

The 4th Annual NEOMED Student Research Symposium

November 17th, 2023 • 1:00 - 5:00pm



Northeast Ohio

MEDICAL UNIVERSITY

The 4th Annual NEOMED Student Research Symposium

November 17, 2023 • 1:00-5:00 pm

1:00 - 1:10 p.m.: **WELCOME AND OPENING REMARKS**

Raman Bhambra Co-President of Committee for Student Clinical Research, College of Medicine, Class of 2026

James Raynor Co-President of Committee for Student Clinical Research, College of Medicine, Class of 2026

Thomas Cahill, Vice-President of Committee for Student Clinical Research, College of Medicine, Class of 2026

1:10 - 1:25 p.m.: **GUEST SPEAKER: RUPESH RAINA**

Dr. Rupesh Raina is an Adult and Pediatric Nephrologist at Cleveland Clinic Akron General Medical Center and Akron Children's Hospital. He is also a Professor of Medicine, Professor of Pediatrics, and the M4 Director at the College of Medicine at Northeast Ohio Medical University. Additionally, he is a member of the Medicine/Pediatrics research staff at Case Western University School of Medicine.

Dr. Raina did his research fellowship at the Cleveland Clinic Glickman Urology and Kidney Institute, where he pursued a research fellowship mainly focused on biomarkers of bladder and prostate cancers. Dr. Raina then pursued an internal medicine/pediatrics residency at Metro Health Medical Center at Case Western Reserve University, where he was selected as chief resident and associate program director for Med-Peds. He subsequently completed his adult fellowship in nephrology and kidney transplantation at the CC Glickman Urology and Kidney Institute, and a pediatric fellowship in nephrology and transplantation at University Hospital Rainbow Babies & Children's Hospital.

Dr. Raina is amongst very few physicians in the country who are both board-certified and practicing both adult and pediatric nephrology. He has published numerous research articles and is highly regarded as a leader in the field.

1:25 - 1:30 p.m.: **5-MINUTE Q&A**

Moderator: James Raynor, College of Medicine, Class of 2026

1:30 - 2:30 p.m.: **GROUP A POSTER PRESENTATIONS BEGIN**

NEW Center Ballroom

Students in Group A are encouraged to remain beside their posters until 2:30 p.m.

2:00 - 3:00 p.m.: **GROUP 1 ORAL PRESENTATIONS BEGIN**

Moderators: Lincoln Chifamba, College of Medicine, Class of 2026

Sydney Bitting, College of Medicine, Class of 2026

Moderators: Sonam Patel, College of Medicine, Class of 2026

Muhammad Farooqui, College of Pharmacy, Class of 2026

Please see oral presentation schedules posted below to determine time/location of oral presentation.

2:45 - 3:45 p.m.: **GROUP B POSTER PRESENTATIONS BEGIN**

NEW Center Ballroom

Students in Group B are encouraged to remain beside their posters until 3:45 p.m.

3:10 - 4:10 p.m.: **GROUP 2 ORAL PRESENTATIONS BEGIN**

Moderators: Gabriel Taggart, School of Medicine, Class of 2027
Jonathan Giang, School of Medicine, Class of 2026

Moderators: Sofia Arruda, School of Medicine, Class of 2026

Joie Woodlee, School of Medicine, Class of 2026

Please see oral presentation schedules posted below to determine time/location of oral presentation.

4:20 - 4:35 p.m.: **GUEST SPEAKER: JESSICA SUBLETT, J.D., CEO OF BOUNCE INNOVATION**

Jessica Sublett is passionate about technology, innovation, and entrepreneurship. She has dedicated her career to supporting entrepreneurs and economic development in Northeast Ohio. In May 2022, the Bounce Innovation Hub Board of Directors unanimously named Jessica as the next President & Chief Executive Officer of the organization. In the role of President and CEO, she is responsible for overseeing the vision and strategic direction of the organization. Prior to being named CEO, Jessica served as Chief Operating Officer at Bounce from January 2018-December 2022. She was instrumental in launching Bounce's Technology Incubator Program, Software Accelerator Program, and GROW Program. She earned her J.D. and a Certificate in Intellectual Property from the University of Akron School of Law, her LL.M in Intellectual Property from the University of Akron School of Law, and her B.S. in Business Management from the University of Findlay. Jessica is a graduate of Leadership Akron's Signature Class 38, a 2021 Greater Akron Chamber 30 For the Future award recipient, and a quarterly contributor to Smart Business Magazine.

