UNDERGRADUATE RESEARCH & INTERNSHIP SYMPOSIUM

WEITZ CENTER FOR CREATIVITY COMMONS
4:30 - 6:30 PM
OCTOBER 14, 2022

www.carleton.edu/research/symposium/2022-symposium
Acero, Marcos
Other Authors/Contributors: Sean Lyons '25
Title: Families of Chaos: Generalized Symmetry Analysis of Ordinal Patterns
Presentation time: 4:30 - 5:15 p.m.
Poster number: 1

Adams, Collin
Title: Investigating Hox Transcription Factor Binding in C. elegans via CRISPR/Cas9 Genome Engineering
Presentation time: 4:30 - 5:15 p.m.
Poster number: 2

Aladetan, Amira
Title: Follow the Science? Variation in COVID Exposure Policies among Academic Medical Center Child Care Facilities
Presentation time: 4:30 - 5:15 p.m.
Poster number: 3

Aldaghlas, Noorah
Title: Educated on Educators: An Internship at the Vermont Agency of Education
Presentation time: 5:45 - 6:30 p.m.
Poster number: 1

Alexander, Ariel
Title: Bereaved Parents Perspectives on Financial Toxicity at End-Of-Life for Children with Cancer
Presentation time: 4:30 - 5:15 p.m.
Poster number: 4

Arch, Evan
Other Authors/Contributors: Ryan Reigle '23, Tosh Le '24
Title: Measuring Noise in Oscillating Mesomagnetic Dots
Presentation time: 5:45 - 6:30 p.m.
Poster number: 2

BadjouenDzouabet, Audrey
Title: The School-to-Prison Pipeline: Interventions and its Relationships with Black Young Women
Presentation time: 5:45 - 6:30 p.m.
Poster number: 3

Baggett, Sophie
Title: Investigation of Platelet Mechanobiology with Microfluidic Devices: Fabrication and Function
Presentation time: 4:30 - 5:15 p.m.
Poster number: 5
Bailon, Avi
Title: GIS Contractor for the US Geological Survey
Presentation time: 4:30 - 5:15 p.m.
Poster number: 6

Baker, Jonah-Kai
Title: Good Courage Farm Internship
Presentation time: 5:45 - 6:30 p.m.
Poster number: 4

Bassekle, Grace
Title: Exploring the World of Climate Justice Philanthropy
Presentation time: 4:30 - 5:15 p.m.
Poster number: 7

Beasley, Tyler
Title: Psychiatry at Hôpital Saint-Antoine
Presentation time: 4:30 - 5:15 p.m.
Poster number: 8

Becker, Ruby
Title: Northfield Public Schools Summer Plus Program
Presentation time: 5:45 - 6:30 p.m.
Poster number: 5

Bell, Nicolas
Title: Investigating the Effects of Environment on Short-Term Microbial Mat Sediment Binding
Presentation time: 4:30 - 5:15 p.m.
Poster number: 9

Bell, Sydney
Title: Let’s write an R package!
Presentation time: 5:45 - 6:30 p.m.
Poster number: 6

Berets, Lillian
Title: Salmon in the Trees: Tracing Connectivity through the Ecologies of Southeast Alaska
Presentation time: 4:30 - 5:15 p.m.
Poster number: 10

Bergene, Eden
Title: Marketing Internship
Presentation time: 5:45 - 6:30 p.m.
Poster number: 7
Berger, James  
Title: *Benhamou Global Ventures Internship*  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 11

Blackmon-Jimenez, Demetrius  
Other Authors/Contributors: Adele Fredericks ’25, Sebastian Forero Escobar ’25  
Title: *Preliminary Results From the First Year of an Agricultural Field Trial of Enhanced Silicate Weathering as a Carbon Dioxide Removal Technology*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 8

Bloom, Malachy  
Title: *Angular Resolution of the Search for Anisotropic Stochastic Gravitational Wave Backgrounds with LISA*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 9

Blumenthal, Avery  
Title: *Will Establishing a Native Parasitic Plant (Pedicularis canadensis) Increase Plant Diversity in the Carleton Arboretum Prairie Restorations?*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 10

Borowski, Mileana  
Title: *Exploring Prison Based Dog Training Programs*  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 12

Bradie, Sam  
Title: *My Time With SayKid*  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 13

Brennan, Owen  
Title: *Affordable Housing Development*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 11

Bundy, Lauren  
Title: *Imaginary Worlds at the Musée en Herbe: Art, Education, and Cultural Engagement*  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 14

Burton, Kate  
Title: *Periosteum Protein Expression in BMP2 cKO Mice*  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 15
**Caballero, Nora**  
Title: *Cooking-Induced Particulate Matter in Ethiopia: Methodology and Data Analysis*  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 16

**Cadaram, Cole**  
Title: *Unveiling Trends in M-N-C Catalyst Performance by Developing a Model Reaction for Kinetic Studies*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 12

**Cai, Eway**  
Title: *Immunogenic Cell Death as a Possible Mechanism for MYC Inactivation-Induced Immune Response*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 13

