Summer PURA Cohort 2025					*Hodson Summer PURA
Recipient	Year	School	Proposal Title	Mentor	Division
Elizabeth Abatan	2026	KSAS	Investigating the COX2-PGE2 cascade in low back pain transmission	Xu Cao	SoM
Marika Abe	2027	KSAS	Molecular profiling of retinal regeneration in the Iberian ribbed newt	Jared Tangeman, Seth Blackshaw	SoM
Raghav Agrawal *	2026	KSAS	Measuring the impact of congestion on uptake in public transportation	John Green, Nick Papageorge	KSAS
Madison Angelo	2027	KSAS	Investigating Variances in Interoception in Adolescent Psychopathology	Kimberly Smith, Joseph McGuire	SoM
Jaesung Bae	2027	KSAS	The Role of NOGAR1 (NMDAR- Oxygen & Glucose-Associated Regulator 1) Phosphorylation in Enhancing Neuroprotective Microglial Responses in Ischemic Stroke	Xiaoli Rong, Valina Dawson	SoM
Tarini Basireddy *	2027	WSE	Studying the formation of dual-species Candida auris and Staphylococcus epidermidis biofilms in clinically relevant conditions	Daniel Smith, Arturo Casadevall	BSPH
Henry Becuti Ortiz	2027	KSAS	Defining the Chemical Triggers of E. Intestinalis Polar Tube Germination	Paris Watson, Gira Bhabha	KSAS
Ryan Bohluli	2027	KSAS	Closed-Loop Feedback Control of Blood Pressure Using Focused Ultrasound in Autonomic Dysreflexia	Betty Tyler, Nitish Thakor	SoM
Leia-Rece Boney	2027	KSAS	Bridging the Gap in US Postpartum Healthcare	Lisa Wright	KSAS
Ryan Braga *	2026	KSAS	Development of Novel Sulfilimine Precursors for Potential Biological Applications	John Toscano	KSAS
Nyasia Brown	2027	WSE	Tracing the Origins of Cerebellar Granule Cells: A Transcriptomic Analysis	Jessica Lin, Reza Kalhor	SoM
Alex Campos	2028	KSAS	Clonal Dynamics of the HIV Reservoir – A Barrier to Cure	Annie Antar	SoM
Sofia Carlo *	2026	KSAS	Do dogs seek explanations when objects violate solidity expectations?	Christopher Krupenye, Amalia Bastos	KSAS
Brandon Chang	2027	WSE	Delivery Optimization for CAR-NK Cell Engineering	Hai-Quan Mao, Leo Cheng	WSE, SoM
William Chavez	2026	KSAS	CRISPR-directed cell fate engineering via dCas9 transcription factor displacement	Reza Kalhor, David Johanson	SoM
Jason Chen	2026	KSAS	Exploring Pathogenic Differences Among Bacteroides fragilis Toxin Isoforms	Jessica Queen	SoM
Charlotte Cheung *	2026	KSAS	Purifying the Mouse Neuronal Membrane Proteasome for Proteomic Studies and Preliminary Cryo-Electron Microscopy	Seth Margolis	SoM
Justin Chiuwei *	2027	KSAS	Aortic Tortuosity as a genotype-associated marker of mortality in Loeys-Dietz Syndrome	Bharath Venkatesh, Hanghang Wang	SoM
Kristin Cho	2028	WSE	Investigating a regulator of microRNA function during C. elegans development	John Kim	KSAS
Ted Chor	2026	KSAS	Establishing the axolotl as a model for whole eye transplantation	Jared Tangeman, Seth Blackshaw	SoM
Sewell B. Cooper	2026	KSAS	Pedagogy of Sincerity: Theatre-Based Methods for Addressing Race and Racism in Mental Health	Jasmine Jones	KSAS
Lorenzo Cruz	2026	KSAS	Voices of the Exonerated	Stephanie Saxton	KSAS
Estella Cui *	2028	KSAS	The use of drones and novel tracking methods to study behavioral evolution in water striders (Aquarius remigis) in a freely flowing stream	Andrew Gallup	KSAS

Alp Demirtas *	2026	WSE	Simulating Blood-Brain Barrier Permeability as a Preventative Method for Predicting Neurovascular Dysfunction and Risk Factor Propagation in Alzheimer's Disease	Alex Pessell, Peter Searson	SoM, WSE
Arushi Devgun *	2026	KSAS	Representations of Social and Physical Force in the Brain	Minjae Kim, Shari Liu	KSAS
Aaradhya Diwan	2026	KSAS	Investigating the Role of PGL Proteins in C. Elegans Germ Cells	Geraldine Seydoux, Devavrat Bodas	SoM
Ian Ensley	2027	KSAS	Characterization of Gut Microbiome in Wild D. melanogaster	Will Ludington	KSAS
Tola Fadeyi	2026	KSAS	Navigating Adolescent Mental Health Care	Andrea Young	SoM
Matthew John Farah	2026	WSE	Harnessing Neuron-Specific Mechanisms of Autophagy as a Novel Therapeutic Intervention for Parkinson disease	Jason Chua	SoM
Sofia Farhangnia *	2027	WSE	Engineering Inhibitory Immunocytokines Targeting Regulatory T-Cells to Empower Cancer Immunotherapy	Jamie Spangler	WSE
Jaden Garcia	2026	KSAS	Developing a Novel Mouse Model of Schizophrenia Based on Protein Aggregation	Frederick Nucifora	SoM
Shira Goldhaber-Gordon *	2027	WSE	Can Saliency Models Inspired By Human Vision Improve Image Classifier Efficiency, And What Can This Tell Us About Human Visual Processing	Aaron Sampson, Ernst Niebur	KSAS
Lavanya Gupta *	2026	WSE	Evaluating Dynamics of CO_2 Hydrate Formation for Carbon Sequestration	Zhengyuan Li, Yayuan Liu	WSE
Shreesha Halder	2028	KSAS	Investigating the Role of Sensory Neurons in Sleep Induction using a CFA-Induced Inflammatory Pain Mouse Model	Alban Latremoliere, Chloe Alexandre	SoM
Oscar Hang *	2026	KSAS	Investigating the Role of Hypothalamic Sympathetic Signaling in Articular Cartilage Regeneration and Homeostasis	Collin Wang, Xu Cao	SoM
Tianyi Huang *	2027	KSAS	A New Synthetic Methodology for Biomimetic Heme-Like Compounds	David Goldberg	KSAS
Hua (Harry) Jiang	2027	WSE	CellSymphony: A Comprehensive Sample-Level Single Cell Analysis Tool	Hongkai Ji	BSPH
Neeraj Kadubandi *	2026	KSAS	Development of a Reliable Remote Assessment Tool for Catatonia Diagnosis	James Brasic	SoM
Leah Keefe	2026	KSAS	Examining the Effects of Weight Loss Pharmacotherapies on Taste Reward	Kimberly Smith, Tim Moran	SoM
Joshua Khorsandi *	2026	KSAS	Investigating the Composition and Trafficking of Lipids to the Legionella Containing Vacuole	Tamara O'Connor	SoM
Jiwan Kim	2027	KSAS	Overexpression of ALDH2 and ADH5 to Reduce Aldehyde-Induced DNA Damage in Fanconi Anemia	Moonjung Jung	SoM
Aditya Kondepudi	2026	WSE	Enhancing Noninvasive Cerebral Blood Flow Imaging with Arterial Spin Labeling MRI Using Artificial Neural Networks	Feng Xu	SoM
Belgin Kozanoglu	2027	KSAS	Investigating the Midbrain PLTi as a Priority Map for Selective Spatial Attention	Ninad Kothari, Shreesh Mysore	KSAS
George Kuo	2028	KSAS	From Risk to Remedy: Reprogramming sEVs to Combat Anesthesia-Induced Neurotoxicity and Cognitive Degeneration in Vulnerable Populations	Xiaoning Han, Guanshu Liu	SoM
Kaui Lebarbenchon	2027	WSE	Plasma Biomarkers for Prediction of Chemotherapy-Induced Cardiomyopathy	Kathleen Gabrielson	SoM
Brianna Lee	2026	KSAS	Through the lens of caregivers: How can health-related social needs be optimally addressed in the pediatric emergency department?	Hanae Fujii-Rios, Barry Solomon	SoM