4:35 - 4:40 p.m.: **5-MINUTE AUDIENCE Q&A**

Moderator: Dr. Rebecca German, Vice President for Research

4:30 – 5:00 p.m.: **AWARDS AND CLOSING REMARKS**

GROUP 1 ORAL PRESENTATIONS

Location: Cook Hall A

Moderators:

Lincoln Chifamba, College of Medicine, Class of 2026

Sydney Bitting, College of Medicine, Class of 2026

TIME	PRESENTATION
2:00 – 2:10 p.m. Q&A: 2:10 - 2:15 p.m.	<i>Nirmatrelvir/Ritonavir in Patients with Moderate to Severe Chronic Kidney Disease and COVID-19: A Multicenter Study of 150,352 Patients</i> <i>Presenter: Omer Ashruf</i>
2:15 - 2:25 p.m. Q&A: 2:25 - 2:30 p.m.	<i>Improving Mammogram Compliance Among Women Aged 66-74: A Targeted outreach initiative at my community health center</i> <i>Presenter: Adiaratou Ba & Richard Robertson</i>
2:30 - 2:40 p.m. Q&A: 2:40 - 2:45 p.m.	<i>Changes in B Cell Receptor CDR3 Physiochemical Properties are Observed with Type 1 Diabetes (T1D) Progression</i> <i>Presenter: Brandon Petrovich</i>
2:45 - 2:55 p.m. Q&A: 2:55 – 3:00 p.m.	<i>LC3s production of IL-10 maintains intestinal immune homeostasis</i> <i>Presenter: Marian Khalil</i>

GROUP 1 ORAL PRESENTATIONS

Location: Cook Hall B

Moderators:

Sonam Patel, College of Medicine, Class of 2026

Muhammad Farooqui, College of Pharmacy, Class of 2026

TIME	PRESENTATION
2:00 – 2:10 p.m. Q&A: 2:10 - 2:15 p.m.	<i>The Therapeutic Role of Osteoactivin/GPNMB in Post-Traumatic Osteoarthritis</i> <i>Presenter: Trinity Kronk</i>
2:15 - 2:25 p.m. Q&A: 2:25 - 2:30 p.m.	<i>Comparison of Alternative Upper GI Bleeding Risk Assessments with Time to Scope and Mortality</i> <i>Presenter: Robert Douglass</i>
2:30 - 2:40 p.m. Q&A: 2:40 - 2:45 p.m.	<i>Evaluating the Viz Artificial Intelligence (AI) Application in Acute Ischemic Stroke (AIS)</i> <i>Presenter: Loga Iyer</i>
2:45 - 2:55 p.m. Q&A: 2:55 – 3:00 p.m.	<i>Systematic Review of Extracorporeal CO2 Removal in Chronic Obstructive Pulmonary Disease Exacerbation</i> <i>Presenter: Abaan Saini</i>

GROUP 2 ORAL PRESENTATIONS

Location: Cook Hall A

Moderators:

Gabriel Taggart, School of Medicine, Class of 2027

Jonathan Giang, School of Medicine, Class of 2026

TIME	PRESENTATION
3:10 - 3:20 p.m. Q&A: 3:20 - 3:25 p.m.	<i>A Hospital Managed Urgent Dispatch Program: A Descriptive Evaluation of Year One of Program Implementation</i> <i>Presenter: Aditi Deshmukh</i>
3:25 - 3:35 p.m. Q&A: 3:35 - 3:40 p.m.	<i>Epidemiology, Risk Factors, and Clinical Outcomes of Acute Kidney Injury in Pediatric Hematopoietic Stem Cell Transplant Patients</i> <i>Presenter: Zara Orozco</i>
3:40 - 3:50 p.m. Q&A: 3:50- 3:55 p.m.	<i>Bone Remodeling and Osteoclast differentiation via TRAPPC9 Modulation</i> <i>Presenters: Gabrielle Robinson</i>
3:55 – 4:05 p.m. Q&A: 4:05 - 4:10 p.m.	<i>Evaluating Helping Babies Breathe and Helping Mothers Survive intervention outcomes on provider skill acquisition in Nepal’s Belkotgadhi Municipality</i> <i>Presenter: Shashank Raghavachari</i>

GROUP 2 ORAL PRESENTATIONS

Location: Cook Hall B

Moderators:

Sofia Arruda, School of Medicine, Class of 2026

Joie Woodlee, School of Medicine, Class of 2026

TIME	PRESENTATION
3:10 - 3:20 p.m. Q&A: 3:20 - 3:25 p.m.	<i>Rapid Outpatient Evaluation for Patients with HEART score 4/5 Safely Reduces Admissions</i> <i>Presenter: Nicholas Lesh</i>
3:25 - 3:35 p.m. Q&A: 3:35 - 3:40 p.m.	<i>Novel Independent Variant Associated with CYP2D6 Expression and Activity</i> <i>Presenter: Dylan Smith</i>
3:40 - 3:50 p.m. Q&A: 3:50– 3:55 p.m.	<i>Determining long-term health and nutrition outcomes of children who completed treatment in a child malnutrition center for severe acute malnutrition</i> <i>Presenter: Alison Ruf</i>
3:55 – 4:05 p.m. Q&A: 4:05 - 4:10 p.m.	<i>The Impact of Ketorolac Utilization on Outcomes in Spine Surgery: Systematic Review and Meta-Analysis of Randomized Controlled Trials</i> <i>Presenter: Anthony N. Bauman</i>

POSTER PRESENTATIONS

Group A

Group B

<p>1. Educating Patients on Diabetic Neuropathy</p> <p><i>Presenter: Maria Elsoury</i></p>	<p>2. Handout with Updated Direction on Aiding Patients in Smoking Cessation in a Primary Care Clinic</p> <p><i>Presenter: James Berry</i></p>
<p>3. Impact of Neurology Educational Experiences on Student Interest in Neuroscience Specialties</p> <p><i>Presenter: Colin Fricker, Ethan Vo</i></p>	<p>4. Medical Students as Teachers: Preparing the Next Generation</p> <p><i>Presenter: Lindsey Colvin</i></p>
<p>5. Improving Patient Education for Self-Management of Diabetes Mellitus</p> <p><i>Presenter: Erik Lamb</i></p>	<p>6. Improving Portal System Enrollment and Engagement at AxBessPointe</p> <p><i>Presenters: McKenzie Parks</i></p>
<p>7. Role of TUBB3 in Age Related Intervertebral Disc Degeneration</p> <p><i>Presenter: Max Alvarez</i></p>	<p>8. Recurrent Instability after Shoulder Stabilization Surgery at a Single Pediatric Institution: A Different Approach to Defining Failure</p> <p><i>Presenter: Emily Arellano</i></p>
<p>9. TUBB3 Deletion Suppressed Age Related Intervertebral Disc Degeneration in a Mouse Model</p> <p><i>Presenter: Mustafa Husein</i></p>	<p>10. Mapping the Autonomic Deep Cerebellar Nuclei</p> <p><i>Presenters: Madeline Guy</i></p>

