24th Annual Undergraduate Research Symposium
Presenter Poster Numbers and Presentation Times

**Ward Alktaish**
*Project Title:* Differential Effect of Antibiotics Induced OMV on Receptor Expression in Alveolar Macrophages
*Poster Number:* 168  
*Presentation Time:* 11:00 am - 12:00 pm

**Douglas Alvarado**
*Project Title:* An Investigation of Genetic Mechanisms Underlying Strategic Growth in the Clown Anemonefish Amphiprion percula
*Poster Number:* 1  
*Presentation Time:* 11:00 am - 12:00 pm

**Sophia Alvarado**
*Project Title:* Prosecuting White Power: How does White Identity Shape American Legal Institutions?  
*Poster Number:* 65  
*Presentation Time:* 11:00 am - 12:00 pm

**Eva Amato Bauer**
*Project Title:* Student Perceptions of Safety on the Boston University Residential Campuses  
*Poster Number:* 66  
*Presentation Time:* 11:00 am - 12:00 pm

**Nojus Ausra**
*Project Title:* Investigating the Novel Molecular Regulators of Bacteria-Induced Inflammation and Sepsis in Mouse Alveolar Macrophages and Lung Epithelial Cells  
*Poster Number:* 169  
*Presentation Time:* 12:00 pm - 1:00 pm

**Meghan Ayre**
*Project Title:* The Costs of Extreme Weather Events on United States Military Instillations  
*Poster Number:* Electronic Poster 5  
*Presentation Time:* 11:00 am - 11:55 am

**Yeelin Bacchus**
*Project Title:* Implementation of CenteringParenting during the COVID-19 Pandemic  
*Poster Number:* 170  
*Presentation Time:* 11:00 am - 12:00 pm

**Adam Bahlous-Boldi**
Project Title: Measuring Lyman-Alpha Emissions with GISSMO
Poster Number: 221
Presentation Time: 11:00 am - 12:00 pm

Shirin Bakre
Project Title: Engineering Protein Signal Peptides for More Effective WNT Ligand Secretion from Endothelial Cells
Poster Number: 222
Presentation Time: 11:00 am - 12:00 pm

Violette Ballecer
Project Title: A Relation Between Local Forcing, Climate, and Biological Components of Carbon Uptake in an Urban Environment: A Case Study of Boston, Massachusetts
Poster Number: 37
Presentation Time: 11:00 am - 12:00 pm

Katie Barnes
Project Title: Positivity For Which Bodies: Exploring Body Positivity and Fat Acceptance on TikTok
Poster Number: Electronic Poster 1
Presentation Time: 11:00 am - 11:55 am

Madelyn Battcock-Emerson
Project Title: Improving Camelina Sativa’s Anti-Herbivory Chemical Defense Repertoire by Introduction of the Arabidopsis Genes Known to Increase Glucosinolate Production
Poster Number: 2
Presentation Time: 12:00 pm - 1:00 pm

Charlotte Beatty
Project Title: Throwing Out Tradition and Creating New Timelines: College Student Attitudes Towards Marriage and Family
Poster Number: Electronic Poster 6
Presentation Time: 11:00 am - 11:55 am

Paige Beaudry
Project Title: Amine Functionalized Poly-Amidosaccharide-RNA Nanoparticle for RNA Interference Therapeutic Delivery
Poster Number: 38
Presentation Time: 12:00 pm - 1:00 pm

Carolina Becerril
Project Title: Evaluation of the Influence of Social Media on College Students
Poster Number: 147
Presentation Time: 11:00 am - 12:00 pm

Hadwin Belcher
Project Title: The Effect of Lateral Trunk Position and Hip Adduction on Frontal Plane Hip Moments
Poster Number: 148
Presentation Time: 11:00 am - 12:00 pm

Joshua Bender
Project Title: Modeling Elastogranular Interactions via Simulation
Poster Number: 223
Presentation Time: 12:00 pm - 1:00 pm

Brennon Berard
Project Title: RET-Mediated Signaling Dynamics and Cross-Talk in Differentiating NB41A3-GFrα3 Cells
Poster Number: 39
Presentation Time: 11:00 am - 12:00 pm

Michelle Bernard
Project Title: Contribution of Mutations in SMAD6 to Risk of Craniosynostosis
Poster Number: 171
Presentation Time: 12:00 pm - 1:00 pm

Gabriela Berniac
Project Title: Conditioning Neural Progenitor Cells for Transplantation into Injury Environments in the Central Nervous System
Poster Number: 224
Presentation Time: 11:00 am - 12:00 pm

Kaveri Bhargava
Project Title: Exploring the Interplay Between Alternative Nearby Promoters
Poster Number: 3
Presentation Time: 12:00 pm - 1:00 pm

John Bolognino
Project Title: Fisheye Re-ID: Reliably Counting People in Large Indoor Spaces
Poster Number: Electronic Poster 7
Presentation Time: 11:00 am - 11:55 am

Hayden Bronson
Project Title: Search for Top-W Scattering in CMS
Poster Number: 40
Presentation Time: 11:00 am - 12:00 pm

Beverly-Danielle Bruno
Project Title: Does Bias among Medical Professionals Correlate with Black-White Disparities in Postpartum Depression and Mental Healthcare?
Poster Number: 67
Presentation Time: 11:00 am - 12:00 pm
Mary Campion
Project Title: The Effect of Perinatal Choline Supplementation on the Cognitive Function and Amyloidosis in the APPNL-G-F Mouse Model of Alzheimer’s Disease
Poster Number: 172
Presentation Time: 11:00 am - 12:00 pm

Sophie Caplan
Project Title: Print Path Routine for Multimaterial 4D Printing Applications
Poster Number: 225
Presentation Time: 11:00 am - 12:00 pm

Fiona Captan
Project Title: The Western Shoshone Radiation Poisoning and the Nevada National Security Site
Poster Number: 68
Presentation Time: 12:00 pm - 1:00 pm

Sophia Carias
Project Title: Characterizing Differences in Children’s Executive Function for Forgiveness
Poster Number: 69
Presentation Time: 11:00 am - 12:00 pm

Caspian Chaharom
Project Title: Trigger Development on DarkQuest Experiment
Poster Number: 41
Presentation Time: 11:00 am - 12:00 pm

Julie challain
Project Title: Evaluating the Relationship Between Hormonal Contraceptive Use and Depression
Poster Number: 70
Presentation Time: 12:00 pm - 1:00 pm

Nora Chan
Project Title: Investigating the Role of Soft Robotic Exosuits in Gait Training Post-Stroke: The Beginning Stages of a Parallel Group Randomized Controlled Trial
Poster Number: 149
Presentation Time: 12:00 pm - 1:00 pm

Danielle Chang
Project Title: Radical Characters: A Curatorial Project Exploring Design and Culture in the Chinese and Chinese American Community
Poster Number: 117
Presentation Time: 11:00 am - 12:00 pm

Kira Charny
Project Title: How Forgiveness Related to Social Cognition
Angela Chen  
**Project Title:** Screening Compound Collections for Inhibitors of the KEAP1-Nrf2 Protein-Protein Interaction  
**Poster Number:** 42  
**Presentation Time:** 11:00 am - 12:00 pm

Jessica Chen  
**Project Title:** Identification of Small Molecule Inhibitor IGGi-11 of GIV-Gai Interaction for Cancer-Associated Signaling Complex Targeting  
**Poster Number:** 173  
**Presentation Time:** 12:00 pm - 1:00 pm

Roy Chen  
**Project Title:** HappyCell - Your Genetic Design Helper  
**Poster Number:** 226  
**Presentation Time:** 12:00 pm - 1:00 pm

