



HARVARD COLLEGE

Office of Undergraduate Research and Fellowships

HSURV Summer Research Posters **Map and Directory**

Thursday, August 6, 1:00 PM – 4:15 PM ET

Gutman Conference Center

Today is a great chance to learn more about the exciting faculty-mentored undergraduate research happening across the disciplines – and across Harvard University.

In today's poster session, students from five of the Summer Undergraduate Research Village programs – Laidlaw Scholars, PRISE, SPUDS, SURGH, and SEAS REU -- will share their work.

Posters have been organized spatially by topic, so that you can expect to see projects in related areas proximate to one another. They will be presented in two waves.

Here is our schedule for the afternoon.

Brief Opening Remarks: 1:00 PM

Wave A Poster Presentations: 1:15 PM – 2:30 PM

Poster Switchover and Coffee Break: 2:30 PM – 2:45 PM

Wave B Poster Presentation: 2:45 PM – 4:00 PM

Brief Closing Remarks: 4:00 PM – 4:15 PM

Use the project guide and maps on the next page to identify posters you want to look at, topics you want to explore, and people with whom you'd like to speak. It is organized by last name of presenter. Or let chance and curiosity be your guide and make your way through the spaces as you see fit.

Thank you, Amanda Claybaugh, Dean of the Office of Undergraduate Education.

Thank you, Winthrop House faculty and staff.

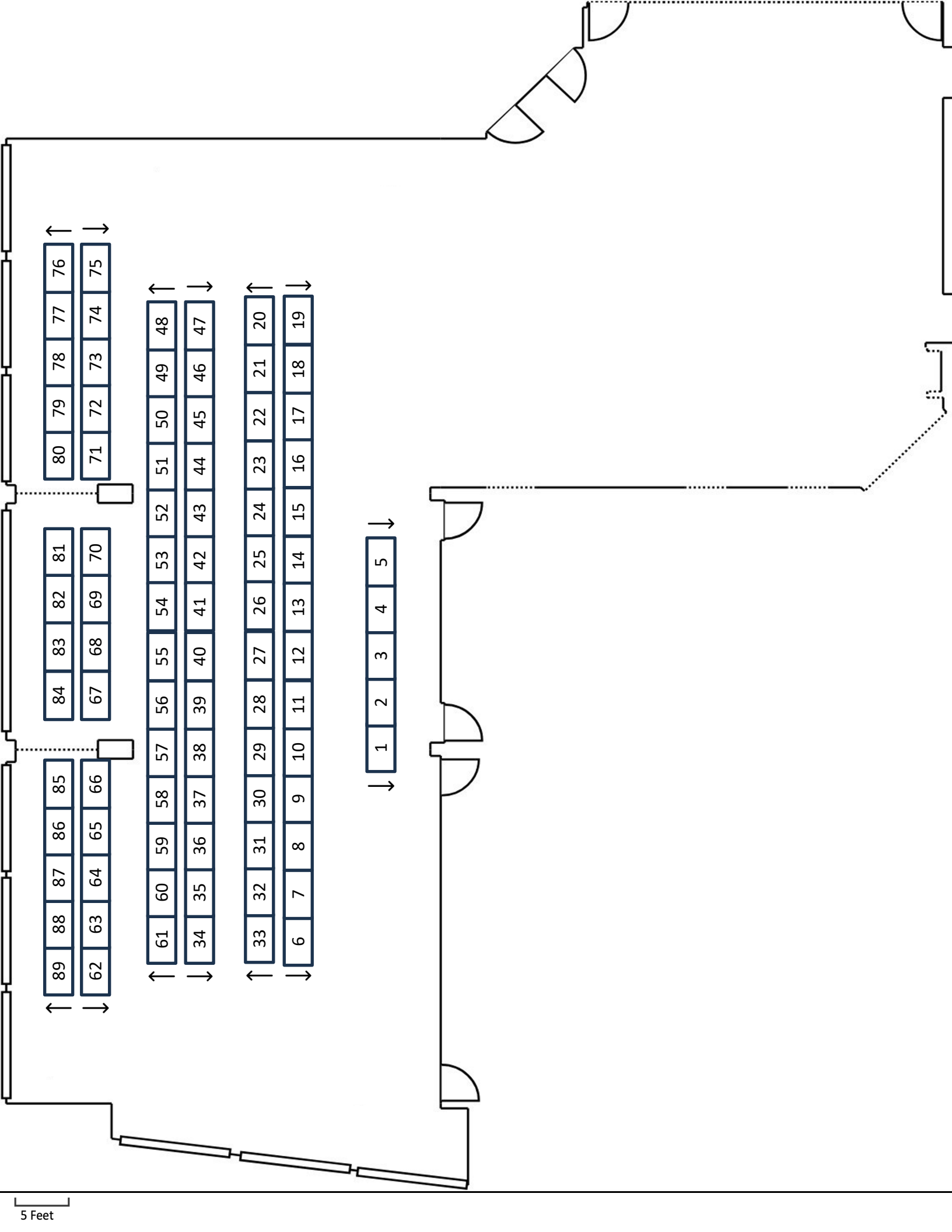
Thank you, presenters.