Group A

Group B

<p>11. Deep Cerebellar Nuclei's Influence on the Autonomic Nervous System</p> <p><i>Presenter: Labeeb Ahmad</i></p>	<p>12. Ultrastructure of NPY Profiles in the Young and Old Central Inferior Colliculus</p> <p><i>Presenter: Josh Harris</i></p>
<p>13. Investigating Methods to Assess Simultaneous Excitatory and Inhibitory Neural Activity in Mongolian Gerbils Primary Auditory Cortex</p> <p><i>Presenter: Michael Alduino</i></p>	<p>14. Mapping of Cell-Surface Integrin $\alpha V\beta 5$ in Brains of Alzheimer's Model Mice and Control Mice</p> <p><i>Presenter: Leslie Gonzalez</i></p>
<p>15. Structural and Functional Alteration in Retinal Ganglion Cells following Traumatic Brain Injury</p> <p><i>Presenter: Marcella Hegarty</i></p>	<p>16. Morphological Changes in Optic Disc Size in 3xtg compared to c57 Mice across Sex and Age Group</p> <p><i>Presenter: Mark Louis Fusillo</i></p>
<p>17. Defining Hippocampal Neural Circuits That Influence Sympathetic Output</p> <p><i>Presenter: Caleigh Rudolf</i></p>	<p>18. NPY mRNA in the Young and Old Central Inferior Colliculus</p> <p><i>Presenter: Kristen M. Crane, Jeff Mellott, Laila S. Almassri</i></p>
<p>19. Neurological Lipid Dynamics: Regulation of Cholesterol Metabolism in the Gut-Brain Axis</p> <p><i>Presenter: Rahul Chandra</i></p>	<p>20. Descending Projections from the Inferior Colliculus to the Superior Olivary Complex</p> <p><i>Presenter: Brian Barral</i></p>

Group A

Group B

<p>21. Evaluation of Prescribing Patterns in Local Community Intensive Care Unit for Hospital-acquired and Ventilator-associated Pneumonia Compared to Guideline Directed Therapy in Adults</p> <p><i>Presenter: Megan Castelli, Olivia Pauly</i></p>	<p>22. Determination of Breastfeeding Safety with Opioid Use Disorder Treatment Drug Naltrexone</p> <p><i>Presenter: Kamille Miracle</i></p>
<p>23. An Answered Call for Aid? Cannabinoid Clinical Framework for the Opioid Epidemic</p> <p><i>Presenter: Krista Hammaker</i></p>	<p>24. Analysis of Current Treatments for Cannabinoid Hyperemesis Syndrome (CHS)</p> <p><i>Presenter: Leo Puhalla</i></p>
<p>25. Novel Independent Variant Associated with CYP2D6 Expression and Activity</p> <p><i>Presenter: Dylan Smith</i></p>	<p>26. Describing the Current Landscape of pass/fail grading schemes within Pharmacy Education through Survey Data and Semi-Structured Interviews</p> <p><i>Presenter: Ava Jakob</i></p>
<p>27. Exploring Housing Instability, Exercise and Diabetes Among People with Serious Mental Illness</p> <p><i>Presenter: Alyssa Battaglia, Christina Abd</i></p>	<p>28. Improvements of Mental Health Treatments in Prison</p> <p><i>Presenters: David Ceraolo</i></p>
<p>29. The Value of a Preclinical Mini-Preceptorship in Developmental Medicine</p> <p><i>Presenter: Lauren Falcon</i></p>	<p>30. Evaluation of Simulated Patient Cases Depicting Patients with Disabilities</p> <p><i>Presenter: Raman Bhambra</i></p>