Christopher Lee	2026	KSAS	Effects of Development on Circadian-Dependent Regulations of Parvalbumin-Positive Interneurons in Mouse Primary Visual Cortex	Daniel Severin, Alfredo Kirkwood	KSAS, SoM
Jungwook Lee	2027	KSAS	Examining how the functional domains of CEY-1 regulate the let-7 microRNA pathway in C. elegans.	John Kim, Amelia Alessi	KSAS
Tyler Lee	2026	WSE	Upregulation of fibrillin-2 as a gene editing therapy for Marfan Syndrome	Johannes Dohr, Greg Newby	SoM
Alisa Leong	2026	KSAS	Novel Self-Control Behavioral Task on Human Subjects	Veit Stuphorn	SoM
Katalina Li *	2027	KSAS	Unraveling random patterning in the Drosophila eye	Alison Ordway, Robert Johnston	KSAS
Shelley Li	2027	KSAS	Investigating TDP-43 regulation of ADARB2 in ALS/FTD	Zhe Zhang, Shuying Sun	SoM
Zixin (Celine) Li	2028	KSAS	Using transcranial magnetic stimulation (TMS) to study the causal role of physical reasoning during social prediction	Shari Liu, Ziwen Wang	KSAS
Megan Lincicum	2028	WSE	Investigating the birth timing and maturation of photoreceptors in human retinal organoids	Robert Johnston, Tye Chicha	KSAS
Brian Liu	2027	KSAS	Otolith Function on Gait	Michael Schubert	SoM
Ivan Liu	2027	KSAS	Investments in Education within the Daily Lives of Fujianese Americans	Alessandro Angelini	KSAS
Raymond (Zhaobo) Liu	2027	KSAS	Enhancing Ectopic Fibroblast Survivability for Cell Therapy via siRNA Technology	Sam Lee, Luis Garza	SoM
Tanya Liu	2028	KSAS	Uncovering the Effects of Organic Compounds on Color Vision Using Human Retinal Organoids	Joanna Hagen, Robert Johnston	KSAS
Kevin Lu	2026	WSE	Probing the 12-lead ECG to Evaluate Medication Use and Compliance: A Deep Learning Approach	Robert Stevens	SoM
Alex Ma *	2026	WSE	Combinatorial Properties of Western Rules-Based Musical Systems	Michael Dinitz, Steve Stone	WSE, PI
Vivek Mamillapalli *	2026	KSAS	Elucidating the Divergent Function of the SNAPc in C. elegans piRNA Transcription	Lars Benner, John Kim	KSAS
Kevin Mao	2027	KSAS	Evolving metalloenzymes to perform enantioselective trifluoromethyl-azidation (CF3–N3) on unactivated alkenes	Andrew Putz, Xiongyi Huang	KSAS
Stella Marti *	2026	KSAS	How do Urban Land Use and Tree Traits Influence Stomatal Regulation and Tree Growth in Baltimore?	Meghan Avolio	KSAS
Anant Mashalkar	2027	KSAS	Impact of Mitochondrial DNA Copy Number on Emphysema Severity and Alveolar Epithelium Integrity	Bonnie Yeung-Luk	SoM
Alisha Mason	2026	KSAS	Investigating the Mucosal Immune Response of Neonatal Mouse Pups Following In-Utero Nicotine Vaping and Necrotizing Enterocolitis	Sierra Williams-McLeod, David Hackam	SoM
Allyssa Maynard *	2027	KSAS	Stress, Adverse Childhood Experiences (ACEs), Cravings, and Inflammation	Liisa Hantsoo	SoM
Noah Medina *	2026	WSE	Flow Field Driven Nonequilibrium Self-Assembly of Anisotropic Colloids	Thi Vo	WSE
Josué Mendoza *	2026	KSAS	Environment Dependent Modifications to Care-seeking Behavior in Mouse Pups	Tomomi Karigo, Kazuhiro Kon	KKI, SoM
Melina Mohammadi	2026	WSE	Deciphering the Role of S. pyogenes RecJ in CRISPR Immunity and DNA Repair	Rhett Snyder, Joshua Modell	BSPH, SoM
Sami Muhammad *	2026	KSAS	Applying Raman Spectroscopy under Hydrostatic Pressure to Probe Novel Quantum States in Pyrochlore Iridates Nd2Ir2O7 and Ho2Ir2O7	Natalia Drichko	KSAS
Diana Murtaugh *	2027	KSAS	Nature and Timing of Felsic v. Mafic Magmatism in the Northern Appalachians	Daniel Viette, Supratik Roy	KSAS

