



## Faculty of Arts and Sciences 2022-2023 Student Prize Recipients

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**Thomas Temple Hoopes Prize** ... *for excellent undergraduate work and excellence in the art of teaching.*

- to Mohammed Abuelem, class of 2023, a prize of \$5,000 for his project entitled "The Role of Juvenile Shank3 Re-Expression on Autistic-like Cognitive Flexibility Deficits in Male Mice"—supervised and nominated by Professor Takao Hensch
- to Josette Felice Abugov, class of 2023, a prize of \$5,000 for her project entitled "State v. DeLavallade: Reading Judicial Narratives and the Black Family Archive"—supervised and nominated by Professor Tiya Miles
- to Gabriel Ashe-Jones, class of 2023, a prize of \$5,000 for his project entitled "Transgender Rome"—supervised and nominated by Professor Naomi Weiss
- to Darius Atefat-Peckham, class of 2023, a prize of \$5,000 for his project entitled "Book of Kin"—supervised and nominated by Professor Tracy K. Smith
- to Sterling Bland, class of 2023, a prize of \$5,000 for his project entitled "The Radical Elite: Self-Segregation, Marxism, and the W.E.B. Du Bois of the Mid-1930s"—supervised and nominated by Ms. Madison Renner
- to Reese Caldwell, class of 2023, a prize of \$5,000 for his project entitled "We've Only Scratched the (Cell) Surface: Exploring and Exploiting a New Frontier of RNA Biology"—supervised and nominated by Professor Ryan A. Flynn
- to Sílvia Casacuberta Puig, class of 2023, a prize of \$5,000 for her project entitled "Finding Simple Models of Complex Objects: From Regularity Lemmas to Algorithmic Fairness"—supervised and nominated by Professor Salil Vadhan
- to Justin Chan, class of 2023, a prize of \$5,000 for his project entitled "Non-Cooperative Implementations of Cooperative Games"—supervised and nominated by Professor Eric Maskin
- to April Chen, class of 2023, a prize of \$5,000 for her project entitled "A Localized Approach to Fairness in Graph Neural Network-Based Models"—supervised and nominated by Professor James H. Waldo
- to Molly Chiang, class of 2023, a prize of \$5,000 for her project entitled "Novel DNA Metabarcoding Pipeline to Define Diet and Investigate Its Relationship with Gut Microbiome Composition in Wild Chimpanzees"—supervised and nominated by Professor Rachel Carmody
- to Connor Chung, class of 2023, a prize of \$5,000 for his project entitled "How Science Got a History: The Making of a Discipline and the Classical Ideal"—supervised and nominated by Professor Alex Csiszar

- to Jenna Cohn, class of 2023, a prize of \$5,000 for her project entitled "Reenvisioning Care in a Post-Roe World: Abortion Doulas as Activists, Care Workers, and Paramedical Actors"—supervised and nominated by Professor Anne Becker
- to Rose Collier, class of 2023, a prize of \$5,000 for her project entitled "Prayer in the Perilous Realm: The Impossible Landscape of Hieronymus Bosch's Hermit Saints"—supervised and nominated by Professor Joseph Leo Koerner and Professor Kimberley Patton
- to George Crowne, class of 2023, a prize of \$5,000 for his project entitled "From Urban Form to Friending Bias: Testing Jane Jacobs' Hypotheses"—supervised and nominated by Professor Andrei Shleifer
- to A.J. Dilts, class of 2023, a prize of \$5,000 for his project entitled "The Architecture of Advice: How the Bureau of Intelligence and Research Shaped President Kennedy's Policy in Vietnam, 1961-1963"—supervised and nominated by Professor Fredrik Logevall and Mr. Daniel Chardell
- to Adam Dwyer, class of 2023, a prize of \$5,000 for his project entitled "Operative (Work)Space: Reinventing the Office Layout Informed by Traditional Japanese Building Practice" —supervised and nominated by Professor Yukio Lippit
- to Aysha Emmerson, class of 2023, a prize of \$5,000 for her project entitled "Once Upon a Time in Fairy Creek: Resilience and Ruination in the Anthropocene"—supervised and nominated by Dr. Jennifer Perry
- to Katherine Michelle Enright, class of 2023, a prize of \$5,000 for her project entitled "From Natural History to National Heritage: The History and Politics of Displaying Colonial Natural History in Singapore Museums"—supervised and nominated by Professor Ajantha Subramanian and Professor Janet Browne
- to Sophie Feldman, class of 2023, a prize of \$5,000 for her project entitled "Longing and Belonging in the World's Coldest Country: Immigrant Integration in Norway"—supervised and nominated by Dr. Andrew Orvieto Brandel
- to Benjamin Firester, class of 2023, a prize of \$5,000 for his project entitled "Mostow Rigidity and Hyperbolic 3-Manifolds"—supervised and nominated by Professor Curtis McMullen
- to Caleb Fried, class of 2023, a prize of \$5,000 for his project entitled "Scale-Invariant Analysis of Paleoclimate Records—Using Bernoulli Statistics to Reconstruct a Globally Coherent Little Ice Age"—supervised and nominated by Professor Peter Huybers
- to Catherine Gallori, class of 2023, a prize of \$5,000 for her project entitled "Two major brainstem outputs for interoception"—supervised and nominated by Professor Stephen Liberles
- to Sophie Haugen, class of 2023, a prize of \$5,000 for her project entitled "A History of Contaminated Milk: Environmental Toxicity, Motherhood, and Activism in the 20th-Century United States"—supervised and nominated by Ms. Jamie Marsella
- to Naomi Hegwood, class of 2023, a prize of \$5,000 for her project entitled "Tall Trees and Where to Find Them: An Exploration of the Effects of Soil Characteristics, Climate, Topography, and Neighbors on Maximum Canopy Height"—supervised and nominated by Professor Paul R. Moorcroft