Wanyi Chen  
**Project Title:** Digital Humanities: The China Historical Christian Database  
**Poster Number:** 118  
**Presentation Time:** 12:00 pm - 1:00 pm

Yongting Chen  
**Project Title:** LC-MS/MS Analysis of Glycans Derivatized with a Reducing-end Fixed Charge  
**Poster Number:** 174  
**Presentation Time:** 11:00 am - 12:00 pm

Fangzhou Cheng  
**Project Title:** A Novel Oxalate-Curcumin-Based Imaging Probe: Enabling to Visualize Reactive Oxygen Species in Atherosclerosis  
**Poster Number:** 175  
**Presentation Time:** 12:00 pm - 1:00 pm

Victoria Cheng  
**Project Title:** Mapping the History of Christianity in China from 1550-1950  
**Poster Number:** 119  
**Presentation Time:** 11:00 am - 12:00 pm

Nicole Chiulli  
**Project Title:** Production of Central Tendency Effects in Interval Timing Tasks via Reinforcement Learning  
**Poster Number:** 72  
**Presentation Time:** 12:00 pm - 1:00 pm
Allison Chodes  
Project Title: Children's Propensity for Generalizing (CPG)  
Poster Number: 73  
Presentation Time: 11:00 am - 12:00 pm  

Morgan Clark  
Project Title: From the Net to the Met: Reducing the Barrier to Arts Engagement Through TikTok  
Poster Number: 74  
Presentation Time: 12:00 pm - 1:00 pm  

Quentin Clark  
Project Title: High-throughput Finite Temperature Properties of 2D Materials from First Principles  
Poster Number: 227  
Presentation Time: 11:00 am - 12:00 pm  

Rebecca Cole  
Project Title: Oxycodone Behaviors in Cacna1h Knockout Mice  
Poster Number: 176  
Presentation Time: 11:00 am - 12:00 pm  

Sadie Cowan  
Project Title: GDOC Freeze Frame Policies: Leaving Inmates Frozen in Time  
Poster Number: 75  
Presentation Time: 11:00 am - 12:00 pm  

Maximillan Dahlstrom  
Project Title: French Critical Appropriations of Nietzsche: Deleuze and Foucault  
Poster Number: 76  
Presentation Time: 12:00 pm - 1:00 pm  

Ryan de Kock  
Project Title: Non-Fullerene Acceptor Syntheses for Application in Organic Solar Cells  
Poster Number: 43  
Presentation Time: 12:00 pm - 1:00 pm  

Maura De Laney  
Project Title: Perceptions of Academic Misconduct at Universities in the United States  
Poster Number: 77  
Presentation Time: 11:00 am - 12:00 pm  

Vera Degtiareva  
Project Title: Pedagogy in Practice: Exploring the Use of Pedagogy Course Knowledge by Learning Assistants  
Poster Number: 44
Luca Del Deo  
**Project Title:** The Creation of Subconscious Agents as Religious Practice: Consideration of the Tulpamancy Case
**Poster Number:** 120
**Presentation Time:** 12:00 pm - 1:00 pm

Julie deLange  
**Project Title:** Assessing heat exposure in Chelsea and East Boston through a summer field study: Boston University School of Public Health & GreenRoots, Inc., Chelsea, MA
**Poster Number:** 150
**Presentation Time:** 11:00 am - 12:00 pm

Alexandra Denker  
**Project Title:** Sexual Restriction in Religions of the Ancient Mediterranean
**Poster Number:** 121
**Presentation Time:** 11:00 am - 12:00 pm

Niharika Desai  
**Project Title:** Effect of Nutritional Status on Transcriptional Factor NF-κB and Immunity in Sea Anemone Models: Implications for Effects of Environmental Change on Marine Organisms
**Poster Number:** 4
**Presentation Time:** 12:00 pm - 1:00 pm

Sebastian Diaz  
**Project Title:** Increasing the Throughput of an Autonomous Experimentation System for Mechanics
**Poster Number:** 229
**Presentation Time:** 11:00 am - 12:00 pm

Alexis DiFillipo  
**Project Title:** Disparities Amongst Popular Epidemiology Movements: How Power Structures Enforce Racism and Classism
**Poster Number:** 78
**Presentation Time:** 12:00 pm - 1:00 pm

Alexandra Dolynuk  
**Project Title:** Characterizing eLightOn for E. coli; a Single-Component, Highly Tunable, Optogenetic System
**Poster Number:** 230
**Presentation Time:** 12:00 pm - 1:00 pm

William Dorst  
**Project Title:** Setting Up Studies of Flamenco Mutant Flies and P-element Transposition in S2 Cells
**Delaney Dow**  
**Project Title:** Improving CT-based Lung Cancer Diagnosis Via In Silico Deformation Mapping Biophysical Characteristics of the Lungs  
**Poster Number:** 231  
**Presentation Time:** 11:00 am - 12:00 pm

**Erin Duffy**  
**Project Title:** How Does Parental Social Support Buffer Against Stress from COVID-19 to Promote Parent and Child Mental Health?  
**Poster Number:** 79  
**Presentation Time:** 11:00 am - 12:00 pm

**Sierra Dunn**  
**Project Title:** Transverse Modulational Dynamics of Patterns  
**Poster Number:** 217  
**Presentation Time:** 11:00 am - 12:00 pm

**Raphael Edwards**  
**Project Title:** Northern Diamondback Terrapin Nesting Response to Climate Change in Buzzards Bay  
**Poster Number:** 5  
**Presentation Time:** 12:00 pm - 1:00 pm

**Thierry Edwards**  
**Project Title:** Dissecting Protein Interactions with Multi-Domain Human Cofactors  
**Poster Number:** 6  
**Presentation Time:** 12:00 pm - 1:00 pm

**Khaliun Enkhbayar**  
**Project Title:** Endothelial Scavenger Receptors in the Hematopoietic Niche  
**Poster Number:** 178  
**Presentation Time:** 11:00 am - 12:00 pm

**Bella Faber-Rico**  
**Project Title:** Queer Womanhood and Body Image during the COVID-19 Pandemic  
**Poster Number:** 80  
**Presentation Time:** 12:00 pm - 1:00 pm

**Dina Famin**  
**Project Title:** The Development of the Artist in Franz Kafka's Fiction  
**Poster Number:** 122  
**Presentation Time:** 12:00 pm - 1:00 pm

**Alice Fan**
**Project Title:** Expanding the Lantern Complex Library: Homobimetallic Lantern Complexes and Related Mononuclear Species  
**Poster Number:** 45  
**Presentation Time:** 12:00 pm - 1:00 pm

**Maggie Farren**  
**Project Title:** Richard Wright and James Baldwin: The Role of the Black American Writer  
**Poster Number:** 123  
**Presentation Time:** 11:00 am - 12:00 pm

**Soumaya Fayie**  
**Project Title:** Small Scale COVID-19 WasteWater Surveillance at Boston University  
**Poster Number:** 232  
**Presentation Time:** 12:00 pm - 1:00 pm

**Helen Feng**  
**Project Title:** Interrogate the Interaction Between Transcription from Alternative Promoters  
**Poster Number:** 7  
**Presentation Time:** 11:00 am - 12:00 pm

**Sofiya Filippova**  
**Project Title:** Using Computational Modeling to Optimize Carbon Capture Systems  
**Poster Number:** 233  
**Presentation Time:** 11:00 am - 12:00 pm

**Delaney Finn**  
**Project Title:** Trust in Music Education - Understanding How Trust is Facilitated in A Music Making Space While Dismantling Power Structures  
**Poster Number:** 124  
**Presentation Time:** 12:00 pm - 1:00 pm