Sareena Naganand *	2028	WSE	Flavonoid Lipid Nanoparticles for Improved Transfection of Pancreatic Beta Cells Toward Targeted Treatment of Type 1 Diabetes	Jinghan Lin, Leo Cheng	WSE, SoM
Isabelle Nobili *	2026	KSAS	Soil invertebrates: Bioindicators of long-term change along an urban-rural gradient	Katalin Szlavecz	KSAS
Irene Park *	2028	KSAS	Mental Time Travel: Investigating Time Perception in Big Brown Bats	Cynthia Moss	KSAS
Spoorthi Perikala	2008	KSAS	Investigating the role of the rqc2 gene in ribosome rescue machinery in Archaea	Jocelyne DiRuggiero, Frank Liu	KSAS
Kaitlyn Pineros	2027	WSE	Comparing the Foreign Body Response Between Cisgender and Transgender Biology	Vance Soares, Joshua Doloff	SoM
Anush Raghav Polamraju	2027	KSAS	A two-pronged attack against malignant rhabdoid tumors using a combination of corin and decitabine to re-activate differentiation and tumor suppressor programs	Anupa Geethadevi, Eric Raabe	SoM
Jiaxuan (Leo) Qi	2027	WSE	Streamlining Skin Research: An Efficient and Accurate Tool for Segmenting Epithelial Thickness in OCT Data 'The Future Best Friend of Dermatologists' *(group)*	Sam Lee, Luis Garza	SoM
John Qian *	2026	WSE	Investigation of the Fate and Transport of Biosolids-Associated SSRIs in Soil and Groundwater	Noor Hamdan, Carsten Prasse	BSPH
Sampath Rapuri *	2026	WSE	Clinical Validation of a Wearable Sensor for Continuous Blood Pressure Monitoring	Robert Stevens, Carl Harris	SoM
Jooyoung Ryu *	2026	WSE	AI-driven Echocardiographic Labeling for Identification of Stress Cardiomyopathy	Robert Stevens, Carl Harris	SoM
Aleks Santari	2027	WSE	Computer Vision Precision Robotics for Safer Eye Surgery	Adnan Munawar	WSE
Giuliana Sardi Rogines *	2026	WSE	Investigating the Role of NLRX1 in Oligodendrocyte Death and Myelin Loss in the Cuprizone Model of Demyelination	Marjan Gharagozloo, Peter Calabresi	SoM
Marlene Schaff *	2026	KSAS	Phoneme - Genre Associations in Poetry	Craig Messner	KSAS
Bomin Seo *	2026	KSAS	Compensatory Plasticity in the Higher Order Visual Thalamus of Deaf Adult Mice	Katie Pham, Hey-Kyoung Lee	SoM
Arushi Sharma	2027	KSAS	Effectiveness of SMS Interventions for Managing Hypertension, Diabetes, and Smoking in LMICs	Dinesh Neupane	BSPH
Leqi Shen *	2028	KSAS	Understanding the Biological Consequences of Dense Breast Tissue to Prevent Cancer	Daniele Gilkes, Yi Shi	SoM
Jason Shumsky	2026	KSAS	Healthcare workers' perceptions of migrants and their impact on the healthcare system	Ilil Benjamin	KSAS
Arihant Singh *	2027	WSE	Investigating the Role of NLRX1 in Mitigating Neurodegeneration via Regulation of Inflammatory Astrocytes in Experimental Models of Multiple Sclerosis	Marjan Gharagozloo	SoM
Sakshi Singhal *	2026	WSE	Investigating the role of Hematocrit in Variability of Cerebrovascular Reactivity (CVR) measured by Blood-Oxygen-Level-Dependent (BOLD) functional Magnetic Resonance Imaging (fMRI)	Feng Xu	SoM
Kate Stone	2027	KSAS	Identifying Milbemycin Resistance Genes in Caenorhabditis elegans	Erik Andersen	KSAS
Elia Suárez *	2027	KSAS	A Multilevel Investigation into the Dynamics of Signal Transduction	Jennifer Kavran, John Vose	BSPH
Saanvi Sudhir *	2027	KSAS	The Effectiveness of Dendrimer-Tesagltazar therapy in ameliorating fatty liver and liver inflammation in both male and female ApoE knockout mice.	Lakshmi Santhanam	SoM