- to Brian Hsu, class of 2023, a prize of \$5,000 for his project entitled "The Offset and Host Light Distributions of Superluminous Supernovae: Archival Deep Dive with the Hubble Space Telescope"—supervised and nominated by Professor Edo Berger
- to Juliet Isselbacher, class of 2023, a prize of \$5,000 for her project entitled "The Right to Believe: New Approaches to the Epistemology of 'She Said, He Said' Cases"—supervised and nominated by Professor Susanna Rinard
- to Autumn Johnson, class of 2023, a prize of \$5,000 for her project entitled "Touch as a Key Regulator of Social Need"—supervised and nominated by Professor Catherine Dulac
- to Alec Philip Kahn, class of 2023, a prize of \$5,000 for his project entitled "The War on Rats: Rodent Control and the Ecology of Injustice, 1945-1975"—supervised and nominated by Dr. Michael King
- to Malaika Kanaaneh Tapper, class of 2023, a prize of \$5,000 for her project entitled "Strange Care in the War on Terror"—supervised and nominated by Dr. Duncan E. White
- to Do Yeon Kim, class of 2023, a prize of \$5,000 for her project entitled "A Mixed-Methods Investigation of the Stigma Related to Image-Based Sexual Abuse: Scale Development and Psychosocial Correlates"—supervised and nominated by Professor Mark Hatzenbuehler
- to Lauren Kim, class of 2023, a prize of \$5,000 for her project entitled "Streamlining the Reliable Diagnosis of Sexually-Transmitted Infections in Developing Countries through a Multiplexed, Microfluidics-Based CRISPR/Cas13 Platform"—supervised and nominated by Professor Pardis Sabeti and Dr. Mireille Kamariza
- to Caleb King, class of 2023, a prize of \$5,000 for his project entitled "What Sounding Alike Sounded Like: Understanding Sound Similarity as Seen Through Close Consonance in Biblical Hebrew Poetics"—supervised and nominated by Professor Julia Rhyder
- to Annelisa Kingsbury Lee, class of 2023, a prize of \$5,000 for her project entitled "Province and Nation in the History of Modern China's Coal Politics: Shanxi, Guizhou, and the Long Path to Decarbonization"—supervised and nominated by Professor Victor Seow
- to James Kitch, class of 2023, a prize of \$5,000 for his project entitled "Taming the Beast of Phylogenetic Trees: Learning Evolutionary Patterns of Mutation with Volume-Regularized NMF"—supervised and nominated by Professor Giovanni Parmigiani and Professor Shamil R. Sunyaev
- to Fabian Koenig, class of 2023, a prize of \$5,000 for his project entitled "Feeling the Truth: The Divergent Effects of Sadness and Anger on Misinformation Detection"—supervised and nominated by Professor Jennifer S. Lerner
- to Emma Lanford, class of 2023, a prize of \$5,000 for her project entitled "I Look Best When I Scream: A Horror Album"—supervised and nominated by Professor Vijay Iyer
- to Jeromel Dela Rosa Lara, class of 2023, a prize of \$5,000 for his project entitled "'Smugglers of Faith': Filipina Migrant Domestic Workers in the Middle East and the Making of a Filipino Church of Care"—supervised and nominated by Professor David L. Carrasco