Thank you, program leads and staff.

Thank you, URAF colleagues.

Thank you, faculty mentors and project advisors.

Thank you, attendees!



5 Feet

Last Name	First Name	Program	Project Title	Primary Mentor	Wave	Easel
Adekoya	Olamide	Laidlaw	CX for Cities	Kimberlyn Leary	B	1
Adi	Mieti	SURGH	Lost in tR(N)Anslation: Navigating Inhibitors of Mycobacterial tRNA Charging and Their Resistance Pathways	Eric Rubin	B	57
Afihene	Triscia	PRISE	Dissecting the Toxic Species of SOD1 in Amyotrophic Lateral Sclerosis	Yuyu Song	A	10
Al-Ississ	Zaid	PRISE	Refactoring and Expanding the penetrance R Package for Literature-Based Prior Elicitation in Carriers of Pathogenic Germline Variants	Giovanni Parmigiani and Danielle Braun	A	61
Albeez	Nurayda	PRISE	Dynamics of Nuclear Speckles	Daniel Needleman	A	29
Ampadu	Britney	PRISE	Neuroimmune Pathways Controlling <i>Borrelia burgdorferi</i> -Induced Chronic Pain	Isaac Chiu	A	20
Anar	Amartuvshin	PRISE	Tentative Project Title: Synthesis and Biological Evaluation of Fluorescent Alecinib Derivatives in ALK-Positive Cancer Models	Liron Bar-Peled	A	21
Begay	Teshi	SEAS REU	Exploring the Antimicrobial Activity of Native Herbal Plant Extracts Against <i>Helicobacter pylori</i>	David Weitz	A	30
Bektaś	Stanislaw	Laidlaw	The Synthesis and Characterization of Novel Photocages for Efficient Photorelease	Richard Liu	A	39
Benz	Sarah	Laidlaw	Detecting Squint Behavior in Mice as a Migraine Pain Proxy	Dan Levy	A	11
Bickel	Alicia	PRISE	Investigating the Role of Vasculature in Determining Eye Size in Zebrafish	Matthew Harris	A	31
Billey	Wayant	SEAS REU	Real-Time Spatial Mapping of Heavy Metal Contamination Using a 3D-Printed Electrochemical Sensing Boat	Khaled Abdelazim	A	49
Bista	Bishwo Jeet	PRISE	Quantifying the Effects of Fuel Treatments on Subsequent Wildfire Severity in the Western and Southeastern United States	Daniel Jacob	A	63
Black-Holmes	Leah	PRISE	Targeting Desmoplasia in Cervical Cancer to Promote Anti-Tumor Immunity	Rakesh Jain	A	22
Bonfanti	Chance	PRISE	A Nuclear-Localized BFP Reporter System for Studying the Amyloid-β/Tau Axis in 3D Human Neural Progenitor Cell Models	Doo Yeon Kim	A	12
Bordeaux	Aaron	SEAS REU	Universally Visible Material	Joanna Aizenberg	A	40
Borja	Nadia	SURGH	Scaling Evidence-Based Psychosocial Interventions for Global Mental Health	Vikram Patel	B	2
Burcsu	Glenn	SEAS REU	Submicron Janus Particle Fabrication Using Microfluidics	David Weitz	A	50
Cabrera Antkowiak	Ana	SURGH	Letters and Lessons: A Qualitative Analysis of Heat Officer Feedback	Gary Adamkiewicz	B	3
Campos	Amanda	PRISE	The Role of CLOCK in Social Communication, Auditory Sensitivity, and Dopaminergic Function in a Bipolar-Relevant Mouse Model	Takao Hensch	A	13