**Cai, Huanchen**  
Title: *Essentialization of Racial Categories in Psychology Publications*  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 17

**Candelaria, Bee**  
Title: *Ancient Athenian Attitudes Towards the Working Class*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 14

**Carlson, Emma**  
Title: *Ventral Cord Masculinization in Hermaphrodite C. elegans*  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 18

**Cebulash, Elena**  
Title: *Close Reading for The Climate: Working as a Research Intern for Chrysalis Environmental Podcast*  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 19

**Chan, Martha**  
Title: *Research of DPD Deficiency and Surgical Intern*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 15

**Chang, Aiden**  
Title: *Internship With Charles Schwab*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 16
Cheng, Eric
Title: *Effect of P300/CBP inhibition on Transcriptome in Ewing sarcoma cell lines*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 17

Chittur, Athena
Title: *Investigating the KI Line of M-Dwarf Stars*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 18

Chou, Dorothy SiJhen
Title: *Faribault Middle School: Sharing Knowledge of STEAM*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 20

Chuen, Sophia
Title: *Online Audio Recording Quality of Speech*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 19

Cichowski, Luisa
Title: *Apprenticing at Zumwalt Acres -- Building Community, Soil Health, and a Crazy Future!*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 20

Collins, Ella
Title: *Living More, Without a Screen; How This Summer Shaped My Life*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 21

Costello, Chris
Title: *Comparative Analysis Of 19th Century Blind Institutions; Deadly Consequence of A Dublin Charity*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 22

Cross, Helen
Other Authors/Contributors: Rhesel Rivera ‘23
Title: *Characterizing Activity-Dependent System for Labeling Neurons in Drosophila melanogaster*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 21

Daniels-Koch, Ella
Title: "WWOOFing" in the South of France
Presentation time: 4:30 - 5:15 p.m.
Poster number: 22
Dao, Thang
Title: Understanding how MyChart Use can Support Adolescent Sexual and Reproductive Healthcare Needs
Presentation time: 5:45 - 6:30 p.m.
Poster number: 23

Davidson, Sonya
Title: Witnessing the Loose Knit of France’s Social Safety Net at URACA Basiliade
Presentation time: 4:30 - 5:15 p.m.
Poster number: 23

De Fer, Margaret
Other Authors/Contributors: Raine Bernhard ’23
Title: The American Revolution as Divorce
Presentation time: 5:45 - 6:30 p.m.
Poster number: 24

De La Paz, Diana
Title: The Art of Glassblowing
Presentation time: 5:45 - 6:30 p.m.
Poster number: 25

Dendi, Divya
Title: Arthropod Diversity in Phytotelmata of Calathea capitata (Ruiz and Pav.) Lindl. (Zingiberales: Marantaceae) Host Plants from Peru
Presentation time: 5:45 - 6:30 p.m.
Poster number: 26

DiCarlo, Sadie
Title: The Effect of Temperature Variability on Disease Transmission
Presentation time: 4:30 - 5:15 p.m.
Poster number: 24

Dippold, Clayton
Title: Introduction to the Crypto Legal World
Presentation time: 4:30 - 5:15 p.m.
Poster number: 25

Djerf, Patrick
Title: Plants in France: Exploring Biodiversity
Presentation time: 4:30 - 5:15 p.m.
Poster number: 26

Dominguez, Lara
Title: High Species Richness in Prairies without Dominants is Maintained as Dominant Grasses Invade
Presentation time: 5:45 - 6:30 p.m.
Poster number: 27
Donovan, Maya
Title: Working as a Research Assistant at the UCSF
Presentation time: 5:45 - 6:30 p.m.
Poster number: 28

Drake, Luke
Title: Towards Optimization of Digital Imaging and Communication in Medicine (DICOM) Processing Via Artificial Intelligence
Presentation time: 5:45 - 6:30 p.m.
Poster number: 29

Duan, Cathy
Title: From Design to Code: Building an Android App with Community in Mind
Presentation time: 4:30 - 5:15 p.m.
Poster number: 27

Dushime, Aarnie
Title: Think Tank for Action on Social Change
Presentation time: 4:30 - 5:15 p.m.
Poster number: 28

Eckersley-Ray, Noah
Title: Administrative Law at the Massachusetts Housing and Shelter Alliance
Presentation time: 5:45 - 6:30 p.m.
Poster number: 30

Eichelberger, John
Title: Union Organizing in Rochester Hotels
Presentation time: 4:30 - 5:15 p.m.
Poster number: 29

Engerman, Kaylin
Title: Effects of Dominant Grass Encroachment on Plant Biomass Dynamics in a 10-year Prairie Restoration Experiment
Presentation time: 5:45 - 6:30 p.m.
Poster number: 31

Eriksen, Dawson
Title: Sur les étagères: Identity and the Franco-Belgian Comic
Presentation time: 4:30 - 5:15 p.m.
Poster number: 30