- to Tadhg Larabee, class of 2023, a prize of \$5,000 for his project entitled "Ireland Inside the 'Civilizing Machine': Technology, Political Economy, and the Rural Landscape, 1801-1845"—supervised and nominated by Professor Maya Jasanoff
- to Alexander Lee, class of 2023, a prize of \$5,000 for his project entitled "'We the Soviet People': Civic Belonging, Sovetskii Narod Discourse, and Soviet Identity under the Conditions of Late Socialism"—supervised and nominated by Professor Terry Martin
- to Paige Lee, class of 2023, a prize of \$5,000 for her project entitled "Scorched Wordscapes: A Multidisciplinary Study of the Transformations in Russophone Poetry Before and After the 2022 Invasion of Ukraine"—supervised and nominated by Professor Martin Wattenberg
- to Roey Lane Leonardi, class of 2023, a prize of \$5,000 for her project entitled "Garden Hymn"—supervised and nominated by Dr. Joshua Bell
- to Sebastian Lindner-Liaw, class of 2023, a prize of \$5,000 for his project entitled "AirBike: Compressed Air Assisted Bicycle"—supervised and nominated by Mr. Ansel Duff and Professor Katia Bertoldi
- to William Lee Lohier, class of 2023, a prize of \$5,000 for his project entitled "Black Star Line"—supervised and nominated by Professor C. Namwali Serpell
- to Sydney Mason, class of 2023, a prize of \$5,000 for her project entitled "Microscale Metasurface Intracavity Holographic Display"—supervised and nominated by Professor Federico Capasso and Dr. Christopher Lombardo
- to Kathryn McClanan, class of 2022, a prize of \$5,000 for her project entitled "Sexy Girls and a Fish Contemplate Impermanence"—supervised and nominated by Mr. Phillip Howze
- to Rio McLellan, class of 2023, a prize of \$5,000 for her project entitled "Targeting proteostasis machinery in the brain vasculature to treat neurodegenerative disease"—supervised and nominated by Professor Lee Rubin
- to Benjamin Meron, class of 2023, a prize of \$5,000 for his project entitled "A Study of Talent Evaluation Using the Major League Baseball Draft"—supervised and nominated by Dr. Judd Cramer
- to Annie Miall, class of 2023, a prize of \$5,000 for her project entitled "A Prison Within a Prison: The Double Punishment of U.S. State and Federal Prisoners Living With HIV/AIDS, 1981-1991"—supervised and nominated by Dr. Erik Baker
- to Waseem Nabulsi, class of 2023, a prize of \$5,000 for his project entitled "Magic Mountain: Samaritan Astrological Intervention in Palestinian Misfortune"—supervised and nominated by Professor Steven Caton
- to Harrison Ngue, class of 2023, a prize of \$5,000 for his project entitled "Investigating Mechanisms of Chemotherapy Resistance in Quiescent (G0) Cancer Cells"—supervised and nominated by Dr. Shobha Vasudevan
- to Elyse Pham, class of 2023, a prize of \$5,000 for her project entitled "Peddling and Performing Racialized Sexuality: An Exploration of Asian Woman Porn Performers' Narratives"—supervised and nominated by Dr. Jung Ja Choi

