department: Nationwide Children's Hospital

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/6-b7581d5528c4d715019528eaecbd64c9_Akila_Venkataramany.pptx

❖ **Jonathan Wright**, Medical Student

Project Title: Patient Reported Outcomes After Arthroscopic Bimeniscal Repair

Advisor: David Flanigan MD

Department: Orthopaedics

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/208-71d93383cb0e6e4fcc646b9117a5e712_Jonathan_Wright.pptx

❖ **Wenyuan Yin**, Medical Scientist Training Program (MSTP)

Project Title: Psychosocial stress induces brain endothelial production of prostaglandin E2 precipitating anxiety-like behaviors

Advisor: Jonathan Godbout PhD

Department: Neuroscience

Research Area: Basic

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/199-439363e43bfdb90a4485aa4360af2ebe_Wenyuan_Yin.pptx

❖ **Robert Yoder**, Medical Student

Project Title: Radial Meniscus Tear Repair Techniques: A Systematic Review of Biomechanical Studies

Advisor: David Flanigan MD

Department: Orthopaedics

Research Area: Clinical

Research Category: Category 6: Neuroscience and Neurologic, Psychological, & Musculoskeletal Disorders

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/215-bbdf7a4d324c628a8dabcde257656e30_Robert_Yoder.pptx

❖ **Aneel Bhagwani**, Visiting Fellow

Project Title: Endothelial loss of P53 promotes endothelial dysfunction via impaired TLR3-BMP axis in pulmonary arterial hypertension.

Advisor: Laszlo Farkas MD, PhD

Department: Davis Heart & Lung Research Institute

Research Area: Translational

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/198-fde9b323df08b6a7cd943de05685d689_Aneel_bhagwani_poster_Trainee_research_day_2021.pptx

❖ **Kevin Blum**, Medical Scientist Training Program (MSTP)

Project Title: Tamoxifen and Sex Confound Cardiovascular Tissue Engineering

Advisor: Christopher Breuer MD

Department: Surgery

Research Area: Basic

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/203-493076f8b0973eaf3437b6ceaaf35a09_Kevin_Blum.pptx

❖ **Warren Campbell**, Medical Scientist Training Program (MSTP)

Project Title: Fatty acid binding proteins reduce reactive gliosis in MÃ¼ller glia and promote the formation of MÃ¼ller glia derived progenitor cells

Advisor: Andy Fischer PhD

Department: Neuroscience

Research Area: Basic

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/198-99404d4d6ec37c1a7633b83e221ca2e8_Warren_Campbell.pptx

❖ **Lisa Dorn**, Medical Scientist Training Program (MSTP)

Project Title: Microfibrillar-associated protein 4 regulates stress-induced cardiac remodeling

Advisor: Federica Accornero PhD

Department: Physiology & Cell Biology

Research Area: Basic

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/215-4dc52315fed352b0737696f18f3f3202_Lisa_Dorn.pptx

❖ **Helen Duenas**, Medical Student

Project Title: Contemporary Surgical Outcomes of Infective Endocarditis in Pediatrics: a 16-Year Appraisal

Advisor: Sergio Carrillo MD

Department: Nationwide Children's Hospital

Research Area: Clinical

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/172-9a437ce154ed939b638279ffeadd0d4_Helen_Duenas.pptx

❖ **Ty Gilkey**, Medical Student

Project Title: Defining Drugs that are High-Risk Associations for Drug Reactions Within the Hospital Setting

Advisor: Benjamin Kaffenberger MD

Department: Internal Medicine

Research Area: Clinical

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/198-d4c59d2464fb7ed013e1d444f53ed1b9_Gilkey_Ty.pptx

❖ **Volha (olga) Golubeva**, Medical Scientist Training Program (MSTP)

Project Title: The Novel Role of m6A-mRNA Binding Protein YTHDF1 in the Regulation of Heart Function

Advisor: Federica Accornero PhD

Department: Physiology & Cell Biology

Research Area: Basic

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/208-f6168f14774a6e95310a3191bda71023_Volha%28Olga%29_Golubeva_COM-Trainee-Day.pptx

❖ **Katelynn Helfrich**, Medical Student

Project Title: Donation after Circulatory Death Yields Similar Survival to Donation after Brain Death Liver Transplantation, Effectively Expanding the Donor Pool