Group A

Group B

<p>31. The Association of Food Insecurity and Health Outcomes for People with Serious Mental Illness</p> <p><i>Presenter: Tyler Chinsky, Sanaiya Ahmed</i></p>	<p>32. How is NEOMED contributing to the primary care physician shortage: A ten-year retrospective study of NEOMED College of Medicine Alumni</p> <p><i>Presenter: Lauriel Powell</i></p>
<p>33. Post-COVID-19 Syndrome and its Effects on Marginalized People</p> <p><i>Presenter: Charles Woolery</i></p>	<p>34. Erythrodermic Psoriasis: A Case Report</p> <p><i>Presenter: Maximilian Dawson</i></p>
<p>35. Undereducation is Afoot: Assessing the Lack of Acral Lentiginous Melanoma Educational Materials for Skin of Color</p> <p><i>Presenter: Vissy Elad</i></p>	<p>36. Skin Color Reporting in Squamous Cell Carcinoma-Related Randomized Controlled Trials in the Ten Most Impactful Dermatology Journals: A Systematic Review</p> <p><i>Presenter: Natasha Salmen, Devin Curtis</i></p>
<p>37. Erythema Elevatum Diutinum: A Case Report with MRI and Histopathology Findings</p> <p><i>Presenter: Margaret McGuigan, Justine Busby, Hafsa Hassan, Diana Albaba</i></p>	<p>38. Dermatology Pearls for Medical Students</p> <p><i>Presenter: Elham Aldosari</i></p>
<p>39. Hypopigmented Mycosis Fungoides- a Disease Disproportionately affecting Marginalized Populations: a Systematic Review Investigating Health Disparities and Barriers to Diagnosis</p> <p><i>Presenter: Abigail Singh</i></p>	<p>40. Water, Sanitation and Hygiene Quality Improvement in Nepal Project Summary</p> <p><i>Presenter: Michaela Macko</i></p>

Group A

Group B

<p>41. Baseline Assessment of Prenatal, Perinatal, and Postnatal Care on Newborn Health Outcomes in Rural Nepal</p> <p><i>Presenter: Phuong Tran</i></p>	<p>42. Evaluating Helping Babies Breathe and Helping Mothers Survive Intervention Outcomes on Provider Skill Acquisition in Nepal's Belkotgadhi Municipality</p> <p><i>Presenter: Shashank Raghavachari</i></p>
<p>43. Proposing A New Standard Hemoglobin Value Distribution Curve in Efforts to Improve Treatment of Anemia in High Altitude Nepalese Populations</p> <p><i>Presenters: Luis Pozo</i></p>	<p>44. Determining Long-Term Health and Nutrition Outcomes of Children who Completed Treatment in a Child Malnutrition Center for Severe Acute Malnutrition</p> <p><i>Presenter: Alison Ruf</i></p>
<p>45. Diagnoses, Treatments, and Outcomes in a Rural Neonatal Intensive Care Unit in India</p> <p><i>Presenters: Diana Arredondo</i></p>	<p>46. Key Practice Indicators for Hypothermia Management for Neonates in Rural Nepal</p> <p><i>Presenters: Nicholas Ventigan</i></p>
<p>47. Social, Cultural, and Economic Factors Contributing to Iron-Deficiency Anemia in a Rural District of Nepal</p> <p><i>Presenter: Bailey Brocker</i></p>	<p>48. The Current State of Maternal and Neonatal Healthcare Access in a Remote Nepal Municipality</p> <p><i>Presenter: Deven Curtis</i></p>
<p>49. Cultivating Food Security: An Examination of Food Acquisition and Scarcity in Rural Nepal</p> <p><i>Presenter: Niki Price</i></p>	<p>50. Measuring the Effectiveness of a Nutritional Rehabilitation Program for Severe Acute Pediatric Malnutrition in Rural India</p> <p><i>Presenters: Mohammed Butt</i></p>