**Christine Foran**  
**Project Title:** Genotyping and Investigating Immune Response of Aldolase B Deficient Mice  
**Poster Number:** 8  
**Presentation Time:** 12:00 pm - 1:00 pm

**Kate Fraser**  
**Project Title:** Listener Perception and Identification of Asian American Speech  
**Poster Number:** 125  
**Presentation Time:** 12:00 pm - 1:00 pm

**Jodee Frias**  
**Project Title:** Testing of Short-Wave Infrared Probe for Tissue Water and Lipid Monitoring during Hemodialysis.  
**Poster Number:** 234
Nikolas Fritea  
**Project Title:** Effect of Netarsudil on Volume of Giant Vacuoles in Schlemm’s Canal Endothelial Cells of Human eyes  
**Poster Number:** 179  
**Presentation Time:** 12:00 pm - 1:00 pm

Samuel Fulton  
**Project Title:** Designing an Aerogel RICH Detector for EMPHATIC Experiment  
**Poster Number:** 46  
**Presentation Time:** 12:00 pm - 1:00 pm

Yaoyuan Gan  
**Project Title:** The Role of Algal Symbiont Long Mon-coding RNAs (LncRNAs) in the Coral Bleaching Response  
**Poster Number:** 9  
**Presentation Time:** 11:00 am - 12:00 pm

Arturo Garcia  
**Project Title:** Connected Vehicles in Vehicular Network Simulations  
**Poster Number:** Electronic Poster 2  
**Presentation Time:** 12:05 pm - 1:00 pm

David Garcia  
**Project Title:** The Localization of Golgin and P2X7 in Cell-Cell Signaling and Migration in the Context of Corneal Wound Healing in Diabetic and Normal Mice Models  
**Poster Number:** 180  
**Presentation Time:** 11:00 am - 12:00 pm

John Gardiner  
**Project Title:** Retinal Regulation of Antigen Presentation and Processing  
**Poster Number:** 181  
**Presentation Time:** 12:00 pm - 1:00 pm

Kamila Gareeva  
**Project Title:** Site-directed Mutagenesis of Ketohexokinase-C towards Understanding the Catalytic Mechanism  
**Poster Number:** 10  
**Presentation Time:** 12:00 pm - 1:00 pm

Evan Gilbert  
**Project Title:** The Racialized Dating Experiences of Asian, Black, and Latine Members of the LGBTQ Community  
**Poster Number:** 81  
**Presentation Time:** 11:00 am - 12:00 pm
Melissa Gillis  
**Project Title:** The Development of Nanoparticles to treat SARS-CoV-2  
**Poster Number:** 47  
**Presentation Time:** 11:00 am - 12:00 pm

Nichole Goldfeder  
**Project Title:** The Effect of 4-Aminopyridine on Synaptic Activity in the Crayfish Ventral Superficial Flexor  
**Poster Number:** 11  
**Presentation Time:** 11:00 am - 12:00 pm

Benjamin Graham  
**Project Title:** Determining The Effects of Laser Stimulation and Injection Surgery on Behavior During Complex Instrumental and Pavlovian Tasks  
**Poster Number:** 82  
**Presentation Time:** 12:00 pm - 1:00 pm

Charlotte Greenhill  
**Project Title:** How Global LGBTQ+ Identities Affect Health, Relationships, and Experiences: Qualitative Interviews with Queer Individuals from Around the World  
**Poster Number:** 151  
**Presentation Time:** 11:00 am - 12:00 pm

Christian Hahm  
**Project Title:** Do Economic and Social Resources Buffer the Impact of Life Shocks on Housing Instability?  
**Poster Number:** 83  
**Presentation Time:** 11:00 am - 12:00 pm

Kristen Harder  
**Project Title:** Regulation of Cell Death During Drosophila Oogenesis  
**Poster Number:** 12  
**Presentation Time:** 12:00 pm - 1:00 pm

Isabella Harkopf  
**Project Title:** Critical Pedagogy in School Music Programs: Examining the Disconnect from Teacher Preparation to Active Teaching  
**Poster Number:** 126  
**Presentation Time:** 12:00 pm - 1:00 pm

Jourdan Harold  
**Project Title:** The Effects of Diel Thermal Variability on Coral Symbiont Physiology and Overall Thermal Stress Resistance  
**Poster Number:** 13  
**Presentation Time:** 11:00 am - 12:00 pm

Alyssa Haynes
**Project Title:** Characterizing Responses of Bacterial Communities to Rapid Environmental Changes  
**Poster Number:** 14  
**Presentation Time:** 12:00 pm - 1:00 pm

**Ricardo Hernandez**  
**Project Title:** Terpene Remodeling of Raman Active Derivatives: Cholesterol  
**Poster Number:** 48  
**Presentation Time:** 12:00 pm - 1:00 pm

**Ana Herning**  
**Project Title:** Optimized Synthesis of an Air-Stable Fe(III) Fluorinated Hydroxide Alkoxide  
**Poster Number:** 49  
**Presentation Time:** 11:00 am - 12:00 pm

**Emily Hill**  
**Project Title:** Developing a Caffeine-Inducible Split Recombinase System in Zebrafish  
**Poster Number:** 182  
**Presentation Time:** 11:00 am - 12:00 pm

**Isabella Ho**  
**Project Title:** Exploring Viral Mechanisms of Immune Evasion through Inhibiting Interferon Signaling  
**Poster Number:** 15  
**Presentation Time:** 11:00 am - 12:00 pm

**Otto Holbrook**  
**Project Title:** Evaluation of Differential Expression between Endogenous Scabrous and the Scabrous S-120 Mutant  
**Poster Number:** 16  
**Presentation Time:** 12:00 pm - 1:00 pm

**Deidra Hoyt**  
**Project Title:** Moctezuma Xocoyotzin: The Benefits of Historical Fiction in Depicting the Indigenous Perspective of the Mexican Conquest  
**Poster Number:** Electronic Poster 2  
**Presentation Time:** 11:00 am - 11:55 am

**Sarah Huang**  
**Project Title:** Targeting UFD1 as a Novel Immunotherapeutic Approach for MYCN-Driven Neuroblastoma  
**Poster Number:** 183  
**Presentation Time:** 12:00 pm - 1:00 pm

**Veronica Hui**
**Project Title:** Exploring the Role of Akt Isoforms on the Morphologic and Migratory Behavior of Breast Cancer Mutants  
**Poster Number:** 235  
**Presentation Time:** 12:00 pm - 1:00 pm

**Abdelaziz Hussein**  
**Project Title:** A Statistical Study on Fast Plasma Streams in the Inner Magnetosphere  
**Poster Number:** 236  
**Presentation Time:** 11:00 am - 12:00 pm

**Ainsley Hutchison**  
**Project Title:** Effects of Corin on Epigenetic Change in Metastatic Melanocytes In Vivo: A Study with Xenopus Laevis Embryos  
**Poster Number:** 184  
**Presentation Time:** 12:00 pm - 1:00 pm

**Diane Hwangpo**  
**Project Title:** The Effect of Distorted Visual Cues on the Adaptive Size Modification of Clown Anemonefish (Amphiprion percula)  
**Poster Number:** 17  
**Presentation Time:** 11:00 am - 12:00 pm

**Nadja Jacimovic**  
**Project Title:** How Students Learn and Prepare Effectively for Classroom Work in Chemistry: Assessing the Utility of Question-Embedded Videos  
**Poster Number:** 50  
**Presentation Time:** 12:00 pm - 1:00 pm