Last Name	First Name	Program	Project Title	Primary Mentor	Wave	Easel
Cao	Jolene	SPUDS	Linear Riesz Learners for Causal Inference	Nima Hejazi	B	80
Carpenter	Evan	PRISE	Analyzing the Neural Substrate for Differences in Sociality Across Sex and Strain in Mice	Catherine Dulac	A	14
Castillo	Lynette	SEAS REU	Imaging of Turquoise of Various Origins	Malcolm Hathaway	A	19
Chavre	Hiral M.	PRISE	Understanding the Role of Sleep in Emotional Memory Consolidation	Elizabeth Phelps	A	15
Chu	Avery	PRISE	Optimizing Electrochemical Oxidation of Carboxylates	Daniel Nocera	A	41
Clayton	Esther	PRISE	Characterization of Anti-Inflammatory Mechanisms of <i>Lactobacillus crispatus</i> -Secreted Indole-3-Lactic Acid on T Cells in the Female Genital Tract	Douglas Kwon	A	23
Con	Evrin Sude	PRISE	Cell-Penetrating Peptide Vesicles for Drug Delivery	David A. Weitz	A	51
Connolly	Sebastian	PRISE	Electronic Structure Across Isostructural Tricobalt Series	Theodore Betley	A	72
Cooper	Tae	SEAS REU	Atmospheric Water Harvesting	Frank Keutsch and Joanna Aizenberg	A	79
Costigliola	Carlo	SEAS REU	Holographic Microscopy of Colloidal Particles as Models for Viral and Bacterial Particle Interactions	Vinothan Manoharan	A	52
Cox	Jennifer	SEAS REU	A Nonlinear Approach to Atmospheric Circulation Regimes and Their Influence on Antarctic Sea Ice Variability	Eli Tziperman	A	80
Cross	Taylor	Laidlaw	Vascular Risk Factors and Brain Perfusion: Comparing the Effects of BMI and Mean Arterial Pressure on Cerebral Blood Flow	Meher Juttukonda	A	16
Cuevas Vega	Diego	PRISE	Optimization of a Robotic End-Effector for Automated Land Restoration	Nathan Melenbrink	A	53
Daba	Yerosen	PRISE	Characterizing the Interaction Between ENL and the C-Terminal Region of CHD1	Lucas Farnung	A	32
Damiani	August	PRISE	Interpreted Simulation and Analysis of Rule-Based Models with PyKappa	Walter Fontana	A	64
Dan	Karen	SEAS REU	Real-Time Spatial Mapping of Heavy Metal Contamination Using a 3D-Printed Electrochemical Sensing Boat	Khaled Abdelazim	A	42
Danik	Kasey	PRISE	Investigating the Causal Role of Chitinase-3-Like Protein 1 (CHI3L1) in Cardiovascular Disease Using Mendelian Randomization	Ling Xiao	A	33
Davis	Nicholas	PRISE	Characterizing Light-Dependent Phase Shifts in the Zombie Fungus <i>Entomophthora muscae</i>	Carolyn Elya	A	34
del Pino Gil-Casares	Alec	PRISE	Analysis of Superluminous Supernova 2025afcr	Edo Berger	A	78
Diroll	Gabrielle	SEAS REU	Investigating the Role of <i>El Niño/La Niña</i> and Rice Cultivation on Methane Emissions in Southeast Asia	Daniel Jacob	A	81