- to Sajen Plevyak, class of 2023, a prize of \$5,000 for his project entitled "American Dreams and Nightmares: Civic Engagement as a Mechanism for Improving Health Outcomes"—supervised and nominated by Professor Arthur Kleinman
- to Elizabeth Sides Propst, class of 2023, a prize of \$5,000 for her project entitled "As Much Truth as One Can Bear: Theodicy, Witness, and Grace in Blood Meridian"—supervised and nominated by Professor Matthew Potts and Professor Nicholas Watson
- to Oliver Leo Riskin-Kutz, class of 2023, a prize of \$5,000 for his project entitled "The Bear in the Boat: An Environmental History of 18th-Century Louisiana"—supervised and nominated by Professor Jill Lepore and Professor Emma Rothschild
- to Amelia Fae Roth-Dishy, class of 2023, a prize of \$5,000 for her project entitled "'Nuestra Kolonia': Presence, Americanization, and Belonging in Sephardic New York, 1910-1930"—supervised and nominated by Dr. Michael King
- to Leo Saenger, class of 2023, a prize of \$5,000 for his project entitled "Respect Your Elders? The Economic Origins and Political Consequences of Attitudes Towards the Aged"—supervised and nominated by Dr. Nathan Nunn
- to Lev Sandler, class of 2023, a prize of \$5,000 for his project entitled "Interplay of alpha-synuclein and mitochondrial bioenergetics in Parkinson's disease"—supervised and nominated by Professor Vamsi Mootha
- to Uday Rex Schultz, class of 2023, a prize of \$5,000 for his project entitled "Ironbound: Freight Transport, Industrial Change, and the Making of a Logistics Economy in Northern New Jersey"—supervised and nominated by Mr. Jacob Anbinder
- to Maya Skarbinski, class of 2023, a prize of \$5,000 for her project entitled "A JWST Library of Galaxy Spectral Energy Distributions"—supervised and nominated by Professor Daniel Eisenstein
- to Alexander Tam, class of 2023, a prize of \$5,000 for his project entitled "To Be A Citizen: Rights, Obligations, and Belonging at the Social Margins of the Confederacy"—supervised and nominated by Professor Drew Faust
- to Jack Taylor, class of 2023, a prize of \$5,000 for his project entitled "A Tale of Two Portraits: Uncovering the Artifice of the Lavoisier (1744-1805)"—supervised and nominated by Professor Virginie Greene
- to Marie Anna Arnold Ungar, class of 2023, a prize of \$5,000 for her project entitled "Decoy"—supervised and nominated by Dr. Joshua Bell
- to Michael Wallace, class of 2023, a prize of \$5,000 for his project entitled "A National Park Renaissance: 'Mission 66' and the Rise of Modern Environmentalism, 1956-1966"—supervised and nominated by Mr. Camden Elliott
- to Ariel Wang, class of 2023, a prize of \$5,000 for her project entitled "Multi-Needle Simultaneous Sewing Machine for Automated Sewing"—supervised and nominated by Dr. Nathan Melenbrink

- to Jocelyn Wang, class of 2023, a prize of \$5,000 for her project entitled "The role of soil micronutrients in the symbiosis between the African ant plant, *Vachellia drepanolobium* and its resident ant species"—supervised and nominated by Professor Naomi Pierce
- to Polina Whitehouse, class of 2023, a prize of \$5,000 for her project entitled "Making Things Right: Restorative Justice and Relational Democracy"—supervised and nominated by Professor Michael Rosen
- to Cade Williams, class of 2023, a prize of \$5,000 for his project entitled "Nothing Beside Remains: A Case Study of Confederate Monument Removal in New Orleans"—supervised and nominated by Professor Byron Good
- to Justin Yuk Cheong Wong, class of 2023, a prize of \$5,000 for his project entitled "Hypersensitivity: The Impact of Altered Sensory Circuits on Cortical Development and the Implications for Autism Spectrum Disorder"—supervised and nominated by Professor Alison Simmons
- to Lauren Yang, class of 2023, a prize of \$5,000 for her project entitled "The Promise and Hazards of Armed Self-Protection: Analyzing the Racial and Gender Implications of Justifiable Homicide and the Effects of 'Stand Your Ground' Laws"—supervised and nominated by Professor Peter V. Marsden
- to Sydney Young, class of 2023, a prize of \$5,000 for her project entitled "Towards Holistic Birth Care: Possibilities and Challenges for Nurse-Midwifery and Low-Intervention Birth in Boston Hospitals"—supervised and nominated by Dr. Anya Bassett
- to Gianna Zades, class of 2023, a prize of \$5,000 for her project entitled "Find Sound: A game-based intervention to improve children's reading skills"—supervised and nominated by Dr. Elizabeth Spelke
- to Phyllis Zhang, class of 2023, a prize of \$5,000 for her project entitled "VALDO: Using Variational Autoencoders to Improve the Signal-to-Noise Ratio of Drug Fragment Screens"—supervised and nominated by Mr. Minhuan Li
- to Ziyuan Zhao, class of 2023, a prize of \$5,000 for his project entitled "Physically Interpretable Biomolecular Conformation Generation with a Deep Probabilistic Framework"—supervised and nominated by Professor Doeke Hekstra
- to Jason Zhou, class of 2023, a prize of \$5,000 for his project entitled "Data Quality Always Matters: An Analysis of Data Quality for Finite Population Z-estimators"—supervised and nominated by Professor Xiao-Li Meng