Advisor: Ashraf El-Hinnawi MD

Department: Surgery

Research Area: Clinical

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/129-1f704403b46c5f1eddb9c29f7dec1898_MDSRPoster.pptx

❖ **Ryan Hooper**, GRA in Engineering

Project Title: Chaotic Printing for Cell Expansion and Tissue Regeneration

Advisor: David Dean PhD

Department: Plastic Surgery

Research Area: Translational

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/212-2e86812e68951dbfb4a26cf244254fa2_Ryan_Hooper.pptx

❖ **Kevin Hsu**, Medical Student

Project Title: Hypercementosis Associated with ENPP1 Mutations and Generalized Arterial Calcification of Infancy (GACI)

Advisor: Brian Foster PhD

Department: College of Dentistry

Research Area: Basic

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/54-fe07180f60c2a7c1f786f4ff0db623cd_Kevin_Hsu.pptx

❖ **Claire Kovalchin**, Medical Student

Project Title: Characterizing Hospitalizations in Psoriasis Patients

Advisor: Benjamin Kaffenberger MD

Department: Internal Medicine

Research Area: Clinical

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoresponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/120-8c0433fc28c72e4b850d7238ad90c013_Claire_Kovalchin.pptx

❖ **Karissa Libson**, Medical Student

Project Title: Toxic Epidermolysis and Wolf's Isotopic Response associated with long term temozolomide chemotherapy and sulfamethoxazole-trimethoprim prophylaxis.

Advisor: John Trinidad MD

Department: Dermatology

Research Area: Clinical

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/49-9e453617ae9a0c240b5ac0592e286482_Karissa_Libson.pptx

❖ **Kevin Peng**, Medical Student

Project Title: Modern Management of Pituitary Apoplexy via an Initially Conservative Surgical Paradigm

Advisor: Douglas Hardesty MD

Department: Neurological Surgery

Research Area: Clinical

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/54-9aec7a5c28f3c55c80cc50b9013762af_Kevin_Peng.pptx

❖ **Shridhar Sanghvi**, Graduate Student Molecular, Cellular and development Biology Graduate Program

Project Title: Importance of Chloride Homeostasis in Heart Failure

Advisor: Harpreet Singh PhD

Department: Physiology & Cell Biology

Research Area: Basic

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/183-2e40746a972e4be1b18cb35b7cdfbdfb_CoM_ResearchDay_2021_03092021.pptx

❖ **Zheng Hong Tan**, Medical Scientist Training Program (MSTP)

Project Title: Characterization of Macrophages in Tracheal Repair

Advisor: Tandy Chiang MD

Department: Otolaryngology

Research Area: Basic

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/233-d4f8fbfb5473c22ad978e7c020e3a003_Zhenghong_Tan.pptx

❖ **Carol Vitellas**, Medical Student

Project Title: Use of Adaptive Optics Imaging in Longitudinal Analysis of Retinal Burn

Advisor: Frederick Davidorf MD

Department: Ophthalmology

Research Area: Clinical

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/49-40fc2d7ceb2f02cc954cf5b1338272e9_CarolVitellasPoster.pptx

❖ **Dandan Yang**, Postdoctoral Researcher/Fellow

Project Title: MicroRNA Biophysically Modulates Cardiac Action Potential via Directly Binding to Ion Channel

Advisor: Jidong Fu MD, PhD

Department: Physiology & Cell Biology

Research Area: Basic

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/112-f17f4e0baaacc8912df2fb13b54630ae_MicroRNA_Biophysically_Modulates_Cardiac_Action_Potential_via_Directly_Binding_to_Ion_Channel.pptx

❖ **Joshua Zent**, Medical Scientist Training Program (MSTP)

Project Title: An imaging-based platform for single-cell analysis of pericellular matrix metalloproteinase activity in the 3D microenvironment

Advisor: Jennifer Leight PhD

Department: Biomedical Engineering

Research Area: Basic

Research Category: Category 7: Cell Biology and Organ Specific Disorders

Poster link: http://surveygizmoreponseuploads.s3.amazonaws.com/fileuploads/191224/6200844/172-4affbbd7adb62ccf9657b88a592be22b_Joshua_Zent.pptx