Last Name	First Name	Program	Project Title	Primary Mentor	Wave	Easel
Ellison	Nickolas	PRISE	Frequency Stabilization Cavity Transfer	Norman Yao.	A	73
Eryilmaz	Ipek	SPUDS	Neural Decoding of Transversal Logical Gates on the Surface Code	Susanne Yelin	B	18
Fang	Lucas	PRISE	Regulatory Pathways Linking Intercalated Disc Integrity to Cardiac Arrhythmia	William Pu	A	35
Fleming	Ronni	PRISE	Tracking the Immune Response in Zebrafish	Mark Fishman	A	24
Foufas	Christiana P.	PRISE	Mechanism and TransTAC-Mediated Cell-Specific Delivery of a Bivalent BET/ATR Inhibitor for Metastatic Osteosarcoma	Rani George	A	25
Galindo	Lia	SURGH	International Quality Improvement Collaborative (IQIC): The Importance of Databases	Kathy Jenkins	B	4
Gao	Alex	PRISE	Too Much of a Good Thing: Dynamics of PMN-MDSCs in Colitis-Associated Colorectal Cancer	Ivan Zanoni	A	26
Ghaffar	Hafeezat	PRISE	Neuron-Inflammation: Cytoplasmic dsRNA as a Damage-Associated Molecular Pattern	Mark Albers	A	17
Godwin	Maddox	SPUDS	Pilot-Informed Survey Design Under Budget Constraints	Davide Viviano	B	5
Goveas	Suzanne	PRISE	Sensitive Small-Molecule Dyes for Multicolor Electron Microscopy	Maxim Prigozhin	A	74
Gubars	Frank	PRISE	Formalizing the Kontsevich-Segal Axioms in Lean and Verifying Basic Classes of Quantum Field Theories	Xi Yin	A	65
Guerra	Arnaldo	PRISE	Construction and Calibration of a 3D-AOD-Based Optical Device	John Doyle	A	54
Hall	Olivia	SEAS REU	Biodegradable Soft Actuator for Crawling Locomotion	Robert J. Wood	A	55
Hanna	Marvel	SURGH	Comparative Analysis of Anti-PfCSP Monoclonal Antibodies Using a 3D Matrigel Cytotoxicity Assay	Azza Idris	B	58
Hansen	Megan	SEAS REU	Atlantic Ocean Paleotemperature Reconstruction of the Messinian Salinity Crisis Using Geochemical Biomarker Analysis	Kevin Uno	A	3
Harrington	Annie	PRISE	Characterizing Regeneration-Specific Enhancers in Axolotl Limb Regeneration	Jessica Whited	A	36
Hazard	Eve	PRISE	Selectively Targeting Melanoma Using Bispecific Antibodies Against Integrin $\beta 2$ and the Melanocortin-1 Receptor	Andrew Kruse	A	27
Hu	Kevin	PRISE	Phylogenetic Inference with Stochastic Context-Free Grammars	Heng Li	A	66
Huang	Andy	PRISE	Pheomelanin-Induced Oxidative DNA Damage as a UV-Independent Driver of Melanomagenesis in MC1R-Deficient Melanocytes	David E. Fisher	B	41
Hur	Grace	PRISE	Visual Cue-Based Human Engagement Analysis for Prompting Robot Interaction	Na Li	A	56
Hwang	Sophia	PRISE	Comparative Network Analysis of Intracellular and Extracellular Recordings from the Same Neuronal Population Using a CMOS Microhole Electrode Array	Donhee Ham	A	18

Last Name	First Name	Program	Project Title	Primary Mentor	Wave	Easel
Im	Danielle	PRISE	Investigating the Neurogenic Potential of Putative Rejuvenating Endothelial Cell-Secreted Factors on Adult Neural Stem Cells	Lee Rubin	B	20
Jung	Andy	SEAS REU	Ibero-African Paleoecology and Fire Activity During the Late Miocene Messinian Salinity Crisis	Kevin Uno	A	82
Kalash	Mathia	PRISE	Identifying Conserved Residues Required for Emw1-Mediated EFT2 Folding	Vlad Denic	B	61
Kang	Eddy	PRISE	A Machine Learning-Guided Framework for Combinatorial Antibiotic Screening	Tim van Opijnen	A	67
Khambete	Amav	PRISE	Neural Computations of Parental Care: Deciphering the Internal State Cues and Environmental Cues That Shape Parenting Behavior in Mice	Catherine Dulac	B	21
Kilburn	Daniel	PRISE	How Do the Principles of Evolutionary Developmental Biology Scale Down to Brain Circuits?	Aravinthan Samuel	B	22
Kim	Chase	PRISE	Pyk2-Mediated Synapse Elimination via Liquid-Liquid Phase Separation	Hisashi Umemori	B	23
Kim	Ella	PRISE	Characterizing Mechanical-Immune Crosstalk Driving Tendon Regeneration in Adult Zebrafish	Jenna Galloway	B	42
Kim	Emily	PRISE	Comparing Automated EEG Artifact Removal Pipelines for Reliable Resting-State EEG in Children Across Laboratory and Clinical Settings	Carol Wilkinson	A	68
Kim	Irene	PRISE	Leveraging Somatic Driver Mutations for Single-Cell Phylogenetic Tracing of Clonally Expanded Brain Macrophages in Alzheimer's Disease	Christopher Walsh	B	24
Kim	John	SURGH	Harvard Medical School's Institutional History of Minority Recruitment and Engagement with Black Communities from 1968–1973	Daniel Palazuelos	B	6
King	Sophia	PRISE	Developmental Foundations of Predictive Processing	Jesse Snedeker	B	25
Kleehammer	Jason	PRISE	Identification of a Non-Invasive Biomarker for the Assessment of Disease Severity in Pediatric Moyamoya Patients	Edward R. Smith	A	4
Kuang	Emily	PRISE	A Quantitative Analysis of Cricket Hunting as a Model of One-Shot Learning in Mice	Naoshige Uchida	B	59
Kwack	Joyce	PRISE	Biophysical Characterization of Tau Family Microtubule-Binding Domains in Invertebrates	Timothy Mitchison	B	60
Lam	Katherine	PRISE	Phototunable Modeling of Rheological Extracellular Matrix Heterogeneity	David Mooney	A	69
Largo	Tori-Lynn	SEAS REU	Study of Navajo Medicinal Plant Extracts of Sage and Juniper on <i>H. pylori</i> and <i>E. coli</i> Infections Prevalent in Navajo Nation Farmstocks	David Weitz	A	83
Lavallee	Christopher	PRISE	Discovering the Specific Mechanism Behind DEPP1-Mediated Mitochondrial Autophagy	Gregory Wyant	B	62