Alejandro Téllez Calderón	2027	WSE	mRNA LNP vaccine optimization for tissue specific T cell responses	Christine Wei, Hao-Quan Mao	WSE
Patrick Ting	2027	WSE	Engineering a biomimetic cancer organoid culture system to investigate invasiveness and morphodynamics using a machine learning approach	Eun Hyun Ahn, Satvik Kethireddy	WSE
Shreya Tiwari	2026	WSE	Investigating whether overexpression of miR-22, miR-26a-1, miR-29a, miR-29c, and miR-378c promotes cell cycle exit and metabolic maturation of iPSC-derived cardiomyocytes in vitro	Nadine Zureick, Chulan Kwon	SoM
Clay Tomlinson	2027	KSAS	Exploring the Effect of ICAM-1 Stimulation on CD8+ T Cell Adoptive Cell Therapy	Jonathan Schneck, Benjamin Biggs	SoM
Momoka Utsumi	2028	KSAS	Deep Sequencing the HIV Latent Reservoir	Annie Antar	SoM
Jaswanth Vandrasi *	2026	KSAS	Investigating the Role of Juvenile Hormone Signaling in Spermatogonial Dedifferentiation in the Drosophila Testis	Jasmine Grey, Erika Matunis	SoM
Rohan Venkatdas	2026	KSAS	Multifactorial Determinants of Surgical Outcomes and Survival in Central Nervous System Tumors: A Population-Based Analysis Using SEER	Linda Tang, Raj Mukherjee	SoM
Effram Wei	2027	WSE	Defining the Causal Effects of Glycosylation Gene Modifications on the HEK293 Glycoproteome	Hui Zhang, Michael Betenbaugh	SoM, WSE
Patrick Wu	2027	KSAS	An information-theoretic approach to visual search: A new paradigm for characterizing declines in uncertainty	Jonathan Flombaum, Howard Egeth	KSAS
Tommy Wu	2028	KSAS	Finding the needle in the haystack: single-cell spatial transcriptomic imaging of Rosai-Dorfman disease	Eugene Shenderov	SoM
Tyler Wunder	2027	KSAS	Probability and Structure of Quota Violations in Congressional Apportionment	Joseph Cutrone	KSAS
Jonathan Jinghan Xiao	2028	KSAS	Generalizable Therapeutic Genome Editing for LMNA-related Cardiomyopathy	Gregory Newby, Maria Viskadourou	SoM
Nancy (Shuyi) Yan	2027	WSE	Elucidating YY1's Transcriptional and Chromatin-Modulatory Roles in iPSC-CM Maturation	Chulan Kwon	SoM
Brendon Young *	2027	WSE	Exploring the Role of the Cerebellum in Tongue Movements	Reza Shadmehr	SoM
Alice Yu	2026	WSE	Determining the impact of social determinants of health on outcomes in anti-N-Methyl-D-Aspartate Receptor Encephalitis	Jennifer Yang	USCD
Jiaqi Yu	2027	WSE	A Real-Time Dashboard for Visualization of Neuroimages Live-Streamed from Cloud-Based Miniscopes	Arvind Pathak, Janaka Senarathna	SoM
Ricky (Dianzheng) Yu	2027	WSE	Streamlining Skin Research: An Efficient and Accurate Tool for Segmenting Epithelial Thickness in OCT Data 'The Future Best Friend of Dermatologists' *(group)*	Sam Lee, Luis Garza	SoM
Yuran Ryan Zhang	2026	WSE	Peculiarities with the peculiar velocity field	Marc Kamionkowski	KSAS
Andrew Zhao	2026	WSE	Deciphering the Role of Phase Separation in Extracellular Signal-Regulated Kinase (ERK) Pulsing Dynamics in T Cells	Sergi Regot	SoM
Erin Zhou *	2027	WSE	Development of a Contactless Pressure Transducer for Servo-Controlled Extracorporeal Membrane Oxygenation (ECMO) Flow	Ryan Baumgaertner, Henry Halperin	SoM
Xiao-Meng (Christine) Zhu	2027	WSE	Enhancing Stability and Safety of Collaborative Robots during Bone Drilling Through Advanced Control Strategies	Russell Taylor, Manish Sahu	WSE

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Katherine M. Budinger *	2025	KSAS	Examining the Influence of Dante on the Work of Oscar Wilde	Heidi Herr	MSEL
Maximilian Merendino Carroll*	2025	KSAS	Examining Patterns of Urban Weed Adaptation to Elevated Salt Levels	Meghan Avolio	KSAS
Ira Chaturvedi *	2025	KSAS	H2Care: Assessing a web-based application connecting migrants in Baltimore to culturally competent care (group project)	Nick Cuneo	SoM
Xingyu Chen *	2026	KSAS	Enhancing Behavioral Analysis in Rat Hippocampal Navigation with a Machine Learning-Driven Approach in Virtual Reality Settings	Yotaro Sueoka	SoM
Ryan Chou *	2025	WSE	Automated Intraoperative Skill Assessment for Septoplasty Using Instrument Motion	Swaroop Vedula, Ishii Masaru	WSE, SoM
Shiraj Chowdhury *	2025	KSAS	Investigating the Role of Cellular Senescence in Glaucomatous Scleral Remodeling	Ian Pitha	SoM
Claire Chung	2026	WSE	Effect of Small Molecule Cocktail on the Functional and Genetic Profile of iPSC-derived Blood-Brain Barrier Models	Peter Searson, Lily Liang	WSE, SoM
Marina Curchitser	2026	KSAS	Identifying Roles for Chromatin Regulators in Stochastic Gene Expression During Drosophila Eye Development	Robert Johnston, Alison Ordway	KSAS
Bethel Joy DeGracia	2025	KSAS	Investigating Racial Differences in Dementia Risk by Educational Attainment among Non-Hispanic Black Men and Non-Hispanic White Men	Roland Thorpe	BSPH
Amanda Ferber	2025	KSAS	Contextualizing perceptions of cervical cancer screening among women in rural Mysore, India	Greg Rosen, Kayur Mehta	BSPH
Lucas Galeano Fretes *	2026	WSE	Multiwavelength, motion-stabilized laser speckle SFDI for chromophore quantification during laparoscopy	Anthony Song, Nicholas Durr	SoM, WSE
Hilary Gallito *	2025	KSAS	War, Women, and a Revolution: An Analysis of Classical Themes in Early American Women's Writing	Sarah Pearsall	KSAS
Boaz Goldberg	2026	WSE	Computational Investigation of Supercoiling-Dependent Interactions of Neighboring Genes	Jie Xiao, Sam Meyer	SoM
Allison Gonzalez	2025	KSAS	Characterization of Sensory Gating of Noxious or Innocuous Stimuli During Different Vigilance States Using Simultaneous EEG/EMG Recordings and Optogenetics	Alban Latremoliere, Chloe Alexandre	SoM
Sofia Harrison	2025	KSAS	Revealing Gaps in Pediatric Cystic Fibrosis Bone Disease Screening to Improve Patient Outcomes	Malinda Wu	SoM
Catalina Hernandez Valencia	2025	KSAS	Localization of Sox and Six transcription factor expression patterns in the inner ear during regeneration	Erin Jimenez	KSAS
Melina M. Hidalgo-Ramirez	2025	KSAS	Can adult humans reason bi-directionally about others' emotions and their causes?	Luke Townro, Elizabeth Warren	KSAS
Lillian Kay Hudanich*	2025	KSAS	H2Care: Assessing a web-based application connecting migrants in Baltimore to culturally competent care (group project)	Nick Cuneo	SoM
Gloria Kalnitskaya	2026	WSE	Designing and Validating a Non-Biohazardous Compact Ultrasound-Compatible Prostate Phantom for Training of Transperineal Biopsy Techniques	Lauren Shepard, Ahmed Ghazi	SoM