**Arkash Jain**  
**Project Title:** Ultrafast Two-Dimensional Spectroscopy (2DIR) in Super Critical Fluids: Energy Relaxation and critical Slowing Effects  
**Poster Number:** Electronic Poster 3  
**Presentation Time:** 12:05 pm - 1:00 pm

**Taylor Janke**  
**Project Title:** Developing an Origami Soft Robotic Needle Deployment Mechanism for Endoscopic Procedures  
**Poster Number:** 237  
**Presentation Time:** 12:00 pm - 1:00 pm

**Chelsea Ji**  
**Project Title:** Exploratory Factor Analysis of the Revised ADHD Stigma Questionnaire Among Parents of Children in Primary Care  
**Poster Number:** 185  
**Presentation Time:** 12:00 pm - 1:00 pm

**JohnMichael Jurgensen**
**Project Title:** Longitudinally Modeling the Predictors of Political Propaganda Valence in the US: 1800-2000  
**Poster Number:** 127  
**Presentation Time:** 11:00 am - 12:00 pm

**Jude Kamoona**  
**Project Title:** Microfluidics Reimplemented  
**Poster Number:** Electronic Poster 8  
**Presentation Time:** 11:00 am - 11:55 am

**Brandon Kao**  
**Project Title:** The Role of Glucose in Tendon Explant Health  
**Poster Number:** 238  
**Presentation Time:** 12:00 pm - 1:00 pm

**Marine Kaufmann**  
**Project Title:** Affective Auditory Stimuli and its influence on the Pupil  
**Poster Number:** 84  
**Presentation Time:** 11:00 am - 12:00pm

**Anthony Khoudary**  
**Project Title:** Investigating the Temporal Specificity of Sequence Learning through Predictive Coding  
**Poster Number:** 18  
**Presentation Time:** 12:00 pm - 1:00 pm

**Connor Kim**  
**Project Title:** Quantification of Cellular and Non Cellular Components of Arteriovenous Fistula Explants  
**Poster Number:** 186  
**Presentation Time:** 11:00 am - 12:00 pm

**Dain Kim**  
**Project Title:** Empirical Algorithm Development and Validation of CDOM Absorption in Coastal Waters Along the Terrebonne Bay  
**Poster Number:** 51  
**Presentation Time:** 12:00 pm - 1:00 pm

**Sophia Kim**  
**Project Title:** Defending Intersectionality: Aemilia Lanyer, Emilia, and White Feminism  
**Poster Number:** 128  
**Presentation Time:** 12:00 pm - 1:00 pm

**Simon King**  
**Project Title:** Teacher Happiness: Examining and Measuring Emotional Labor in Education  
**Poster Number:** 85
Presentation Time: 11:00 am - 12:00 pm

**Piers Klein**  
**Project Title:** The Marburgvirus Genome Does Not Follow the Rule of Six  
**Poster Number:** 187  
**Presentation Time:** 12:00 pm - 1:00 pm

**Carlton Knox**  
**Project Title:** Machine Learning Based Hot Spot Prediction on Processor Chips  
**Poster Number:** 239  
**Presentation Time:** 11:00 am - 12:00 pm

**Rashid Kolaghassi**  
**Project Title:** Development of Molten Salt Flux for Solar-grade Silicon Production  
**Poster Number:** 240  
**Presentation Time:** 12:00 pm - 1:00 pm

**Ivan Kondratyev**  
**Project Title:** Investigating the Compartmentalization of Hippocampal DG Spatial Memory Engrams  
**Poster Number:** 86  
**Presentation Time:** 11:00 am - 12:00 pm

**Elizabeth Kostina**  
**Project Title:** Spatial Linguistics: Movement as Morphology, Structuralist Syntax, and the Oratory Ornament  
**Poster Number:** 87  
**Presentation Time:** 11:00 am - 12:00 pm

**Nika Kozlov**  
**Project Title:** Investigating SR-18292 and ZLN005 as Fetal Hemoglobin Coactivators for their Potential as Sickle Cell Anemia Therapies  
**Poster Number:** 188  
**Presentation Time:** 11:00 am - 12:00 pm

**Meera Krishna Kumar**  
**Project Title:** Electroconvulsive Therapy: Family Member Experiences  
**Poster Number:** 88  
**Presentation Time:** 12:00 pm - 1:00 pm

**Noah Kunkel-Smith**  
**Project Title:** The Development and Impact of Popular Education in Early Modern Germany  
**Poster Number:** 129  
**Presentation Time:** 11:00 am - 12:00 pm

**Ryan Lane**  
**Project Title:** Comprehensive Yeast Based Screen of Heterodimer DNA Binding
Poster Number: 19
Presentation Time: 11:00 am - 12:00 pm

Aksel Laudon
Project Title: Parvin-ILK-PINCH (PIP) Protein Complex is Essential for Normal Kidney Podocyte Adhesion
Poster Number: 189
Presentation Time: 12:00 pm - 1:00 pm

Teresa Le
Project Title: Effect of Chronic Social Defeat Stress on the PACAP System
Poster Number: Electronic Poster 4
Presentation Time: 12:05 pm - 1:00 pm

Harin Lee
Project Title: Soft-Robotic Fiber Jamming Mechanism for Variable Stiffness in Catheter Applications
Poster Number: 241
Presentation Time: 11:00 am - 12:00 pm

Pearl Lee
Project Title: Clinico-radiographic Predictors of Progression in Benign Lung Nodules Found on Screening CT Scans
Poster Number: 190
Presentation Time: 12:00 pm - 1:00 pm

Ying Hei Leung
Project Title: The Perceptions of and Participation in Policy Among Boston Music Educators
Poster Number: 130
Presentation Time: 12:00 pm - 1:00 pm

Brandon Li
Project Title: Application of Telemedicine Consultations for Chronic Pulmonary Disease: A Scoping Review
Poster Number: 191
Presentation Time: 12:00 pm - 1:00 pm

Man Li
Project Title: Temperature Regulation of Anti-herbivory Defense Compounds in Arabidopsis thaliana
Poster Number: 20
Presentation Time: 12:00 pm - 1:00 pm

Yuke Li
Project Title: Screening of Genomic Loci in Natural Isolates of D. discoideum for Targeted Integration Sites
Poster Number: 242
Sarah Liao  
**Project Title:** Effect of Gradually Reduced Portion Size Estimation Training on Portion Size Estimation Accuracy and Plausibility of Reported Energy Intake from a Web-Based Food Diary  
**Poster Number:** 153  
**Presentation Time:** 12:00 pm - 1:00 pm

Zi Heng Lim  
**Project Title:** Development of Fully Soft Robot Stabilization System for Minimally Invasive Intracardiac Surgery  
**Poster Number:** 243  
**Presentation Time:** 12:00 pm - 1:00 pm

Ben Lin  
**Project Title:** Role of Neutrophil Elastase (NE) on Autophagy Activities in Mouse Livers  
**Poster Number:** 192  
**Presentation Time:** 12:00 pm - 1:00 pm

Mable Lin  
**Project Title:** Studying Mouse Monocular Visual Cortex Potentiation with C-fos Immediate Early Gene Expression in Response to Monocular Visual Sequence Stimulation  
**Poster Number:** 21  
**Presentation Time:** 11:00 am - 12:00 pm

Amber Liu  
**Project Title:** Characterizing the Role of Aortic Carboxypeptidase-like Protein in Connective Tissue Disease  
**Poster Number:** 193  
**Presentation Time:** 11:00 am - 12:00 pm

Jieyu Liu  
**Project Title:** Comparing the Construction and Maintenance of Religious Worlds and Video Game Worlds  
**Poster Number:** 131  
**Presentation Time:** 11:00 am - 12:00 pm