Group A

Group B

<p>51. Prevalence of Anemia within the Belkotgadi Municipality of Nepal</p> <p><i>Presenter: Jackson Casteel</i></p>	<p>52. Perinatal Care Quality Review in Rural District of Nepal</p> <p><i>Presenter: Maximilian Brockwell</i></p>
<p>53. The Prevalence of Anemia in Children Admitted to the Child Malnutrition Treatment Center in Rural India</p> <p><i>Presenter: Milanya Thumma</i></p>	<p>54. Referred Headache of Ophthalmic Origin</p> <p><i>Presenter: James Raynor</i></p>
<p>55. A Comprehensive Study of Heart Disease in Ohio</p> <p><i>Presenter: Sanjana Vivekanandan</i></p>	<p>56. Elements of a Pediatric Sickle Cell Disease Center</p> <p><i>Presenter: Sofia Arruda</i></p>
<p>57. <i>Evaluating the Viz Artificial Intelligence (AI) Application in Acute Ischemic Stroke (AIS)</i></p> <p><i>Presenter: Loga Iyer</i></p>	<p>58. Cognitive Processes Contributing to Performance on Auditory Tasks in Adolescence and Young Adulthood</p> <p><i>Presenter: John Wenger</i></p>
<p>59. Low-Dose Atropine for Exotropia Control in Young Children</p> <p><i>Presenter: Tahir Kuraan</i></p>	<p>60. Kidney Replacement Therapy and Mortality in Children with Inborn Errors of Metabolism: A Meta-Analysis</p> <p><i>Presenters: Bryce Pember</i></p>
<p>61. Comparison of Outcomes and Adverse Events for Percutaneous Nephrostomy Tube Placement vs. Ureteral Stent vs. Lithotripsy in Antepartum Patients with Known or Suspected Nephrolithiasis</p> <p><i>Presenter: Meaghan Delahunty, Matthew Satariano</i></p>	<p>62. Sepsis Quality Improvement Project at Trumbull Regional Medical Center</p> <p><i>Presenters: Ryan Egbert, Natasha Salmen</i></p>

Group A

Group B

<p>63. Ambiguous Definitions of Neonatal Abstinence Syndrome and Subsequent Misdiagnoses</p> <p><i>Presenter: Simran Chandawarkar</i></p>	<p>64. Evaluating Ballroom Dance Curriculum: Pilot Testing Protocol for Parkinson's Disease Patients</p> <p><i>Presenter: Shivani Agarwal</i></p>
<p>65. Using Artificial Intelligence to Predict Mortality in AKI Patients: A systematic review/Meta-Analysis</p> <p><i>Presenter: Raghav Shah</i></p>	<p>66. Fun games, less pain?</p> <p><i>Presenter: Kate Jones</i></p>
<p>67. Infective Endocarditis in the Era of the Opioid Epidemic: The Experience of a Large Urban Teaching Hospital</p> <p><i>Presenter: Jared Hinton</i></p>	<p>68. Timing Matters: The Impact of Initial Surgical Debridement Delays on Patient Health Outcomes in Necrotizing Soft Tissue Infections</p> <p><i>Presenter: Andrew Fiorentino, Camryn Hawkins</i></p>
<p>69. Systematic Review of Extracorporeal CO2 Removal in Chronic Obstructive Pulmonary Disease Exacerbation</p> <p><i>Presenter: Abaan Saini</i></p>	<p>70. Extrarenal Manifestations of Atypical Hemolytic Uremic Syndrome: A systematic Review and Meta-Analysis</p> <p><i>Presenters: Abdel Yusuf</i></p>
<p>71. Chromonar does not Interfere with the Anti-Cancer Effects of Doxorubicin, but Prevents its Cardiotoxicity</p> <p><i>Presenter: Cayman Pearsall</i></p>	<p>72. MRI and Modern Diametric Magnet Cochlear Implants: A Systematic Review</p> <p><i>Presenter: Quan Lu</i></p>