Susan Kim *	2025	WSE	Optical Mapping Co-culture Cellular Models of TBX18-Induced Spheroids with Non-Transduced Neonatal Rat Ventricular Myocytes (NRVMs)	Hee Cheol Cho	SoM
Brian Lei	2026	KSAS	Sketchfab Library of Augmented-Reality Compatible 3D Resources for Undergraduate Organic Chemistry Education	JD Tovar	KSAS
Sean Li *	2026	WSE	Investigating Kinase Inhibitor Candidates Using Hit Verification and Gene Knockout for Glaucoma Therapies	Pingwu Zhang, Donald Zack	SoM
Yunxuan "Alexis" Li*	2025	KSAS	A JWST Mid-Infrared View on the Debris Disk around Eta Corvi: A New Insight on Time Variability	Christine Chen	KSAS
Sarah Marquez	2026	KSAS	Measuring content delivery of human endogenous retrovirus (HERV) modified extracellular vesicles using a novel, fluorescence resonance energy transfer (FRET)-based assay.	Zach Troyer, Kenneth Witwer	SoM
Faith McCarthy *	2025	KSAS	Organic Carbon Storage Potential of Submerged Aquatic Vegetation Across Salinity Regimes in the Chesapeake Bay	Jerrry Burgess, Brooke Landry	KSAS, MD DNR
Benjamin Miao *	2026	KSAS	Identifying the role of leukemia inhibitory factor as a potential biomarker for chemoresistance in pancreatic ductal adenocarcinoma via single-cell RNA sequencing	Hui Zhang	SoM
Corina Mills	2025	KSAS	How does Racial Residential Segregation Contribute to Differences in Obesity Prevalence Among Black and White Adults in the United States?	Roland Thorpe	BSPH
Jiwoo Noh *	2025	WSE	Predicting Personalized Atrial Electrophysiology Using Deep Learning	Natalia Trayanova, Minglang Yin	WSE
Shreya Palakurthi*	2025	WSE	A Single Cell Exploration of the Pre-Core/Core Region of the Hepatitis B Virus Genome	Chloe Thio	SoM
Dylan Park *	2027	KSAS	Investigating the role of DHX36 G-quadruplex resolvase as a potential effector for HR and PARPi sensitivity in DSB cancer cells	Philipp Oberdoerffer	SoM
Neeti Prasad *	2025	WSE	The effect of drugs GW2580, curcumin, and piperine crystal composition and size on macrophage response	Jamie Hernandez, Josh Doloff	WSE, SoM
Jooyoung Ryu *	2026	WSE	Machine Learning Identification of Stress Cardiomyopathy in Patients Admitted to Intensive Care	Robert Stevens, Kirby Gong	SoM
Emily Stroud *	2025	KSAS	Investigating the role of Fatty Acid Acquisition for Legionella pathogenesis	Tamara O'Connor	SoM
Allison Wanqing Su*	2025	KSAS	Effects of different low-bedding rearing conditions on social development	Maya Opendak	SoM
Atri Surapaneni *	2025	KSAS	Xylazine-focused Wound Care Efforts in East Baltimore: A Needs Assessment	Karin Robin	BSPH
Adam Tobin-Williams	2026	WSE	Characterizing topological defect behavior in 2D colloidal assembly in response to spatially varying curvature	Michael Bevan	WSE
Isabel Meerie Torio	2025	KSAS	The Effect of Roxadustat and Melatonin on Restoration of Aquaporin-4 Polarization in Post-Traumatic Hydrocephalus	Lauren Jantzie	SoM
Lance Xu *	2027	WSE	Decoding Acentrosomal Mitosis: Uncovering Synthetic Lethal Gene Pairs for Therapeutic Strategies in HeLa Cells	Fang-Chi Chang, Peter Yeow	SoM
Angela Yang *	2026	KSAS	Inferring Meiotic and Mitotic Error Rates in Early Human Embryos	Rajiv McCoy, Sara Carioscia	KSAS

Alana Yee *	2026	WSE	Determination of factors correlated with successful PVI catheter ablation using patient-specific electrophysiological simulations from pre- and post-ablation LGE-MRI	Shane Loeffler, Natalia Trayanova	WSE
Jennifer Jing-Wei Zeng*	2025	KSAS	Molecular differences in axo-ciliary synapses across cortical cell types	Solange Brown	SoM
Sarah Zhao *	2026	KSAS	Investigating differential antibiotic susceptibilities of Legionella pneumophila passaged through host cells	Tamara O'Connor	SoM
Iris Zheng	2027	WSE	Structural and biochemical analysis of anti-CRISPR protein AcrIIA26 for CRISPR-Cas9 inhibition	Scott Bailey	BSPH
David Zhou *	2026	KSAS	Simulating murine and human cerebrocortical development through an agent-based computational model	Genevieve Stein-O'Brien	SoM
Yuan “Daisy” Zhou*	2025	KSAS	Meningeal Lymphatic Function on Brain Waste Clearance and HD Pathogenesis	Lida Du, Wenzhen Duan	SoM