Feldberg-Bannatyne, Maya
Title: Plutonism in the Sitka Greywacke: Preliminary U/Pb Dating
Presentation time: 5:45 - 6:30 p.m.
Poster number: 32
Fleishhacker, Jeremy
Title: *DUNE Sensitivity and Oscillations Beyond the Standard Model*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 33

Flinn, Connor
Other Authors/Contributors: Allie Fridkin ’23
Title: *Identification of the Seed Predators of Aster Species*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 34

Flores, Gustavo
Title: *Convexity of Four-Maximal Neural Codes*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 35

Folger, Isabel
Title: *Supporting Social Psychology Research in Reducing the Effects of Weight Stigma*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 31

Frankel, Hannah
Title: *Interning with Growing Up Healthy*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 32

Freedman, Emma
Title: *International Land Law and Gender Equality Internship at Resource Equity*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 33

Frost, Bella
Title: *Working in Communications on Capitol Hill*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 36

Gado, Samira
Title: *Cindy Axne for Congress*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 34

Galambos, Andras
Other Authors/Contributors: Yuelin Kuang ’25
Title: *Introducing Flaws into Polydimethylsiloxane Adhesives*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 37
Geist, Katherine
Other Authors/Contributors: Sean Boyce ’23
Title: *Molecular Dynamics Study of Cation Sites in Zeolites*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 38

Gerard, Cassie
Title: *Determining Feature Importance in Silver Nanoparticle Synthesis*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 39

Gilbert, Sam
Title: *Gender Based Violence Prevention and Education*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 35

Grader, Louisa
Title: *Angie Craig for Congress Fellowship*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 36

Griesel, Ben
Title: *Using machine learning to predict changes in clinical manifestations of DENV following the introduction of ZIKV in São Paulo, Brazil*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 40

Gulati, Aaryan
Title: *Examining Data on the French Legislative Elections*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 37

Gulledge, Skye
Title: *Resisting Definition and Anti-Autobiography in Han Suyin’s A Many-Splendored Thing*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 41

Guzman, Malachy
Title: *Visual Prediction of Mouse Mass With Machine Learning*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 42

Haddock, Clay
Title: *Summer at Agena and Yale SOM*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 38
Hall, Margaret
Title: Cooking-Induced Particulate Matter in Ethiopia: The Effects of Improved Cookstoves
Presentation time: 4:30 - 5:15 p.m.
Poster number: 39

Han, Barry
Title: Research on the Application of Abstract Algebra in R3 Geometry
Presentation time: 4:30 - 5:15 p.m.
Poster number: 40

Han, Wenlai
Title: Photochemical pathway for selective epimerization of primary chiral α-aminos
Presentation time: 5:45 - 6:30 p.m.
Poster number: 43

Hanshaw, Faith
Title: Keep Breathing! Gaping patterns and respiration of invasive mussels in the Pacific Northwest
Presentation time: 4:30 - 5:15 p.m.
Poster number: 41

Hardy-Mittell, Greta
Title: 826 MSP Education Internship
Presentation time: 4:30 - 5:15 p.m.
Poster number: 42

Harmon, Bailey
Title: Engineered CAR-Macrophage to Target Neuroblastoma
Presentation time: 5:45 - 6:30 p.m.
Poster number: 44

Hawadle, Abdisalan
Title: The Effects of Temperature and Flow on Respiration in two Marine Mussels
Presentation time: 5:45 - 6:30 p.m.
Poster number: 45

Hazen, Gavin
Other Authors/Contributors: Yichen (Ethan) Li ’23
Title: Creating Cheaper Mixed Metal Oxide Films for Renewable Hydrogen Production
Presentation time: 4:30 - 5:15 p.m.
Poster number: 43

Heidebrecht, Sophia
Other Authors/Contributors: Ellie Reinhold ’23
Title: Dressing the Past: Style and Substance in the Tudor Court
Presentation time: 5:45 - 6:30 p.m.
Poster number: 46
Hein, Ella  
Title: *Integrated Mesoscale Architectures for Sustainable Catalysis*  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 44

Hemmer, Katelyn  
Title: *Social Media Strategy Internship with Mutual Aid Myanmar*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 47

Hempel-Costello, Simon  
Title: *Qutonomous Vertical Quadcopter Landings*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 48

Hiken, Sam  
Title: *Approximation Algorithms for Token Swapping*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 49

Hinton, Servon  
Title: *Sigma Financial Corporation Internship*  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 45

Hoang, Ania  
Title: *Science Writing Intern at Concussion Alliance*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 50

Hodge, Shakeal  
Title: *Final Touch LLC Summer Research Intern*  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 46

Hoganson, Annemily  
Title: *Partition Fun: On Certain McKay Numbers of Symmetric Groups*  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 51

Holtey, Bjorn  
Title: *Examining Election News: Political News Coverage by Upper Midwest Local Television Stations in 2008 and 2016*  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 47
Hoz, Mattias
Title: Policy and Advocacy in the Governor’s Office
Presentation time: 4:30 - 5:15 p.m.
Poster number: 48