Group A

Group B

<p>73. Protocol-driven, Multidisciplinary Resident-run Post Discharge Transition Clinic to Reduce Hospital Readmission in Heart Failure</p> <p><i>Presenter: Joseph Kessler</i></p>	<p>74. Mapping the Evolution of Existing Research in Robotic Cardiac Surgery: A Bibliometric Analysis</p> <p><i>Presenter: Tarik Whitham</i></p>
<p>75. Comparison of Clinical Outcome and Hemostatic Efficacy of Andexanet-Alpha and Four-Factor Prothrombin Complex for Reversal of Factor Xa Oral Anticoagulants in Patients with Severe Acute Brain Injury</p> <p><i>Presenter: Hunter Landwehr</i></p>	<p>76. Epidemiology Data on the Cost and Outcomes Associated with Pediatric Acute Kidney Injury</p> <p><i>Presenter: Imad Haq</i></p>
<p>77. Non-Arteritic Ischemic Optic Neuropathy Associated with the use of Rhino 68, Extreme 50000, and Magnum 24K: A Case Report</p> <p><i>Presenter: Jovana Hanna</i></p>	<p>78. Laryngopharyngeal Edema - An Emerging and Serious Immune-related Adverse Event After Pd-1 Inhibition: A Case Report</p> <p><i>Presenter: Sonam Patel</i></p>
<p>79. Cutaneous Reactions to COVID-19 Vaccine</p> <p><i>Presenter: Hafsa Hassan</i></p>	<p>80. Airway Management of a patient with Coffin-Lowry Syndrome: A Case Report</p> <p><i>Presenter: Shaarav Ghose</i></p>
<p>81. Cranial Nerve XII Palsy from Spontaneous Right Internal Carotid Artery Dissection</p> <p><i>Presenter: Michael Grasso, Jonathon McCann</i></p>	<p>82. Erythroderma with Waxy Palmoplantar Keratoderma: a Classic Presentation of Type 1 Pityriasis Rubra Pilaris (PRP)</p> <p><i>Presenter: Firdous Ali</i></p>

Group A

Group B

<p>83. A Rare Case of an Emergent Third Valve in Valve Intervention</p> <p><i>Presenter: Cole Thompson</i></p>	<p>84. Acetaminophen Absorption Test Mark to Assess Malabsorption</p> <p><i>Presenter: Balakrishna S. Brahmandam</i></p>
<p>85. A Case Report: Forearm Both Bone Unstable Fractures with Chronic Fungal Infection. Should the Hardware Come Out?</p> <p><i>Presenter: Cynthia Uzoukwu, Timilehin Ogunjana, MD</i></p>	<p>86. Factors Associated with COVID Vaccination Rates among Ohio Nursing Home Personnel</p> <p><i>Presenter: Erika Ratcliff</i></p>
<p>87. Bye-Bye HAIs: An Automated Hand Hygiene Monitoring System</p> <p><i>Presenter: Alex Powell</i></p>	<p>88. Training Video on How Healthcare Providers Can Create a Welcoming Environment for Latino/a Patients</p> <p><i>Presenter: Ricardo Velez Hernandez, David Ceraolo, Taeris Guzman</i></p>
<p>89. Increasing Dietitian Referral Rates with Patient Education Handouts</p> <p><i>Presenter: Jakob Harmon</i></p>	<p>90. Enhancing the Patient Portal Experience at Southwest General Health Center: A Survey-Based Approach</p> <p><i>Presenter: Angela Brkic</i></p>
<p>91. Obstructive Sleep Apnea and Depression: How Screening Tools Can Aid in Proper Diagnosis & Management</p> <p><i>Presenter: Abbey Henderson</i></p>	<p>92. Enhanced Recovery After Surgery (E.R.A.S) for Laparoscopic Cholecystectomy: A Quality Project</p> <p><i>Presenter: Melanie Fernandez</i></p>
<p>93. Improving Mammogram Compliance among Women aged 66-74: a Targeted Outreach Initiative at my Community Health Center</p> <p><i>Presenter: Adiaratou Ba, Richard Robertson</i></p>	<p>94. Reducing Time from Biopsy to Neoadjuvant Therapy and Time from Biopsy to Surgery in Breast Cancer Patients: A Quality Improvement Study</p> <p><i>Presenter: Jake Lininger</i></p>