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Selin Akbas*	2025	KSAS	Testing the association of SARS-CoV-2 antigen persistence with long COVID using T cell receptor frequencies	Annie Antar	SoM
Chris Anto*	2025	KSAS	Developing methods of Raman scattering thin film measurement and applications to Quantum Spin Liquid candidate TbInO3	Natalia Drichko	KSAS
Stefan Arseneau*	2024	KSAS	Probing The Mass-Radius Relation of White Dwarfs Using Wide Binaries	Nadia Zakamska	KSAS
Xinlei "Lily" Chen*	2024	KSAS	Developing a single-molecule fluorescence resonance energy transfer (smFRET) system to study E.coli PBP1b conformational change	Jie Xiao, Amilcar Perez	SoM
Ryan Chou*	2025	WSE	Standardizing the Incorporation of Operative Difficulty into Surgical Skills Assessment	Swaroop Vedula, Masaru Ishii	WSE, SoM
Lorenzo Cruz	2025	KSAS	Characterization of SiglecF in Alzheimer's Pathology	Tong Li	SoM
Keyi Ding*	2024	WSE	Development of Machine Learning Techniques to Distinguish Giant Stars from Dwarf Stars and Application to the Andromeda Galaxy and the Milky Way	Rosemary Wyse, Carrie Filion	KSAS
Kaiyuan Du*	2026	KSAS	What Counts as a Bird: Evolution of Avian Classification Methodology in Systema Naturæ and Other Works	Arthur Russell, Amy Balanoff	KSAS
Isabella Giudicelli Sims*	2025	KSAS	Generating protein homeostasis reporters to validate novel microRNA pathway interactors in C. elegans	John Kim	KSAS
Jennifer Jiang	2024	KSAS	Synthesis of Oligosilane Polymers for Chemical Recyclability to Monomers	Herbert Wakefield, Bekka Klausen	KSAS
Akul Kesarwani*	2025	KSAS	Defining mechanisms for early-life inflammation in a translational model of maternal high fat diet	Lindsay Macias, Kellie Tamashiro	SoM
Helen "Robbie" Kuang*	2025	KSAS	Effects of cannabidiol (CBD) in male and female rats during protracted opioid withdrawal	Cassie Moore	SoM
Jintong "Alice" Li*	2025	KSAS	Mechanisms of Hearing Loss in Sickle Cell Disease	Amanda Lauer	SoM
Xiomara McDonald	2024	KSAS	Investigating the potential impact of G2019S LRRK2 on ultrafast endocytosis	Shigeki Watanabe, Chelsy Eddings	SoM
Julia Modell*	2024	KSAS	Brooding versus Reflection: Identifying the Subtypes of Co-Rumination and their Differential Associations in College Students	Alison Papadakis	KSAS
Kevin Nguyen*	2025	WSE	Single-molecule dynamics of DSIF-mediated recruitment of early elongation factors in live yeast cells	Anand Ranjan	KSAS
Yi Xin "Bobby" Ni*	2024	WSE	Immune Kinetic and Comparison for a Composite in Tissue Remodeling	Josh Doloff	SoM
Annie Pan*	2026	WSE	A Systematic Review of Interventions to Improve Youth-Police Relations and Racially Inequitable Treatment	Rebecca Fix	BSPH
Ikshu Pandey*	2024	WSE	Investigating Blood-Brain Barrier Dysfunction in Response to Intrinsic Cues of Alzheimer's Disease	Peter Searson, Tracy Chung	WSE, SoM
Virochan Pandit*	2026	WSE	Identifying the fairest voting system using mathematical modelling	Joseph Cutrone	KSAS
Elizabeth Pasetes*	2025	KSAS	Characterizing Hypocortisolism in Long COVID	Annie Antar	SoM
Martina Pozzi*	2024	KSAS	Investigating the Effect of Ribosomal RNA Mutations on Stability and Translation	Zachary Stolp	CIW

Ritvik Pulya*	2025	WSE	Regeneration of retinal neurons from mouse Müller Glia by suppression of Rbpj-mediated Notch signaling	Seth Blackshaw	SoM
Melodie Qian*	2024	KSAS	Do humans have one or two cognitive systems for reasoning about other people's beliefs?	Christopher Krupenye	KSAS
Sampath Rapuri*	2026	WSE	Development and External Validation of a Machine Learning Model for Pulmonary Embolism Prediction in Intensive Care	Robert Stevens, Kirby Gong	SoM
Xinyi "Cindy" Ren*	2024	WSE	Investigating the Role of SCAP Knockdown in Antitumor Immunity	Casie Kubota, Peter Espenshade	SoM
Erick Rocher	2024	WSE	Engineering novel branched polymeric nanoparticles for high-efficiency gene delivery	Jordan Green, Kathryn Luly	SoM
Philip Soderberg*	2024	KSAS	Baltimore Social-Environmental Collaborative, Soil Characterization across Baltimore City	Katalin Szlavecz	KSAS
Hannah Swimm*	2025	KSAS	Regulation of Stress Granules by O-GlcNAcylation in Stressed Cardiomyocytes and Ischemia/Reperfusion-Injured Hearts	Kyriakos Papanicolaou	SoM
Ethan Tan*	2025	KSAS	Chinese Restaurants as Sites of Immigrant Life in 20th Century Baltimore	H. Yumi Kim	KSAS
Zarina Tavares	2024	KSAS	A Study of Microplastic Transport Through Terrestrial Mesocosms	Howard Fairbrother	KSAS
Wu Han "Enoch" Toh*	2026	WSE	Compositional Optimization of MHC-II Antigen-Presenting Lipid Nanoparticles for Targeted Helper T-cell Delivery	Hai-Quan Mao	WSE
Le "Chris" Wang*	2025	WSE	Is The Formation Of Terrestrial Planets The Cause of Solar Atypical Abundance Pattern?	Kevin Schlaufman	KSAS
Xinjie Yu*	2025	WSE	Cell-free biosensor for TNF-α based on the aptamer-regulated transcription for in vitro sensing and transduction	Rebecca Schulman, Heonjoon Lee	WSE, SoM
Hanbei Zhou*	2025	KSAS	Seeing vs remembering: The effect of memory on visual illusions	Chaz Firestone	KSAS
Xingyu "Brian" Zhou*	2025	WSE	Use of Whole-Brain Synaptic-Resolution Light-sheet Fluorescence Microscopy for Analysis of Differential AMPA Receptor Expression in SynGAP Knock-out Mice	Rick Huganir, Clare Choi	SoM