Hu, Helen
Title: Perceiving Symmetry Across Wide Separations
Presentation time: 4:30 - 5:15 p.m.
Poster number: 49

Huang, Cassie
Title: First Principles Approach to Extracting Chemical Information from X-Ray Absorption Near-Edge Spectra of Ga(I)-Containing Materials
Presentation time: 4:30 - 5:15 p.m.
Poster number: 50

Hudson, Scott
Title: Collections Intern at the Baltimore Museum of Industry
Presentation time: 5:45 - 6:30 p.m.
Poster number: 52

Ifedi, Chiamaka
Title: Real Nation Internship
Presentation time: 5:45 - 6:30 p.m.
Poster number: 53

Jacobs, Oliver
Title: World in a Dish: History, Food and Culture in Oman and Jordan
Presentation time: 5:45 - 6:30 p.m.
Poster number: 54

Jimenez, Tatiana
Title: Designing a bifunctional small molecule probe to sequentially detect H2O2 and protein sulfinic acid modifications
Presentation time: 5:45 - 6:30 p.m.
Poster number: 55

Jin-Lee, Helen
Title: Development of a Ligand-Directed Target Identification Method
Presentation time: 4:30 - 5:15 p.m.
Poster number: 51

Johnson, Teagan
Title: Developing a Scientific Data Search Engine
Presentation time: 4:30 - 5:15 p.m.
Poster number: 52
Kachman, Diana
Title: Implementing Peer Supports in Behavioral Parent Training Programs in Underserved Communities
Presentation time: 5:45 - 6:30 p.m.
Poster number: 56

Kerwin, Maggie
Title: Investigating the Structural and Cellular Roles of Angiomotin Isoforms
Presentation time: 4:30 - 5:15 p.m.
Poster number: 53

Khesin, Maya
Title: How does chaos affect the average over quantum measurements?
Presentation time: 5:45 - 6:30 p.m.
Poster number: 57

Kim, Ori
Title: Youth Empowerment and Insecurities in Northfield
Presentation time: 4:30 - 5:15 p.m.
Poster number: 54

Kim, Sunny
Title: Programming Web Crawlers
Presentation time: 5:45 - 6:30 p.m.
Poster number: 58

Kisker, Susanna
Title: Mortality Predictor after Rheumatic heart disease valve surgery: Retrospective Cohort Study
Presentation time: 4:30 - 5:15 p.m.
Poster number: 55

Klay, Meredith
Other Authors/Contributors: Eledon Beyene ’23
Title: Bacterial Expression of Unstable Mitochondrial Enzyme Mutants
Presentation time: 5:45 - 6:30 p.m.
Poster number: 59

Klos, Aya
Other Authors/Contributors: Bryan Le ’23
Title: Changing Nutrient Availability on Early Earth Forced Ancient Microbes to Share and Retain Metabolic Genes
Presentation time: 5:45 - 6:30 p.m.
Poster number: 60
Kondrashov, Ellis
Title: Doing Policy Work in Wisconsin Education Policy
Presentation time: 5:45 - 6:30 p.m.
Poster number: 61

Konidena, Padmini
Title: Interning at Concussion Alliance
Presentation time: 5:45 - 6:30 p.m.
Poster number: 62

Kucur, Ezra
Other Authors/Contributors: Sophie Baggett ’23, Collin Kelso ’25, Claire Boyle ’25
Title: PAMA 2022: Proyecto Arqueológico Medio Ambiente
Presentation time: 5:45 - 6:30 p.m.
Poster number: 63

Kunzman, Kira
Other Authors/Contributors: Kaori Hirano ’25
Title: Concussion Alliance Summer Internship: Resources for College Students with Concussion
Presentation time: 5:45 - 6:30 p.m.
Poster number: 64

Lankford, Rodrick
Title: Software Development Intern For Saykid
Presentation time: 5:45 - 6:30 p.m.
Poster number: 65

Lazo, Gaby
Title: Inquiry Science Education: Supporting the Exploratorium Teacher Institute
Presentation time: 5:45 - 6:30 p.m.
Poster number: 66

Lefkowitz, Emmett
Title: My Summer at RIAC Boston
Presentation time: 4:30 - 5:15 p.m.
Poster number: 56

Lehman, Elise
Title: Genre et Communs
Presentation time: 4:30 - 5:15 p.m.
Poster number: 57

Lele, Aashutosha
Title: Regenerative Farming Internship
Presentation time: 4:30 - 5:15 p.m.
Poster number: 58
Leon-Moffly, Ellie  
Other Authors/Contributors: Maddy LoRusso ’23, Suhani Thandi ’23, John Garay Hernandez ’24  
Title: Examining Episodic Memory Decline in Aging Tamarins  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 67

Lerdau, Rebecca  
Other Authors/Contributors: Toby Pasternak ’25  
Title: Interannual Variation in Flower Visitors Among Aster Species  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 68

Levine, Ben  
Title: Advertising in Boston: Interning at MullenLowe U.S  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 69