Last Name	First Name	Program	Project Title	Primary Mentor	Wave	Easel
Lawrence	Merissa	SURGH	Cost-Effectiveness Modeling of Generative AI Therapy Interventions for Depression: A Markov Analysis Using New RCT Evidence	Anushka Patel	B	15
Le	Michelle Nhung	PRISE	A Mathematical Analysis for Linear and Random-Feature Conditional Diffusion Denoisers	Binxu Wang	B	81
Le	Tri	PRISE	Constructing Odd Cycles for a Class of Fano Problems	Joe Harris	B	63
Lee	Chloe	PRISE	Top-Down Modulation of Vision by Prefrontal Brain Circuits	Michela Fagiolini	B	26
Lee	Christopher	PRISE	Dopaminergic Mechanisms of Social Dysfunction in Transgenic Rat Models of Autism Spectrum Disorders	Bence Ölveczky	B	27
Lee	Maxwell	PRISE	Therapeutically Modulating Cytotoxic CD8+ T Cells in Alzheimer's Disease	Mehdi Jorfi	B	28
Levy	Andrew	Laidlaw	Exploring a Novel Blood-Based Diagnostic Approach for Long COVID Patients	Shannon Stott and Brian Nahed	A	5
Libarnes	Antonino Jose	PRISE	A Temporal Single-Cell Atlas of the Aging Mouse Hypothalamus	Michael Segel	B	29
Lichterfeld	Sophia	PRISE	Cost-Effectiveness of the Judicialization of Health in a Brazilian Context	Stéphane Verguet	A	1
Lin	Vincent	PRISE	Creating an FKBP-FRB Acute Recruitment System for Lipases to Lipid Droplets and the Golgi Apparatus	Jeeyun Chung	B	64
Liu	Alice	SEAS REU	A Floating-Point-Safe Gaussian Sampler for Differential Privacy on GPUs	Salil Vadhan	A	70
Liu	Allison	PRISE	Investigating FAST p13-Mediated Cell-Cell Fusion Through Genome-Wide CRISPR Knockout Screening and APEX2 Proximity Labeling	Ahmad (Mo) Khalil	B	65
Liu	Sophia	PRISE	Automatic Differentiation-Based Inference of Rules for Multicellular Patterning	Allon Klein	B	82
Lopez	Paulina	SEAS REU	Designable Temperature-Responsive Solar Harvesting Across Space, Energy Type, and Storage Release Time	Joanna Aizenberg	A	43
Lu	Audrey	PRISE	Development and Evaluation of Chiseling for Reliable Subgroup Discovery in Randomized Clinical Trials	Lucas Janson	B	83
Luo	Elena	PRISE	Src Kinase-Dependent CALR Expression for Macrophage Engulfment of Leukemic Cells In Vivo	Leonard Zon	B	43
Mack	Annabella	Laidlaw	State-Dependent Processing of Vocalizations in Mouse Auditory Cortex	Anne Takesian	B	30
Mahin	Baharullah	PRISE	Mapping Transcription Factor Regulators of Stability in Human Tregs	George Church	B	44
Malladi	Shreyas	SEAS REU	Return to Earth: A Biodegradable Paradigm for Transient Robotics	Rob Wood	A	57
Mandapaka	Nikhita	PRISE	Characterizing the Myogenic and Lysosomal Phenotype of Skeletal Muscle Stem Cells in Cystinosis	Lee Rubin	B	66