Summer PURA Cohort 2022					*Hodson Summer PURA
Recipient	Year	School	Proposal Title	Mentor	Division
Lucie Afko	2023	KSAS	Redesign of CLASS`s 40 GHz telescope`s optical chain and focal plane	Tobias Marriage, Rahul Datta	KSAS
Michael Ahmadi*	2023	KSAS	Understanding IL-1R's role in host defense against S. aureus bloodstream infections	Yulia Wang, Nathan Archer	SoM
Hananeh "Hanan" Akbari*	2023	KSAS	ANKRD26's Pathway to Polyploidy in Chronic Liver Disease	Valentina Sladky, Andrew Holland	SoM
Chintam "Sai" Chandan Reddy*	2023	KSAS	Understanding the Antidepressant Effects of Ketamine: The Role of the mGluR5-Homer1a-Pin1 Complex	Paul Worley	SoM
Aamilah Chowdhury*	2024	WSE	Novel Composite Matrix for Engineered Heart Tissues	Leslie Tung	SoM
Aalia Crouch	2024	KSAS	Determining the causal role of pLTN in space-specific control of spatial attention	Ninad Kothari, Shreesh Mysore	KSAS
Benjamin "Ben" Eke	2023	KSAS	Use of Human Milk Oligosaccharides to Attenuate Brain Inflammation in Human Cerebral Organoid Model of Necrotizing Enterocolitis	Raheel Ahmad, David Hackam	SoM
Martina Gjyzari*	2023	KSAS	Exploring the relationship between patients' satisfaction of their recovery from their stroke and their long-term recovery	Elisabeth Marsh	SoM
Garrett Goldin	2023	KSAS	Action Generation as an Integral Component of the Intuitive Physics Engine	Jason Fischer	KSAS
Annie Ho*	2023	KSAS	Intersectin-1 and Endophilin A1 Participate in Phase Separation Dynamics for Synaptic Vesicle Replenishment	Tyler Ogunmowo, Shigeki Watanabe	SoM
Swati Kumar*	2024	KSAS	Investigating the Efficacy of NLY01 in Promoting Remyelination in Experimental Models of Multiple Sclerosis	Marjan Gharagozloo, Peter Calabresi	SoM
Kathy Liu*	2024	WSE	Engineering a Regulatory T Cell-Specific Fusion Protein for Targeted Treatment of Duchenne Muscular Dystrophy	Derek Van Dyke, Jamie Spangler	WSE
Yiqi "Andrew" Liu*	2023	KSAS	CMB Diffused-foreground Separation Using the Needlet Internal Linear Combination Method	Tobias Marriage, Ivan Padilla	KSAS
Erica Lopez-Haz	2023	WSE	Machine Learning meets High-Resolution Mass Spectrometry: Identification and Quantification of Anthropogenic Chemicals in Animal Manure	Chris Brueck, Carsten Prasse	WSE
Emely Loscalzo	2023	KSAS	Signal Processing in Big Brown Bats	Cynthia Moss, Angeles Salles	KSAS
Youssef Maroud*	2024	KSAS	Improvements To IVCM Corneal Image Data Analysis	Samuel Yiu, Minjie Chen	SoM
Rachel Miller*	2023	KSAS	All about that basin: Reconstructing sediment sources in a Cambrian basin in southwest Mongolia through a detrital zircon study	Emmy Smith, Mary Lonsdale	KSAS
Syed Xinan "Xinan" Rahman*	2025	WSE	Autonomous UAV Wildfire FETCH (Forecasting Energy Transmission-Catalyzed Harm)	Gregory Falco	WSE
Evelyn Shiang	2023	KSAS	Discerning unintentional pediatric scald burns from child abuse in the US: A systematic review	Wendy Shields	BSPH
Haichun "Helen" Sun*	2024	KSAS	Measuring and Analyzing Eye Movements of the Blind using a Virtual Reality Headset	Gislin Dagnalie	SoM
Junxiang "Jim" Wang*	2023	WSE	Design of a Motion Measurement and Compensation System for PET Imaging Studies	Peter Kazanzides	WSE
Kevin Wang*	2024	KSAS	Assessing Antigenic Distinction of Novel Mosaic VSGs found in Trypanosoma brucei	Monica Mugnier	BSPH

Emma Whitehead	2023	WSE	Immunomodulation of Macrophage Phenotype and Foreign Body Response by Oxygen-Delivering Scaffolds for Bone Regeneration	Srujan Singh, Warren Grayson	WSE, SoM
Jun Bo "Jaxon" Wu*	2023	KSAS, WSE	Assessing the impact of International Classification of Diseases coded social determinants of health on individual health outcomes of Medicaid enrollees	Chintan Pandya	BSPH
Yiyang Xu*	2023	KSAS	Homotopy Type Theory in Philosophical Perspective: Reading Hegel and Wittgenstein Type-theoretically	David Jaz Myers, Emily Riehl	KSAS
Xin "Jason" Zhang*	2023	WSE	Synthesis and Characterization of Mn1-xFexP Single Crystals for Spintronic Applications	Tyrel McQueen, Brandon Bukowski	KSAS, WSE
Yuan "Daisy" Zhou	2025	KSAS	Emotional eating and binge eating patients have an abnormal deep cerebellar activity that ultimately affects the reward and emotion pathway in response to food cues.	Susan Carnell	SoM