Li, Katrina  
Other Authors/Contributors: Mitchell Anderson ’23, Sylvie Dirkswager ’25, Seth Dorchen ’24  
Title: How does symbiosis impact the evolution of complex behavior?  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 70

Lin, Yuxin  
Title: Delving into Social Psychology Research at UNC-Chapel Hill  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 71

Lozoya, Amber  
Title: Children of Incarcerated Caregivers  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 72

Luljak, Julia  
Title: Northfield Public Library Internship  
Presentation time: 5:45 - 6:30 p.m.  
Poster number: 73

Mallya, Sachit  
Title: Business Development Intern at Fluid Dev  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 59

Malter, Astrid  
Title: The Ins and Outs of Service Dog Training  
Presentation time: 4:30 - 5:15 p.m.  
Poster number: 60
Marsh, Nikki
Title: My Summer with the Williamsport Crosscutters
Presentation time: 4:30 - 5:15 p.m.
Poster number: 61

McCarty, Sam
Title: Permaculture Internship
Presentation time: 5:45 - 6:30 p.m.
Poster number: 74

McGucken, Kelly
Title: Voice-Interactive Game Development for Education
Presentation time: 4:30 - 5:15 p.m.
Poster number: 62

McPherson, Nadia
Title: A Future-Oriented Nostalgia in German Cinema: Grün ist die Heide and Goodbye Lenin!
Presentation time: 4:30 - 5:15 p.m.
Poster number: 63

Meesena, Ton
Title: Minimizing Age of Processed Information under Unreliable Channels and Different Queueing Disciplines
Presentation time: 4:30 - 5:15 p.m.
Poster number: 64

Merrell, Sydney
Title: WildEarth Guardians
Presentation time: 4:30 - 5:15 p.m.
Poster number: 65

Michael, Sidra
Title: Black Aesthetics: The Black Arts Movement in Chicago and Los Angeles
Presentation time: 4:30 - 5:15 p.m.
Poster number: 66

Title: Garden Party Etiquette: A Stratigraphic Excavation of the Garden of Insula I.14 in Pompeii
Presentation time: 5:45 - 6:30 p.m.
Poster number: 75

Mirza, Will
Title: Navigating the United States Judiciary System as a Legal assistant for a small firm
Presentation time: 5:45 - 6:30 p.m.
Poster number: 76
Mitalski, Marjorie
Title: Swans As A Dinner Dish?
Presentation time: 5:45 - 6:30 p.m.
Poster number: 77

Mohamed, Suad
Title: Blocking Glycolysis in Hepatic Stellate Cells Reduces Hepatic Fibrosis In-Vivo
Presentation time: 4:30 - 5:15 p.m.
Poster number: 67

Montgomery, Lydia
Other Authors/Contributors: Nina Bunn ‘24
Title: The Power of Conversation: Podcasting for Climate Justice
Presentation time: 5:45 - 6:30 p.m.
Poster number: 78

Moshfeghi, Henry
Title: Summer Research: Retinopathy of Prematurity at Gemelli Hospital in Rome, Italy
Presentation time: 4:30 - 5:15 p.m.
Poster number: 68

Mueller, Noah
Other Authors/Contributors: Sara Abraha ‘25
Title: Making Parasitic Worm Proteins Without Bringing The Worms To Carleton
Presentation time: 5:45 - 6:30 p.m.
Poster number: 79

Mukeshimana, Georgie
Title: Empowering women through a recreation center
Presentation time: 5:45 - 6:30 p.m.
Poster number: 80

Mutschler, Brodie
Title: We Need Culture Change, Not Climate Change
Presentation time: 4:30 - 5:15 p.m.
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Na, Wanying
Title: Distribution of Three Mytilus Species and Hybrids on San Juan Island, WA
Presentation time: 5:45 - 6:30 p.m.
Poster number: 81

Nelson, Gisele
Other Authors/Contributors: Gitanjali Matthes ‘25
Title: Cloudy With a Chance of Data: Building a Research-Based Word Cloud Generation Tool
Presentation time: 5:45 - 6:30 p.m.
Poster number: 82
Nguyen, Quoc
Other Authors/Contributors: Conor Babcock O’Neill ’24, Cecilia Ehrlichman ’24
Title: Tumor Distance Measures
Presentation time: 5:45 - 6:30 p.m.
Poster number: 83

Ni, Zhanghan (Tony)
Title: Examining the Role of Alzheimer’s Disease in the Interaction Between Procedural and Deliberative Decision-making Systems
Presentation time: 4:30 - 5:15 p.m.
Poster number: 70

Nik, Adam
Title: Leveraging Self-Training in Causality Classification of Socio-Political Event Data
Presentation time: 5:45 - 6:30 p.m.
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Nyamao, Tiffany
Title: HealthPartners Neuroscience Research Internship
Presentation time: 4:30 - 5:15 p.m.
Poster number: 71

O’Grady, Frances
Title: District Attorney’s Office, Durham NC
Presentation time: 5:45 - 6:30 p.m.
Poster number: 85

Ochoa-Andersen, Jack
Title: Applying a Liberal Arts Education to the Business World
Presentation time: 4:30 - 5:15 p.m.
Poster number: 72