Timothy Liu  
**Project Title:** Use of Electron Microscopy to Characterize Aβ-PrPC Assembly’s Structures  
**Poster Number:** 194  
**Presentation Time:** 12:00 pm - 1:00 pm

Max Lohse
Project Title: Creation of a Conditional hnRNPUL1 Knock-out in Human Cell Culture Using CRISPR/Cas9
Poster Number: 195
Presentation Time: 11:00 am - 12:00 pm

Mattie Love
Project Title: Using Automated Activity Monitoring to Detect Preference in Drosophila
Poster Number: 89
Presentation Time: 11:00 am - 12:00 pm

James Lu
Project Title: The Effect of the Hippo Pathway on Multiciliated Cells in the Airway Epithelium
Poster Number: 196
Presentation Time: 12:00 pm - 1:00 pm

Zhangchi Lu
Project Title: Automatic Inter-Person Distance Measurement using Overhead Fisheye Cameras
Poster Number: Electronic Poster 1
Presentation Time: 12:05 pm - 1:00 pm

Lincoln MacVeagh
Project Title: Constructing the Religious Other: Space and Spatial Practice in Medieval Christian-Muslim travel narratives
Poster Number: 132
Presentation Time: 12:00 pm - 1:00 pm

Ione Madsen Hardy
Project Title: Building Prosodic Proles for Pediatric Autism Spectrum Disorder and Developmental Language Disorder
Poster Number: 154
Presentation Time: 11:00 am - 12:00 pm

Lydia Mahan
Project Title: Analysis of the Utilization of Intervention Foods as Nutritional Supplementation in the TB-LION Study
Poster Number: 155
Presentation Time: 12:00 pm - 1:00 pm

Deborah Malekan
Project Title: Resistance to Frailty: Investigating Evidence of Osteoarthritis in a Mouse Model of Longevity
Poster Number: 156
Presentation Time: 12:00 pm - 1:00 pm

David Malkin
Project Title: A Cultural History of the American Strip Mall
Poster Number: 133
Presentation Time: 11:00 am - 12:00 pm

Alexi Man
Project Title: Disciplinary Talk and Spatial Talk Analysis in Urban Head Start Preschool Classrooms
Poster Number: 90
Presentation Time: 12:00 pm - 1:00 pm

Simone Marrujo
Project Title: Voltage-Gated Calcium and Potassium Channel Activity are Required for Normal Skeletal Patterning in Lytechinus variegatus
Poster Number: 22
Presentation Time: 12:00 pm - 1:00 pm

Rachel Martin
Project Title: Racial Disparities in Child Exposure to Neighborhood Firearm Violence Before and During the COVID-19 Pandemic
Poster Number: 157
Presentation Time: 12:00 pm - 1:00 pm

Catalina Martinez
Project Title: Localizing Muscarinic Receptors Involved in Sequence Learning in Mouse V1
Poster Number: 23
Presentation Time: 11:00 am - 12:00 pm

Alexandra Mascarello
Project Title: In Defense of the Humanities: A Play
Poster Number: 134
Presentation Time: 12:00 pm - 1:00 pm

Miguel Mazumder
Project Title: Microbial and Somatic Mutation Biomarkers in Male Prostate Cancer Inflammation
Poster Number: 197
Presentation Time: 11:00 am - 12:00 pm

Kelley McCutcheon
Project Title: PFAS Compounds are Teratogenic in Sea Urchin Embryos
Poster Number: 24
Presentation Time: 12:00 pm - 1:00 pm

Riley McDonald
Project Title: The Effect of 4-AP on Action Potential and Synaptic Potential in the Crayfish Neuromuscular Junction
Poster Number: 25
Grace Meara
Project Title: Exploring the Effect of a Chemokine on MYCN Amplification Neuroblastoma
Poster Number: 198
Presentation Time: 12:00 pm - 1:00 pm

Gianna Medeiros
Project Title: Determining The Effects of Chronic Intermittent Alcohol Drinking on the Levels of the Neuropeptide PACAP in the BNST
Poster Number: 199
Presentation Time: 11:00 am - 12:00 pm

Trevor Melsheimer
Project Title: Modeling the Effect of Pulse Plating Protocols on Dendrite Growth in Li Metal Batteries
Poster Number: 244
Presentation Time: 11:00 am - 12:00 pm

August Menchaca
Project Title: Surveying Past Participants to Assess the Long-Term Impact of Project Accelerate
Poster Number: 52
Presentation Time: 11:00 am - 12:00 pm

Moriah Mikhail
Project Title: Gender and Nationalism in Palestinian Resistance Literature
Poster Number: 135
Presentation Time: 11:00 am - 12:00 pm

Jayna Mikolaitis
Project Title: Weaving as Metaphor: An Arts Investigation of Female Labor, Memory Retention, and Storytelling through the Fiber Arts
Poster Number: 136
Presentation Time: 12:00 pm - 1:00 pm

Kira Milgrim
Project Title: Seeing the Forest AND the Trees: Computer Vision and Machine Learning Applied to Unmanned Aerial Vehicle Imagery at Harvard Forest
Poster Number: 53
Presentation Time: 12:00 pm - 1:00 pm

John Miller
Project Title: Understanding the Influence of the Gut Microbiome on Serotonin via the Gut-Brain Axis
Poster Number: 91
Presentation Time: 11:00 am - 12:00 pm
Gillian Minarik
Project Title: Toward Controllable and Scalable Synthesis of 2D Ni(OH)$_2$ with Large Domains via the Hydrothermal Method
Poster Number: 54
Presentation Time: 11:00 am - 12:00 pm

Cristina Morrison
Project Title: Onwards and Underground: Nuclear Waste Storage and Community Consent at New Mexico’s Waste Isolation Pilot Plant (WIPP)
Poster Number: 92
Presentation Time: 12:00 pm - 1:00 pm

Isabel Mullens
Project Title: Supporting Students with Learning and Attention Issues During COVID-19: Insights from General Educators
Poster Number: 93
Presentation Time: 12:00 pm - 1:00 pm

Leela Munsiff
Project Title: Multilingualism in Limol, Papua New Guinea
Poster Number: 137
Presentation Time: 11:00 am - 12:00 pm

Homar Murillo
Project Title: Facilitators and Barriers of Youth Advisory Boards in Healthcare
Poster Number: 200
Presentation Time: 12:00 pm - 1:00 pm

Liam Murray
Project Title: Increasing 3DuF Microfluidics Design Potential
Poster Number: 245
Presentation Time: 12:00 pm - 1:00 pm

Abgel Negassa
Project Title: Building response capacity to extreme heat exposure in Chelsea and East Boston through Participatory Action Research
Poster Number: 158
Presentation Time: 11:00 am - 12:00 pm

Carly Newell
Project Title: The Role of Nrp1 on Osteocyte Function
Poster Number: 26
Presentation Time: 12:00 pm - 1:00 pm

Julie Ngo
Project Title: Density of Inhibitory Populations of Neurons In First and High Order Thalamic Nuclei (LGN and MD) in Neurotypical Primate Brains
Nicole Nguyen  
**Project Title:** Optimal Concentrations of Deoxycytidine Analog Decitabine that Maximize Fetal Hemoglobin Expression and Cell Vitality  
**Poster Number:** 201  
**Presentation Time:** 11:00 am - 12:00 pm

Alexander Novakovic  
**Project Title:** A Topological and Non-Euclidean Dynamic Model of Biological Membranes and Viral Infection  
**Poster Number:** 218  
**Presentation Time:** 11:00 am - 12:00 pm