Last Name	First Name	Program	Project Title	Primary Mentor	Wave	Easel
Martin	Gaile D.	SEAS REU	Prism Device	Joann Aizenberg	A	58
Michel	Jia	SURGH	Modeling Analysis for Healthcare Financing: Preventive Treatment of Hypertension and Diabetes in Ethiopia	Mohammad S Jalali	B	7
Miranda	Alina	SEAS REU	Liquid-Lined Windows Autonomously Regulate Indoor Temperature and Lighting Through Selective Absorption	Joanna Aizenberg	A	44
Muir	Céline	Laidlaw	Fandom and Social Connection Initiative: Investigating the Power of Shared Sports Fandom for Social Connection	Todd Rogers	B	8
Nagumalli	Laasya	PRISE	Mixing in High-Dimensional Expanders and Applications to Pseudorandomness	Salil Vadhan	B	84
Nalluri	Maya	PRISE	Biochemical Characterization of PRC2 Mutations	Brian Liau	A	45
Nedelcu	Stephanie	PRISE	A Salp-Mimetic Biohybrid Muscular Pump for Investigating the Design Principles of Biological Pumps	Kit Kevin Parker	A	59
Nguyen	Kerry	PRISE	Adolescent Gaboxadol as a Sleep-Based Intervention for Social Behavior in a Male C57 Mouse Model of Fragmented-Care Early-Life Stress	Takao Hensch	B	31
Nomaguchi -Long	Lucille	PRISE	Characterizing Early, Asymmetric Wound-Induced Gene Expression in the Acoel <i>Hofstenia miamia</i>	Mansi Srivastava	B	67
Nyamhere	Yvette	PRISE	Mapping the Active Galactic Nuclei, Shocks, and Star Formation in Active Galaxies Using a 3D Diagnostic Diagram	Lisa Kewley	A	75
Ong	Owen	PRISE	Computational Methods for Single-Cell Bacterial Transcriptomics	Sahand Hormoz	B	85
Osaghae- Nosa	Joanna	PRISE	Mosaic Loss of the Y Chromosome Reprograms Fibroblasts During Skin Tumorigenesis	Gian Paolo Dotto	B	45
Pacheco Silva	Izabela	PRISE	Rejuvenating Aged T Cells: Genetic Reprogramming to Restore Function	George Church	B	46
Paraison	Chris	PRISE	HBD-Catalyzed Asymmetric Diazenation	Eric Jacobsen	A	46
Park	Sarah	PRISE	Leveraging Multi-Omics to Identify Aging and Rejuvenation Oligodendrocyte Biomarkers	Lee Rubin	A	6
Patel	Milan	PRISE	Wiring an Omnivore: Mapping Neural Development in <i>Pristionchus pacificus</i> Across Age	Aravinthan D. T. Samuel	B	32
Patel	Nishi	PRISE	Virtual Reality and Biofeedback for Adolescents with Chronic Dizziness	Jacob Brodsky	B	33
Plank	Elizabeth	PRISE	Evaluating the Potential of the Small Molecule Forskolin to Maintain Chondrocyte Identity in Patient-Derived Primary Chondrocytes	April Craft	B	68
Pollard	Rebecca	PRISE	Developing Ultra-Small, Lightweight Power and Signal Generation for Bio-Inspired Robots	Robert Wood	A	60
Prakash	Alvena	PRISE	From Meal Detection to Counterfactual Reasoning in Language-Model Glucose Forecasting Agents	Chirag Patel	B	89