Okindo, Lindsay
Title: Early Maladaptive Schemas and Coping Responses of Children Receiving Services at a Child Advocacy Center
Presentation time: 4:30 - 5:15 p.m.
Poster number: 73

Olson, Brett
Title: Preserving Performance: A Summer at the Franklin Furnace Archive
Presentation time: 5:45 - 6:30 p.m.
Poster number: 86

Onwumere, Arthur
Title: The Hole In The Wall Gang Camp
Presentation time: 5:45 - 6:30 p.m.
Poster number: 87
Pandey, Kanishk
Title: Simulating the Magnetic Sensitivity of Spectral Lines
Presentation time: 4:30 - 5:15 p.m.
Poster number: 74

Park, Joseph
Title: Developing a Head-Fixed Behavioral Paradigm to Analyze Hippocampal Spatial Coding Properties
Presentation time: 5:45 - 6:30 p.m.
Poster number: 88

Parrott, Audrey
Title: Cooking-Induced Particulate Matter in Ethiopia: The Effects of Traditional Biomass Cookstoves
Presentation time: 4:30 - 5:15 p.m.
Poster number: 75

Petropoulos, Astrid
Title: NeuroPAL: A “PAL” for Identifying hot Gene Neuron Identities within the Ly6 Family
Presentation time: 4:30 - 5:15 p.m.
Poster number: 76

Pham, Benjamin
Title: Expanding Diversity, Equity, and Inclusivity in the Portland VA Hospital System and Shadowing the General Surgery Department
Presentation time: 5:45 - 6:30 p.m.
Poster number: 89

Phung, Kevin
Title: Consulting – with EY-Parthenon in Boston
Presentation time: 5:45 - 6:30 p.m.
Poster number: 90

Polanco, Aldo
Title: Working as a software engineer at Slack Technologies
Presentation time: 4:30 - 5:15 p.m.
Poster number: 77

Polley, Michaela
Title: Reverse Engineering Mass Spectrometry
Presentation time: 5:45 - 6:30 p.m.
Poster number: 91

Poreddy, Nithin
Title: Radiation Treatment Reduces Histone Deacetylase Inhibitor Immune Response
Presentation time: 5:45 - 6:30 p.m.
Poster number: 92
Pozzi, Isabella
Title: Developing Behavioral Assays to Study ly6 Protein Function in C. elegans
Presentation time: 5:45 - 6:30 p.m.
Poster number: 93

Prichard, Sophie
Title: Alaska Court System Internship
Presentation time: 4:30 - 5:15 p.m.
Poster number: 78

Prince, Grace
Title: Soil Texture Analysis of Metro Area Urban Forests
Presentation time: 4:30 - 5:15 p.m.
Poster number: 79

Qiang, Tony
Title: Isotope tracing to quantify differences in lipids metabolism in a β-catenin driven THLE cell model of hepatocellular carcinoma
Presentation time: 5:45 - 6:30 p.m.
Poster number: 94

Qu, Xiaoying
Title: Documentary Production Assistant at Guggenheim Production Inc.
Presentation time: 5:45 - 6:30 p.m.
Poster number: 95

Rabago, Alek
Title: Cooking-Induced Particulate Matter in Ethiopia: Improving Stove Performance
Presentation time: 4:30 - 5:15 p.m.
Poster number: 80

Raja, Daanyal
Title: Sorting and Analyzing Patient Data With Python
Presentation time: 4:30 - 5:15 p.m.
Poster number: 81

Rankin, Moira
Title: Wildlife Veterinary Medicine Internship at Rescue Center Costa Rica
Presentation time: 5:45 - 6:30 p.m.
Poster number: 96

Rast, Sophie
Title: History 432, “U.S. Society, Politics, and Culture, 1980-2040”
Presentation time: 4:30 - 5:15 p.m.
Poster number: 82
Riess, Becca
Title: Internship at Acumen Public Affairs in Brussels
Presentation time: 5:45 - 6:30 p.m.
Poster number: 97

Riley, Scout
Title: Emily Chez Paris: Interning on the hit Netflix Show Emily in Paris
Presentation time: 4:30 - 5:15 p.m.
Poster number: 83

Rock, Daven
Title: The Cytotoxicity of Viral Restriction Factor retroCHMP3 in Saccharomyces cerevisiae
Presentation time: 4:30 - 5:15 p.m.
Poster number: 84

Russell, Brenna
Title: Blood Brain Barrier (BBB): In-Vitro Characterization of UNC5B-Encoded Plasmids
Presentation time: 4:30 - 5:15 p.m.
Poster number: 85

Saksena, Caroline
Title: Diagnosing Healthcare’s Weaknesses through Public Health
Presentation time: 5:45 - 6:30 p.m.
Poster number: 98

Satish, Adi
Title: Investigating the neural circuitry of social motivation in Drosophila melanogaster
Presentation time: 5:45 - 6:30 p.m.
Poster number: 99