Group A

Group B

<p>95. Incorporating Cadaveric-Specific CT Images into Anatomical Education</p> <p><i>Presenter: Alison Pryor</i></p>	<p>96. Effect of Spectro-temporal Characteristics of Sound Sequences and Anesthesia on Sound Processing in the Inferior Colliculus</p> <p><i>Presenter: Nikhil Harish</i></p>
<p>97. Motors for Flight: Fine-scale dermal Smooth Muscle Anatomy using Contrast-Enhanced microCT</p> <p><i>Presenter: Ishani Pandit</i></p>	<p>98. Mimicking In-Vivo Myometrial Cellular Phenotypes In-Vitro</p> <p><i>Presenter: Katelyn Sidloski</i></p>
<p>99. Anesthetization of Mandibular Afferents Significantly Increases Jaw Excursion during Infant Feeding</p> <p><i>Presenter: Elizabeth Dvorak</i></p>	<p>100. Histological Analysis of Lymphatic KRAS Mutation in Mouse Soft Tissue</p> <p><i>Presenter: Adam Sanchez</i></p>
<p>101. PI3Ky Inhibitor Potentiates Anti-PD-L1 Checkpoint Immunotherapy Against Head and Neck Squamous Cell Carcinoma</p> <p><i>Presenter: Pete Jordanides</i></p>	<p>102. Determining Neuronal Densities in the Cerebellums of the Beluga (Delphinapterus leucus) and Bowhead (Balaena mysticetus) Whales</p> <p><i>Presenter: Nicholas Hackstedde, Alexie Kindy</i></p>
<p>103. ILC3s production of IL-10 maintains intestinal immune homeostasis</p> <p><i>Presenter: Marian Khalil</i></p>	<p>104. The effects of ethanol on bile acid metabolism in Fgf15 intestinal knockout mice</p> <p><i>Presenter: Matthew Lowery</i></p>
<p>105. O-GlcNAc transferase regulates vascular smooth muscle cell phenotypic switching</p> <p><i>Presenter: Gilbert Hernandez</i></p>	<p>106. The mechanics of arboreal stability in squirrel monkeys (Saimiri boliviensis) and rhesus macaques (Macaca mulatta)</p> <p><i>Presenter: Mason Covell</i></p>

Group A

Group B

<p>107. DMSO exhibits a strong, Gram-dependent growth inhibitory effect on bacteria <i>Presenter: Anna Cmolik</i></p>	<p>108. The Effects of Simulated Gastroesophageal Reflux Disease on Infant Feeding Physiology in an Animal Model <i>Presenter: Brianna Owairu</i></p>
<p>109. Mandibular Nerve Anesthetization alters Motor Outputs during sucking in Infant Pigs <i>Presenter: Brianna Bish</i></p>	<p>110. The Aging Ultrastructure of GABAergic Modules in the Inferior Colliculus <i>Presenter: Erin Beskitt</i></p>
<p>111. <i>The Role of Mir-21 in Regulating Coronary Blood Flow and Coronary Flow Reserve in Diet-Induced Diabetes</i> <i>Presenter: Amanda Osagie-Ogbeide</i></p>	<p>112. Role of Autophagy in Aortic Valve Stenosis <i>Presenter: Maham Alvi, Klarens Menage</i></p>
<p>113. Preserving Critical Signals for Hematopoiesis in Ambient Air through Manipulation of Calcium and DPP4 Regulatory Pathways <i>Presenter: Riley Moberly</i></p>	<p>114. Thrombospondin-1 Promotes Vascular Smooth Muscle Cell De-differentiation in Diabetes <i>Presenters: Shreya Gupta</i></p>
<p>115. Substrate Optimization for Patients with Melas and Leigh Syndrome Using Induced Pluripotent Stem Cell-Derived Cardiomyocytes <i>Presenter: Taylor Yamamoto, Amber Dinchman</i></p>	<p>116. Living Cell, Gain of Signal Assay System for Broad Based Antiviral Testing for Sars-Cov-2 <i>Presenter: Hana Elsheemy</i></p>
<p>117. Profileplasy: Comprehensive Facial Profile Management Algorithm Based on 426 Patients <i>Presenter: Alexa Mier</i></p>	

SPECIAL THANKS:

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