Last Name	First Name	Program	Project Title	Primary Mentor	Wave	Easel
Pszeniczny	Natalia	SEAS REU	Zircon-Hosted Mineral Inclusions as a Window into Earth's Infancy	Nadja Drabon	A	84
Putnam-Bagley	Orlando	SEAS REU	Beyond EOF1: Disentangling Trends in the Southern Annular Mode with a Convolutional Autoencoder	Eli Tziperman	A	85
Qin	Ivy	PRISE	A Scalable Human iPSC-Derived Hematopoietic Platform for Mast Cell Generation	Fernando Camargo	B	47
Quintero	Mateo	SPUDS	Analyzing Mid-Decade Congressional Redistricting Ahead of the 2026 Midterm Elections Using Sequential Monte Carlo Simulations	Kosuke Imai	B	19
Rai	Aditi	PRISE	Investigation of Glial Cells in Young Mouse Brains Following Microbiome Depletion	Lee Rubin	B	34
Raj	Adi	PRISE	Counting Real Points on Determinantal Varieties	Anna Seigal	B	69
Ramirez	Daniel	PRISE	Metamaterial Solution for MRI-Compatible Deep Brain Stimulation	Giorgio Bonmassar	B	35
Ramos	Carly	PRISE	Defining the Adhesive Targets of Perineural Invasion in Pancreatic Cancer	William Hwang	B	36
Ravi	Akshaya	PRISE	Multi-Ancestry Genetic Subtyping of Coronary Artery Disease	Pradeep Natarajan	A	7
Reichel	Rian	SEAS REU	Developing Materials to Address Marine Fouling on Underwater Structures	Joanna Aizenberg	A	89
Reidhead	Hunter	SEAS REU	Antibacterial Activity of Native American Tea and Herb Extracts Against <i>Helicobacter pylori</i>	David Weitz	A	37
Ro	McKayla	PRISE	Vitamin D Levels and Lethal Prostate Cancer Risk Among Men with High Genetic Risk	Lorelei Mucci	A	8
Saha	Amit	SEAS REU	Amplification by Iteration for Differentially Private Linear Regression	Salil Vadhan	A	71
Salehi	Christian	PRISE	Learning Adaptive Diffusion Timesteps for Image Editing	Mengyu Wang	B	86
Samuel	Alexander	Laidlaw	Customer Experience (CX) for Cities	Kimberlyn Leary	B	9
Santos	Andrei	SEAS REU	Mediating Bubble Nucleation in Gas-Evolving Reactions	Jarad Mason	A	47
Sanxhaku	Aiden Rubin	PRISE	Stimuli-Responsive Microscale Carriers for Staged mRNA Lipid Nanoparticle Delivery	Robert Langer	A	62
Sawant	Megan	Laidlaw	An Oxidative Stress-Based Flow Cytometry Platform for Early-Stage Drug Screening for SELENON Myopathy	Pamela Barraza-Flores	A	38
Schroeder	Ellis	Laidlaw	Trust in Healthcare and Public Health Among Sexual and Gender Minority Young Adults	Sabra L. Katz-Wise	B	10
Shah	Yash	PRISE	Design of Synthetic Overlapping Genes Using Mutational Fitness and Evolutionary Sequence Data	David R. Liu	B	70
Shi	Cloris	PRISE	ASCEND: A High-Throughput Platform for Mapping the Affinity Landscape of Antibody Evolutionary Trajectories	Michael Desai	B	48

Last Name	First Name	Program	Project Title	Primary Mentor	Wave	Easel
Shi	Ori	SPUDS	Characterizing the Baryon Cycle of Two Strongly Lensed Galaxies at Redshift ~1.68	Kim-Vy Tran	B	88
Song	Caroline	PRISE	<i>Entomophthora muscae</i> Light Sensing for <i>Drosophila</i> Infection	Carolyn Elya	B	71
Souza Rocha	Maria Clara	Laidlaw	Misperceptions of Group Inequality and Support for Redistribution and Sectarian Politics: Experimental Evidence from Lebanon	Augustin Bergeron	B	11
Speke	Tom	PRISE	Physical Regulation of Nuclear Volume and Its Effect on Transcriptional Activity	Timothy Mitchison	B	72
Spiewak	Karolina	PRISE	Direct Synthesis of Formate via the Activation of Bicarbonate with Hydroborane Species in an Aprotic Organic Solvent	Daniel G. Nocera	A	48
Srivastava	Cam	PRISE	Framing the Patient: Race, Sex, and Social Description in a Century of Clinical Case Records	Arjun Manrai	A	2
Tabayoyong	Rhianne Mae	PRISE	Spectroscopic Characterization of C ₂ H ₂ Interstellar Ices and Comparison with Astronomical Observations	Karin Öberg	A	76
Tang	Bill	PRISE	scRNA-seq Analysis of an Accepted Non-Human Primate Heart Graft to Identify Potential Cell Populations for Tolerance	Alessandro Alessandrini	B	73
Tao	Arthur	PRISE	Does When You Sleep Matter for Memory? Understanding Circadian Timing of Sleep Spindles	Michael Prerau	B	37
Tolley	Madeleine	PRISE	Investigation of Pyrite Oxidation Using Triple Oxygen Isotopes	David Johnston	A	86
Tsuruta	Mana	PRISE	Investigating the Mechanisms Linking Skin Barrier Dysfunction to Intestinal Immune Dysfunction	Isaac Chiu	B	49
Ubani	Mirari	Laidlaw	Wastewater Surveillance for Community-Level Monitoring of Sexually Transmitted Infections in Greater Boston	Hannah Greenwald Healy	A	9
Urheim	Cyrus Aziz	PRISE	Acoustic Characterization of Dome-Seeing: Bidirectional Acoustic Travel-Time Pulser for Index Gradients (BATPING)	Christopher Stubbs	A	77
Vadia	Krishaan	Laidlaw	Human Capital as an Institutional Alternative Asset Class: Drawing on the Innovations of Infrastructure Finance	Martin West	B	12
Vega	Analy	PRISE	A Density-Dependent Fusion Deficit in SELENON-Knockout Human Myoblasts	Alan Beggs	B	74
Vo	Sunny	SPUDS	European Overseas Settlements, Climate-Matched Migration, and Long-Run Development	Marco Tabellini	B	13
Walker	Cameron	PRISE	Probabilistic Modeling of Gait for Assistive Robotics	Conor Walsh	B	38
Wang	Ellen	PRISE	A Benchmark and Pipeline for Memory in Mobile Manipulation	Heng Yang	B	39
Wang	Raina	PRISE	Overcoming Defensive Tolerance and the Reprogramming of Immunogenicity to Target Pancreatic Tumors by the Host's Immune System	Alessandro Alessandrini	B	50
Wei	Anthony	PRISE	Enzymatic Degradation of the Tumor Glycocalyx Improves CAR-T Cell Therapy for Glioblastoma	Rakesh Jain	B	51
Weisgerber	Drew	SEAS REU	Was Plate Tectonics Active During the Archean Eon? A Paleomagnetic Approach	Roger Fu	A	87