Semmelhack, Victoria
Other Authors/Contributors: Emmett Forster ’24, Kyra Landry ’24, Bee Candelaria ’24, and Amelie Cook ’25
Title: Small Cycladic Islands Project 2022
Presentation time: 4:30 - 5:15 p.m.
Poster number: 86

Seth, Shelly
Title: Clinical Research Internship at HealthPartners Neuroscience Center
Presentation time: 4:30 - 5:15 p.m.
Poster number: 87

Shao, Ted
Other Authors/Contributors: Gabby Reynaga ’23
Title: Double Trouble: Having Access to Two Males Concurrently During Mating Does Not Affect Female Rat Mating Behavior
Presentation time: 5:45 - 6:30 p.m.
Poster number: 100
Shapiro, Lucy
Title: Food Access Programs Internship at Food For Free
Presentation time: 4:30 - 5:15 p.m.
Poster number: 88

Sheffield, Frank
Title: The Architectural Effect of Genetic Mutations in S-locus region of Soybeans
Presentation time: 4:30 - 5:15 p.m.
Poster number: 89

Shen, Ming
Title: Determining a Pathological Model for Parkinson's Disease Using Drosophila
Presentation time: 4:30 - 5:15 p.m.
Poster number: 90

Shiffman, Mika
Title: Assisting Staffers in a Senate Office
Presentation time: 4:30 - 5:15 p.m.
Poster number: 91

Shore, Elijah
Title: Creating Chiral Solvents for Enantioselective Organocatalysis
Presentation time: 4:30 - 5:15 p.m.
Poster number: 92

Sinner, Phoebe
Title: Molecular Mechanisms of Immunosuppressant-Induced Attenuation of Binge Alcohol Drinking
Presentation time: 4:30 - 5:15 p.m.
Poster number: 93

Siyakurima, Muno
Title: Company Registration in Harare through Virtual Corporate Services
Presentation time: 5:45 - 6:30 p.m.
Poster number: 101

Smith, Turiya
Title: Stand Your Ground Laws & The Racial Contract
Presentation time: 4:30 - 5:15 p.m.
Poster number: 94

Smith-Erb, Matthew
Other Authors/Contributors: Cathy Guang ’23
Title: Deriving Tumor Consensus Trees Using Integer Linear Programming
Presentation time: 5:45 - 6:30 p.m.
Poster number: 102
Soehnlin, Natalie
Other Authors/Contributors: Lindsey Youngblood ’23
Title: Using Emission Lines to Determine the Triangulum Galaxy’s Evolutionary History
Presentation time: 4:30 - 5:15 p.m.
Poster number: 95

Solomon, Charles
Title: The Migrants’ Chronicles: 1892
Presentation time: 5:45 - 6:30 p.m.
Poster number: 103

Stark, Brayden
Title: Innovation and International Relations
Presentation time: 5:45 - 6:30 p.m.
Poster number: 104

Suwal, Karina
Title: L’hôpital du jour à l’hôpital de Pitié-Salpêtrière
Presentation time: 5:45 - 6:30 p.m.
Poster number: 105

Swanser, Dane
Title: Studying the French Education System with Les Petits Debrouillards
Presentation time: 4:30 - 5:15 p.m.
Poster number: 96

Tehrani, Neda
Title: Investigating the Signaling Pathway of AgRP Appetite Regulation
Presentation time: 4:30 - 5:15 p.m.
Poster number: 97

Teichman, Allison
Title: Neighborhood Outreach to Support Healthy Communities
Presentation time: 4:30 - 5:15 p.m.
Poster number: 98

Thao, Nectaree
Title: E-Commerce and Digital Marketing In Dublin, Ireland
Presentation time: 4:30 - 5:15 p.m.
Poster number: 99

Thompson, Drew
Title: Predicting Radiation Therapy Outcomes with Radiomics
Presentation time: 4:30 - 5:15 p.m.
Poster number: 100
Tilley, Rainey
Title: The Effect of Physician-Patient Communication About Uncertainty on Patient Satisfaction: a Review
Presentation time: 5:45 - 6:30 p.m.
Poster number: 106

Tu, Peter
Title: Using Voice Technology for Game Development
Presentation time: 4:30 - 5:15 p.m.
Poster number: 101

Twining, Semma
Title: Six Weeks as A Teacher in Kenya
Presentation time: 5:45 - 6:30 p.m.
Poster number: 107

Vaganov, Vasilii
Title: Development of Expression and Purification Protocols for Characterizing Members of the Ly6 Protein
Presentation time: 4:30 - 5:15 p.m.
Poster number: 102

Valdivia Acosta, Marycruz
Title: Latine Fatherhood, Machismo, and Autistic Child Upbringing
Presentation time: 4:30 - 5:15 p.m.
Poster number: 103

Vangstein, Selma
Title: Line-by-Line Measurements of the Epsilon Eridani spectrum
Presentation time: 5:45 - 6:30 p.m.
Poster number: 108