Annie O'Brien  
**Project Title:** Designing, Pretesting and Finalizing of the REDCap Database for the A-PLUS Growth & Microbiome Study  
**Poster Number:** 210  
**Presentation Time:** 12:00 pm - 1:00 pm

Mackenzie Obenreder  
**Project Title:** How Obesity Affects Human Breast Cancer Cell Invasion and Escape in a 3D Microfluidic Model  
**Poster Number:** 246  
**Presentation Time:** 11:00 am - 12:00 pm

Christopher Olsen  
**Project Title:** KHK Inhibition as a Potential Therapeutic Target for Type 2 Diabetes Mellitus  
**Poster Number:** 27  
**Presentation Time:** 11:00 am - 12:00 pm

Yeshim Onipede  
**Project Title:** Precommitment: Exploring the Effect of Volatility in a Decision Environment  
**Poster Number:** 94  
**Presentation Time:** 12:00 pm - 1:00 pm

Maria Osipovich  
**Project Title:** Abridged Versions of Don Quixote: A Study  
**Poster Number:** 138  
**Presentation Time:** 12:00 pm - 1:00 pm

Sarah Osman  
**Project Title:** The Effect of Tryptophan Metabolism Mutants on Gene Expression in Arabidopsis thaliana  
**Poster Number:** 28
Presentation Time: 12:00 pm - 1:00 pm

Nicole Ostrovsky
**Project Title:** Engineering Peptides and Peptidomimetics to Interfere at the SARS-CoV-2 Spike Protein-ACE2 Interface
**Poster Number:** Electronic Poster 5
**Presentation Time:** 12:05 pm - 1:00 pm

Beining Ouyang
**Project Title:** Improving the user interface of 3DuF, an Interactive Design Environment for Continuous Flow Microfluidic Devices
**Poster Number:** 247
**Presentation Time:** 11:00 am - 12:00 pm

Ashna Panchmatia
**Project Title:** The Efficiency of ERG in Lymphatic Endothelial Cells that Induces Lung and Heart Fibrosis
**Poster Number:** 202
**Presentation Time:** 11:00 am - 12:00 pm

Eli Panetta
**Project Title:** Uncertainty Effect in Evaluating Moral Decisions in a Foreign Language
**Poster Number:** 95
**Presentation Time:** 11:00 am - 12:00 pm

Yanni Pang
**Project Title:** MicroFaaS: Bare Metal Serverless on Single-board Computers
**Poster Number:** 248
**Presentation Time:** 12:00 pm - 1:00 pm

Christian Paredes
**Project Title:** "I wish I actually had known what the heck sex was:" A Mixed Methods Analysis of What Adolescent Sexual Minority Males Wish They Knew Prior to their Sexual Debut with a Male Partner
**Poster Number:** 161
**Presentation Time:** 12:00 pm - 1:00 pm

Christopher Park
**Project Title:** Expression and Purification of Proteins to Interact with the CIA targeting complex
**Poster Number:** 55
**Presentation Time:** 12:00 pm - 1:00 pm

Elaine Park
**Project Title:** Reconstitution of RNAi in Zebrafish
**Poster Number:** 203
**Presentation Time:** 11:00 am - 12:00 pm
Krizia Pascuccio
Project Title: Female Labor Participation, Crime Rates, and Entrepreneurship
Poster Number: 96
Presentation Time: 12:00 pm - 1:00 pm

Eleanor Paul
Project Title: The Interactions of Eukaryotic Translation Initiation Factor eIF5 with eIF1A and eIF2's beta Subunit
Poster Number: 204
Presentation Time: 12:00 pm - 1:00 pm

Jada Peart
Project Title: Analysis of Gene Activation by a Protist Nuclear Factor κB (NF-κB) Transcription Factor
Poster Number: 29
Presentation Time: 11:00 am - 12:00 pm

Yulu Peng
Project Title: Statistical Properties of Chorus-induced Electron Bursts with Butterfly Distributions Observed by Van Allen Probes
Poster Number: Electronic Poster 3
Presentation Time: 11:00 am - 11:55 am

Amelia Pfaff
Project Title: Understanding the Mechanism of NEMO Dimerization
Poster Number: 56
Presentation Time: 11:00 am - 12:00 pm

Jensine Phillips
Project Title: How a Lesson on Earth’s History Impacts Judgments about Environmental Transgressions
Poster Number: 97
Presentation Time: 12:00 pm - 1:00 pm

Maxine Phillips
Project Title: Continued Development of System Tests for the CMS Endcap Timing Layer Detector
Poster Number: 57
Presentation Time: 12:00 pm - 1:00 pm

Alexis Pickering
Project Title: Developing Pedagogical Approaches for Facilitating Active Learning in Remote Engineering Laboratories
Poster Number: 98
Presentation Time: 11:00 am - 12:00 pm

Sydney Pickering
**Project Title: Gender and Professional Military Education (PME) in the United States: A Case Study of the Naval War College**  
**Poster Number:** 99  
**Presentation Time:** 12:00 pm - 1:00 pm

**Felicia Pinto**  
**Project Title:** The Role of Glutamine Supplementation in Protein Synthesis of Murine Tendon Explants  
**Poster Number:** 249  
**Presentation Time:** 11:00 am - 12:00 pm

**Lucia Pintor-Hoffmann**  
**Project Title:** Qualitative Approach in Investigating Parental Autonomy Supportive Behavior and Child Engagement  
**Poster Number:** 100  
**Presentation Time:** 11:00 am - 12:00 pm

**Benjamin Pollak**  
**Project Title:** Optimization of Expression and Purification of Human Adenosine Kinase in BL21 E. coli for X-ray Crystallographic and Inhibition Studies with Ketohexokinase Inhibitors  
**Poster Number:** 58  
**Presentation Time:** 11:00 am - 12:00 pm

**Isabella Pompa**  
**Project Title:** Plasma Exosomes Drive Prostate Cancer Progression in Men with Comorbid Metabolic Disease  
**Poster Number:** 205  
**Presentation Time:** 11:00 am - 12:00 pm

**Meha Prabhu**  
**Project Title:** The Clinical Application of Digital Technology in Alzheimer’s Disease Dementia  
**Poster Number:** 206  
**Presentation Time:** 12:00 pm - 1:00 pm

**Eliza Price**  
**Project Title:** Registered Dietitian/Nutritionists (RDNs) in Intensive Outpatient Program (IOP) Treatment for Eating Disorders  
**Poster Number:** 162  
**Presentation Time:** 11:00 am - 12:00 pm

**Estelle Qi**  
**Project Title:** Structural Determination of Enzymes PglA and PglC from Campylobacter Concisus  
**Poster Number:** 59  
**Presentation Time:** 12:00 pm - 1:00 pm
Laura Raiff
Project Title: The Impact of Remote Communication on Relative Fundamental Frequency
Poster Number: 163
Presentation Time: 12:00 pm - 1:00 pm

Sahrah Rajeh
Project Title: Purification of Fructose 1,6-Bisphosphate Aldolase from Saccharomyces Cerevisiae for Use in an Assay to Measure Fructose 1-phosphate Levels In Vitro
Poster Number: 30
Presentation Time: 12:00 pm - 1:00 pm

Maya Rakoczy
Project Title: Density of Parvalbumin, Calbindin, and Calretinin Inhibitory Neurons in Subgenual Cingulate Area 25 of the Neurotypical Human
Poster Number: 164
Presentation Time: 11:00 am - 12:00 pm

Harrison Reiter
Project Title: Sequence and Truncation Effects on the Population of Aggregation-Prone States on the Evolutionarily Conserved Lipid Scavenger Protein, Serum Amyloid A
Poster Number: 60
Presentation Time: 11:00 am - 12:00 pm