Last Name	First Name	Program	Project Title	Primary Mentor	Wave	Easel
Wieclawek	Blythe	PRISE	Characterizing Neuromuscular Junction Regenerative Properties in Gene Therapy-Treated Spinal Muscular Atrophy After Muscle Injury	Lee Rubin	B	75
Wilentz	Daniel	PRISE	Impact of LINE-1 on DNA Replication Fork Dynamics in Cancerous, Precancerous, and Noncancerous Cells	Kathleen Burns	B	52
Willumsen Haug	Fredrik	SPUDS	Encoding Model Analysis of Single-Neuron Function in the 5xFAD Mouse Hippocampus	Jia Liu	B	40
Wu	Julia	PRISE	Revealing Viral B-Cell Epitopes with Evolutionary Sequences	Debora Marks	B	53
Xie	Lena	PRISE	A Taphonomic Study of Exceptional Preservation in the Marjum Formation, Utah	Javier Ortega-Hernandez	A	88
Xu	Joy	SPUDS	Pancreatic Cancer Risk Stratification Among Carriers of Major Susceptibility Genes	Giovanni Parmigiani	B	16
Yalcin	Batu	PRISE	A Multi-Patched Vision Transformer Study of the Antiferromagnetic Heisenberg Model on a Kagome Lattice	Norman Yao	B	87
Yang	Ray	PRISE	Deterministic Optical Pumping into the $X(0\ 3^{*}1\ 0)$ Vibrational State of SrOH Using a Dedicated External-Cavity Diode Laser	John Doyle	B	79
Yoda	Karen	Laidlaw	Case Studies of Continuity-of-Care Initiatives for Women Across the Reproductive Life Course	Margaret McConnell	B	14
Youn	Hanah	PRISE	Characterizing Vascular Glycosylation Along the Progression of Neuroinflammatory Conditions	Sophia Shi	B	76
Yu	Emily	Laidlaw	Effect of Degradation of the SOX9 Protein by the dTAG System on Tumor Growth	Nilay Sethi	A	28
Zaman	Nafisa	SURGH	Evaluating the Prevalence of ESBL-Producing Enteric Bacteria in Preterm Infants in the NICU Over the Course of the First Four Weeks of Life	Jason Harris	B	17
Zhang	Amy	PRISE	Transferrin Receptor 1 (TfR1) Antibody Binder Design for Clinical Relevance via Phage Display and Computational Methods	Xin Zhou	B	54
Zhang	Iphia	PRISE	Redox Regulation of FOSL1 Transcriptional Activity in Glioblastoma	Liron Bar-Peled	B	55
Zhang	Selina	PRISE	Allosteric Modulation of the E3 Ligase Adapter Protein Cereblon for the Treatment of Hematopoietic Malignancies	Christina Woo	B	56
Zhou	Ray	PRISE	Extending Semi-Empirical Extended Tight-Binding Methods to Periodic Systems for an Efficient SCF Guess	Joonho Lee	B	77
Zong	Allie	PRISE	Mining MAM Superantigen Homologs with Protein Language Models to Explore Their Structural Diversity, Binding Modes, and Functions	Feng Zhang	B	78