Vipparla, Aniketh
Title: Mitochondrial DNA Sequencing and Phylogeny Among two Host Races of the Goldenrod Gall Fly Eurosta solidaginis
Presentation time: 5:45 - 6:30 p.m.
Poster number: 109

Wang, Hongshen
Title: NKG2A blockade does not increase NK cell killing activity against ovarian cancer cell lines
Presentation time: 4:30 - 5:15 p.m.
Poster number: 104

Wang, Kevin
Title: Profiling Clonal Hematopoiesis of 982 Individuals in Mayo Clinic Biobank
Presentation time: 4:30 - 5:15 p.m.
Poster number: 105
Wang, Weiland
Title: NatD Oncogenic Mutants Effects on Acetylation Kinetics & Localization
Presentation time: 4:30 - 5:15 p.m.
Poster number: 106

Watson, Emma
Other Authors/Contributors: Ellie Vandel ’23
Title: Computational Investigation of Chemical Reactivity at Cobalt-Silicon Bonds
Presentation time: 5:45 - 6:30 p.m.
Poster number: 110

Werner, Grace
Title: Interning at the Immigrant Law Center of Minnesota
Presentation time: 5:45 - 6:30 p.m.
Poster number: 111

Weston, Ellie
Title: Measuring Surface Tensions of Liquid Lens Interfaces
Presentation time: 4:30 - 5:15 p.m.
Poster number: 107

Whitfield, Aiana
Title: Personal and Professional Development Summer 2022
Presentation time: 5:45 - 6:30 p.m.
Poster number: 112

Wiegman, Ella
Title: Dominant Grass Exclusion in Restored Prairie has Lasting Impacts on Ecosystem Properties
Presentation time: 5:45 - 6:30 p.m.
Poster number: 113

Williams, Augustus
Title: Compartmental Modeling of SARS-CoV-2 in Brazil
Presentation time: 5:45 - 6:30 p.m.
Poster number: 114

Win, John
Title: Raising Awareness on Myanmar Politics with Mutual Aid Myanmar
Presentation time: 4:30 - 5:15 p.m.
Poster number: 108

Witmer, Lauren
Other Authors/Contributors: Jack Rizzo ’24
Title: It’s, uhm, a foray into Corpus Linguistics
Presentation time: 5:45 - 6:30 p.m.
Poster number: 115
Woodruff, Ella
Title: Conservation and Public Education at the Atlantic White Shark Conservancy
Presentation time: 5:45 - 6:30 p.m.
Poster number: 116

Wu, Jingwen
Title: Mineralization of Carbon Dioxide using Slag Fertilizers
Presentation time: 5:45 - 6:30 p.m.
Poster number: 117

Wu, Josh
Title: Effect of Ndc80 and Spc24 mutations on Stu2 dynamics and occupancy & Tagging Kinetochoore Genes
Presentation time: 5:45 - 6:30 p.m.
Poster number: 118

Wyffels, Matt
Title: Summer Intern at Digital River
Presentation time: 4:30 - 5:15 p.m.
Poster number: 109

Yang, Andy
Title: Through Partisan Colored Glasses: Democratic Backsliding and Perceived Electoral Legitimacy in the 2020 U.S. Election
Presentation time: 4:30 - 5:15 p.m.
Poster number: 110

Yang, Zhihan
Title: A Review of MCMC Software for an Undergraduate Bayesian Statistics Course
Presentation time: 5:45 - 6:30 p.m.
Poster number: 119

Yeom, Jisoo
Title: MAB-5 in Neuronal Development of Male C. Elegans
Presentation time: 4:30 - 5:15 p.m.
Poster number: 111

Yuan, Eric
Title: Helping Constituents Through the Federal Government
Presentation time: 4:30 - 5:15 p.m.
Poster number: 112

Yue, Zitian
Title: Examining the Chromatic Drifts of the Etalon Calibration System used in HPF and NEID Projects
Presentation time: 5:45 - 6:30 p.m.
Poster number: 120
Yum, Karina
Title: *Evangelical Testimonies and LGBTQ+ Coming-Out Narratives*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 121

Zeman, Jane
Title: *Sustainability Internship in Northfield, Minnesota*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 113

Zewdu, Mariam
Title: *Ireland: Learning & Growth in Legal Aid*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 122

Zhang, Evelene
Other Authors/Contributors: Nzingha Joseph ’25
Title: *Mathematical Approaches to the Archaeological Refit Problem*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 114

Zhang, JoJo
Title: *Combatting Racism with SOS Racisme*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 123

Zhang, Xingyi
Title: *Semantic Priming in Word Clouds*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 115

Zhao, Songyan
Title: *VAE based explainable AI for music generation*
Presentation time: 4:30 - 5:15 p.m.
Poster number: 116

Zhong, Jimmy
Title: *Gut Microbiomes of the American Indian Children with Obesity Show Transition from Non-industrialized to Industrialized Lifestyle*
Presentation time: 5:45 - 6:30 p.m.
Poster number: 124

Zivsak, Aaron
Title: *Legal Affairs Internship in London*
Presentation time: 5:45 - 6:30 p.m.
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