Leanna Reynolds
Project Title: Strength of Aversive and Appetitive Associations and Maladaptive Behaviors
Poster Number: 101
Presentation Time: 12:00 pm - 1:00 pm

Sarah Richter
Project Title: Hypergamy in America
Poster Number: 102
Presentation Time: 11:00 am - 12:00 pm

Gabrielle Riese
Project Title: Framing and its Uses in a Second Grade Science Investigation
Poster Number: Electronic Poster 6
Presentation Time: 12:05 pm - 1:00 pm

James Roberts
Project Title: Developing an Annotation Scheme for Referring Expressions
Poster Number: Electronic Poster 7
Presentation Time: 12:05 pm - 1:00 pm

Gisela Rodriguez
Project Title: Puente: The Development of an International Latin American Theatre Conference.
Poster Number: 139
Presentation Time: 12:00 pm - 1:00 pm

Nicholas Rowe
Project Title: Documenting and Illustrating New Findings on the Mughal Gardens of Kashmir, India
Poster Number: 140
Presentation Time: 11:00 am - 12:00 pm

Xiangzhe Ruan
Project Title: 3DuF Feature and Algorithm Implementation
Poster Number: 250
Presentation Time: 12:00 pm - 1:00 pm

Kelsey Russell
Project Title: Women of Color Party Too
Poster Number: 103
Presentation Time: 11:00 am - 12:00 pm

Lily Russo
Project Title: Online Professional Development to Assess and Improve Teachers’ Comprehension of Natural Selection
Poster Number: 104
Presentation Time: 12:00 pm - 1:00 pm

Faris Rustom
Project Title: Applying Animal Camouflage Training to Enhance Neural Network Detection of Brain Tumors from Imaging Data
Poster Number: 105
Presentation Time: 11:00 am - 12:00 pm

Anthony Saab
Project Title: Improvement of the Power Supply unit for Electrodynamic Screen (EDS) film and Development of Electric Field Monitoring Methods for monitoring the EDS film’s Performance for Self-cleaning Solar Panels
Poster Number: 251
Presentation Time: 11:00 am - 12:00 pm

Justin Sadler
Project Title: Pythia: An Automated, Cross-Layer Instrumentation Framework for Diagnosing Performance Problems in Distributed Application
Poster Number: 252
Presentation Time: 12:00 pm - 1:00 pm

cedric salame
**Project Title:** Molecular Simulation of Ionic Liquids: From Molecular Interactions to Transport Properties  
**Poster Number:** 61  
**Presentation Time:** 12:00 pm - 1:00 pm

**Ana Santos**  
**Project Title:** Working Conditions and Instructional Decision Making in Classrooms for Students with Emotional and Behavioral Disabilities (EBD)  
**Poster Number:** 106  
**Presentation Time:** 12:00 pm - 1:00 pm

**Afua Sarpong**  
**Project Title:** Using Amplification-Refractory Mutation System-PCR to Discern Rising Frequency of Hereditary Fructose Intolerant Mutations  
**Poster Number:** 31  
**Presentation Time:** 12:00 pm - 1:00 pm

**Riya Sen**  
**Project Title:** Formulation of Trehalose Based Nanoparticles for Therapeutic Protein Delivery  
**Poster Number:** 253  
**Presentation Time:** 11:00 am - 12:00 pm

**Katherine Sena**  
**Project Title:** A Mouse model for Neonatal Opioid Withdrawal Syndrome (NOWS) induces Brain Region-specific Changes in Proteins Associated with Microglial Activation (IBA1) and Myelin Protein Expression (MBP)  
**Poster Number:** 207  
**Presentation Time:** 11:00 am - 12:00 pm

**Angelina Serafini**  
**Project Title:** Probing the Effects of Habitat Geometry on Bacillus Subtilis Swarming Morphology  
**Poster Number:** 32  
**Presentation Time:** 12:00 pm - 1:00 pm

**Samantha Sgrizzi**  
**Project Title:** Investigating the Role of the Calponin-1 Isoform in Aortic Smooth Muscle Contractility and Signal Transduction Scaffolding in CNNI Knockout Mice  
**Poster Number:** 165  
**Presentation Time:** 12:00 pm - 1:00 pm

**Shashwat Shah**  
**Project Title:** Development of a Behavioral Task Measuring Functional Activation Post-Stroke to Track Behavioral Recovery  
**Poster Number:** 254  
**Presentation Time:** 12:00 pm - 1:00 pm
Kristin Shanabrook
**Project Title:** Leveraging the Framingham Study to Investigate Relationships between Traumatic Brain Injury, Alzheimer's Disease and Related Dementias  
**Poster Number:** 208  
**Presentation Time:** 11:00 am - 12:00 pm

Medha Shekhar
**Project Title:** Characterization of Cell Death in Injured Heart Tissues  
**Poster Number:** 255  
**Presentation Time:** 11:00 am - 12:00 pm

Vivian Shen
**Project Title:** Uncovering Inhibitory Viral Mechanisms of Interferon Signaling  
**Poster Number:** 33  
**Presentation Time:** 11:00 am - 12:00 pm

Joshua Shterenberg
**Project Title:** Anomaly Detection and Diagnosis in High Performance Computing Systems via Semi-Supervised Machine Learning  
**Poster Number:** 256  
**Presentation Time:** 12:00 pm - 1:00 pm

Zachary Silfen
**Project Title:** In Silico Prototyping for Intranasally-Administered Agents for COVID-19 and Other Respiratory Pathogens  
**Poster Number:** 257  
**Presentation Time:** 11:00 am - 12:00 pm

Iris Simone
**Project Title:** Functionalization of Betulin to Terpene-Separated Amino Acids  
**Poster Number:** 62  
**Presentation Time:** 11:00 am - 12:00 pm

Blaire Smith
**Project Title:** Developing a Biologic AND Gate  
**Poster Number:** 258  
**Presentation Time:** 11:00 am - 12:00 pm

Darya Smolina
**Project Title:** Evaluating the Use of Homomorphic Encryption for CNN-based Inference on MNIST Dataset  
**Poster Number:** 259  
**Presentation Time:** 11:00 am - 12:00 pm

Angela Song
**Project Title:** The Fukushima Disaster: The Management of Radiation, Victims, Public Health, and Global Relations After a Decade from the 2011 Accident  
**Poster Number:** 107
Katherine Sotiropoulou  
**Project Title:** Effects of Pine Encroachment into Hardwood Forests on Fungal Communities and Soil Biogeochemistry  
**Poster Number:** 34  
**Presentation Time:** 12:00 pm - 1:00 pm

Nicholas Speranza  
**Project Title:** Socializing Under Siege: Cataloging Relationships in Minnie Vautrin’s Nanjing  
**Poster Number:** 141  
**Presentation Time:** 12:00 pm - 1:00 pm

Sandya Subramanian  
**Project Title:** Creating an Anatomical Atlas of Brainstem Cell Types  
**Poster Number:** 260  
**Presentation Time:** 12:00 pm - 1:00 pm

Rebecca Summit  
**Project Title:** Attitudes and Practice Patterns in Breastfeeding Counseling in Women with Epilepsy among Neurologists and Obstetricians  
**Poster Number:** 209  
**Presentation Time:** 11:00 am - 12:00 pm

Michelle Surets  
**Project Title:** Investigation of Chronic Hyperactivity for the Induction of Neurodegenerative Pathology  
**Poster Number:** 108  
**Presentation Time:** 12:00 pm - 1:00 pm

William Swift  
**Project Title:** Turn Detection in Post Stroke Walking Using Inertial Measurement Unit  
**Poster Number:** 166  
**Presentation Time:** 11:00 am - 12:00 pm

Ksenija Tasich  
**Project Title:** Developing a Minimally-Invasive Device that Quantifies Fibrosis and Assesses Chronic Kidney Disease Using Optical Spectroscopy  
**Poster Number:** 261  
**Presentation Time:** 11:00 am - 12:00 pm

Bhargavi Thakar  
**Project Title:** Perkins Automation Project  
**Poster Number:** 109  
**Presentation Time:** 11:00 am - 12:00 pm
Anusha Thaniana
**Project Title:** Expression of a Library of Proteins Encoded by the Sars-Cov-2 Coronavirus
**Poster Number:** 35
**Presentation Time:** 11:00 am - 12:00 pm

Yashasvi Tharani
**Project Title:** Effects of Fli 1 Downregulation on THP1 Migration
**Poster Number:** 210
**Presentation Time:** 11:00 am - 12:00 pm

Dayi Ting
**Project Title:** China Historical Christian Database, Mapping Christianity in China, 1550-1950
**Poster Number:** 142
**Presentation Time:** 11:00 am - 12:00 pm

Daniela Torres
**Project Title:** Improving Student Learning by Embedding Questions and Feedback in Video Resources
**Poster Number:** 63
**Presentation Time:** 12:00 pm - 1:00 pm

Benyamin Trachtenberg
**Project Title:** Two-Temperature Model for Femtosecond Laser Ablation of Graphene
**Poster Number:** Electronic Poster 8
**Presentation Time:** 12:05 pm - 1:00 pm

Kimberly Tran
**Project Title:** Investigating the Effects of Zaire Ebola Virus Transcription Factors on Host Chromatin Structure
**Poster Number:** 36
**Presentation Time:** 12:00 pm - 1:00 pm

Emily Truong
**Project Title:** VEGFA Promotes Cholangiocyte-driven Liver Regeneration in a Chronic Liver Injury Mouse Model
**Poster Number:** 211
**Presentation Time:** 11:00 am - 12:00 pm

Prasida Unni
**Project Title:** In silico and Behavioral Analyses of CSNK2A1 Variants related to Okur-Chung Neurodevelopmental Syndrome
**Poster Number:** 212
**Presentation Time:** 12:00 pm - 1:00 pm

Venika Vachani
**Project Title:** Using Computer Simulations To Model Viruses
Madison VanWyngarden
**Project Title:** Identification of 63 New Pulsating White Dwarf Stars with TESS
**Presentation Time:** 12:00 pm - 1:00 pm

C. Priya Voetsch
**Project Title:** Providing Quality Career Programming in Elementary Schools: What Does it Take to Do it Well?
**Presentation Time:** 11:00 am - 12:00 pm

Anika Walia
**Project Title:** Clinical Validation of a Deep-Learning Based Model To Predict Lung Cancer Risk from Chest X-Rays
**Presentation Time:** 12:00 pm - 1:00 pm

Jiayi Wang
**Project Title:** Hyakunin Isshu: Learning the Hundred Classical Japanese Poems with Maps
**Presentation Time:** 12:00 pm - 1:00 pm

Rakiya Washington
**Project Title:** Exploring the Logical Strategies Children Use to Remember Hidden Objects
**Presentation Time:** 12:00 pm - 1:00 pm

Luisa Watkins
**Project Title:** Mitigating Current Variation in Particle Beam Microscopy
**Presentation Time:** 11:00 am - 12:00 pm

Cheyenne Watts
**Project Title:** The Relationship Between Perceived Social Discrimination and Amygdala to Hippocampus Ratio Volume in Older Adults
**Presentation Time:** 11:00 am - 12:00 pm

Carrie Welter
**Project Title:** Reconstructing the Past in Stephen Sondheim and John Weidman’s "Assassins" and "Pacific Overtures"
**Presentation Time:** 11:00 am - 12:00 pm
Ziwen Xie
Project Title: Engineering Small Molecules and Peptides that Bind to SARS-CoV-2 Spike Protein in Closed Form
Poster Number: Electronic Poster 4
Presentation Time: 11:00 am - 11:55 am

Kailin Xu
Project Title: Understanding Clinical Settings for Cervical Cancer Screening and HPV Vaccination in the U.S.
Poster Number: 167
Presentation Time: 12:00 pm - 1:00 pm

Sophia Yakumithis
Project Title: Establishing Prestige: Holland’s Golden Age in the Modern American Museum
Poster Number: 145
Presentation Time: 11:00 am - 12:00 pm

Nikka Yamin
Project Title: The Direct and Interactive Effects of Identity Centrality and Community Connectedness on Mental Health Among LGBQ+ people
Poster Number: 113
Presentation Time: 11:00 am - 12:00 pm

Joanna Yang
Project Title: Effect of Antibiotics Use in Outcomes in Subarachnoid Hemorrhage (SAH) Patients
Poster Number: 214
Presentation Time: 12:00 pm - 1:00 pm

Jonathan Ye
Project Title: Developing a Pneumatic Soft Robotic Haptic Feedback Glove to Assist Minimally Invasive Surgery
Poster Number: 263
Presentation Time: 11:00 am - 12:00 pm

Young Ye
Project Title: Assessment of a Manual Tracking Algorithm for Dense Reconstruction of Transgenic Zebra Finch Neurons
Poster Number: 114
Presentation Time: 12:00 pm - 1:00 pm

Junze Yin
Project Title: Fractal Analysis of the Urbanization Development in Boston: 2000-2020
Poster Number: 220
Presentation Time: 11:00 am - 12:00 pm
Defne Yucebas
**Project Title:** Associations of Category Fluency Clustering and Switching Performance with in vivo Brain Pathology in Autosomal Dominant Alzheimer’s Disease
**Poster Number:** 115
**Presentation Time:** 11:00 am - 12:00 pm

Victoria Zdanowicz
**Project Title:** The Role of Fiber in the Diets of Wild Bornean Orangutans: Age-Sex Class Differences and Implications for Slow Juvenile Growth
**Poster Number:** 116
**Presentation Time:** 12:00 pm - 1:00 pm

Jintao Zhai
**Project Title:** The Catholic Missions in Modern Chinese History: Case-Studies based on the U.S. Passionist Archives (1921-1951) and the Maryknoll Archives (1918-1955) for the Boston University China Historical Christian Database (1550-1950)
**Poster Number:** 146
**Presentation Time:** 11:00 am - 12:00 pm

Tao Zhang
**Project Title:** Investigating Machine Learning-Based Optical Flow Algorithms on a Simulated Beating Heart
**Poster Number:** 264
**Presentation Time:** 11:00 am - 12:00 pm

Xiaoyu Zhang
**Project Title:** Improving the Accuracy of Glycan Structural Assignments with Stable Isotope Labeling
**Poster Number:** 215
**Presentation Time:** 11:00 am - 12:00 pm

Allyson Zheng
**Project Title:** The Effect of SARS-CoV-2 on Heart Muscle Cells: Comparison of Cultured Cardiomyocytes and Serum of COVID-19 Patients
**Poster Number:** 216
**Presentation Time:** 12:00 pm - 1:00 pm

Minglan Zheng
**Project Title:** X-World: Accessibility, Vision, and Autonomy Meet
**Poster Number:** 265
**Presentation Time:** 11:00 am - 12:00 pm

Brian Zhou
**Project Title:** Comparing Spo0A Activity Level in B. Subtilis Using Fluorescent Reporters
**Poster Number:** 266
Hui Cong (Kreiver) Zhou Peng
Project Title: Measurement of Thin SiO2 Films on IRIS Chips Using Color Images
Poster Number: 267
Presentation Time: 11:00 am - 12:00 pm