Summer PURA Cohort 2021

Recipient	Year	School	Proposal Title	Mentor/s	Division
Gohta Aihara	2023	WSE	"Understanding the Role of TCR Mechanotransduction in the Induction of CD4+ T Cell Cytotoxicity"	Ariel Isser, Jonathan Schneck	SoM
Srihitha Akula	2023	KSAS	"Role of Malvolio in Drosophila Development"	Deborah Andrew	SoM
Melanie Alfonzo Horowitz	2022	KSAS	"Assessing Interaction Stabilities Between EGFR Dimers"	Kalina Hristova	WSE
Sreenivas Eadara	2023	KSAS	"Investigation of the Lin28/Let-7 Pathway in Neuropathic Pain through Inducible Gain-of-Function"	Mollie Meffert	SoM
Kylie Fuller	2023	KSAS	"Isolating the role of the auditory cortex in sensorimotor learning"	Kishore Kuchobhotla	KSAS
Julissa Garcia	2022	KSAS	"Testing Models for Viral Inhibition of SARS-CoV-2 by ZMPSTE24"	Eric Spear, Susan Michaelis	SoM
Dennis Gong	2022	WSE	"Macrophage Gene Delivery Using Targeted Polymeric Nanoparticles"	Savannah Est-Witte, Jordan Green	SoM
Benjamin Huang	2022	WSE	"Smart Ureteral Stent for Monitoring Stent Encrustation and Intrarenal Pressure"	Dan Stoianovici, Jared Winoker	SoM
Harmon Khela	2022	KSAS	"Oct4 and Sox2 drive the immunosuppressive phenotype of glioma stem cells (GSCs)"	John Laterra, Hernando Bertoni-Lopez	SoM
Jabari "Jay" Lawrence	2024	WSE	"The Design and Construction of a Jet Array for Use in a Water Tunnel Examining Fish-Eddy Interactions"	Rui Ni	WSE
Hojun Lee	2022	WSE	"Computational Simulation of Heart Sound Propagation in Subjects with Different Body Habitus and Gender"	Rajat Mittal	WSE
Michael Liew	2023	KSAS	"Bridging transcriptional and morphological cell types to understand the cellular organization of motor corticothalamic neurons"	Alina Spiegel, Solange Brown	SoM
Joanna Maressa	2022	WSE	"3D tissue-engineered model of the blood-brain barrier during metastatic cancer"	Raleigh Linville, Peter Searson	SoM, WSE
Saumya Nimmagadda	2022	KSAS	"Testing immunosuppression as a means of accelerating retinal ganglion cell regeneration in the zebrafish"	Kevin Emmerich, Jeff Mumm	SoM
Emmanuel Osikpa	2022	KSAS	"Impact of Changes to Visual Experience on the Development of Motion Vision Processing in the Behaving Ferret"	Kristina Nielsen	SoM
Zachary Reeves	2022	KSAS	"Investigating the Frequency of Carbon-Enhanced Stars in Globular Clusters Vs. in the Field"	Kevin Schlaufman	KSAS
William Shao	2022	WSE	"'On the fly' AI modeling of crystal growth from the melt"	Aaron Chen, Paulette Clancy	WSE
Mira Stone	2022	KSAS	"Houses with Blue Doors: A Creative Examination of South Asian Diaspora & Othering "	Kate Keleher	KSAS
Sarah Syed	2023	KSAS	"Identifying the Role of Microglia Trogocytosis in Maintaining Excitatory Synapses"	Jacqueline Griswold, Shigeki Watanabe	SoM
Michael Xiang	2022	KSAS	"An Investigation into Alcohol and Epoxide Directed Fluorinations: Utilizing Light and Electricity to Develop Safe, Site-Selective, and Efficient Radical Fluorination Strategies for Bioorganic Molecules "	Thomas Lectka	KSAS
Margaret "Maggie" Yang	2024	KSAS	"Defining the role of C1orf116 as a metastasis suppressor in prostate cancer"	Sarah Amend, Ken Pienta	SoM

Summer PURA Cohort 2020

Recipient	Year	School	Proposal Title	Mentor/s	Division
Ria Arora	2022	KSAS	Investigating Sex Differences in the Schizophrenia Transcriptome across Multiple Brain Regions	Kynon Jade	SoM
Tihitina Aytenfisu	2021	KSAS	Designing MANAbodies to Recognize MHC-I+R140Q-IDH2 Complex in Acute Myeloid Leukemia	Sandra Gabelli	SoM
Devanik Biswas	2022	KSAS	Evaluating the Biomarker Potential of c-Abl Pathway Molecules using Neuronal-Enriched L1CAM-Positive Exosomes	Saurav Brahmachari	SoM
Lauren Brewster	2021	KSAS	Relationship between Cochlear Damage, Stress, and Anxiety Behaviors in Noise-Induced Hearing Loss	Amanda Lauer	SoM
Pedro Castineira	2021	KSAS	Understanding the Mechanism of Receptor Tyrosine Kinase Activation with Crosslinking Mass Spectrometry	Stephen Fried	KSAS
Yeeun "Lina" Choi	2021	KSAS	Nucleolar proteomic profiling of genetically engineered colon organoids	Tatiana Larman	SoM
Matthew Figdore	2021	WSE	Gene Co-expression Network Development using Single-Cell RNA-Sequencing Data	Alexis Battle	WSE
Anthony Garcia	2023	KSAS	Characterization of a Novel SUMO-1 Dependent Cytosolic Protein Quality Control Pathway	Michael Matunis	BSPH
Alice Han	2022	KSAS	The Role of WAKE and Dlg in Circadian Regulation of Sleep	Mark Wu	SoM
Carmen Jung	2021	KSAS	Investigating the cellular regulation of mutant ribosomal protein RPL10	Kamena Kostova	Carnegie
Yun-Huai "Wade" Kuo	2021	WSE	Engineering Bispecific Antibodies to Synergistically Inhibit Tumor Metastasis	Jamie Spangler	WSE
Michael Lan	2021	WSE	Design of a Peripheral Nerve Conduit from Electrospun Polycaprolactone Nanofibers, Hyaluronic Acid, and Chondroitin Sulfate Proteoglycans to Reduce Pain from Symptomatic Neuromas	Hai-Quan Mao	WSE
Adrian Lee	2022	KSAS	Investigating the Contribution of Astrocyte Metabolic Alterations to Cognitive Dysfunction through Electrophysiological and Morphological Analysis	Juhyun Kim	SoM
Michael Leff	2021	KSAS	Aromatics and Incense in Levantine Cultic Ritual	Theodore Lewis	KSAS
Brian Li	2022	KSAS	Recalibration of temporal encoding in the hippocampus.	Manu Madhav	WSE
Renee Nerenberg	2022	WSE	Understanding and treating blood-brain barrier dysfunction during Huntington’s disease	Peter Searson, Raleigh Linville	WSE
Alan Poe	2021	WSE	Mechanisms of Lysyl Oxidase Like 2 (LOXL2) regulation by Factor Xa processing	Lakshmi Santhanam	SoM
Jonas "Wesley" Ravich	2022	KSAS	Enhancing Natural Killer Cell Stimulation and Specificity to Acute Myeloid Leukemia	Challie Bonifant	SoM
Maya Sitaram	2022	WSE	Developing Machine Learning Algorithms for Surgical Skill Prediction to Assess the Benefit of Force-Feedback Systems in Robotic Surgery Training	Jeremy Brown	WSE
Kevin Sompel	2021	WSE	Ionic Remodeling of the Sinoatrial Node Associated with Heart Failure Contributes to Chronotropic Incompetence	Natalia Trayanova, Joseph Yu	WSE
Tidie Song	2021	KSAS	Characterizing the Role of Epigenetically Silenced Genes in Driving Lung Cancer Initiation	Michelle Vaz	SoM

Lakshay Sood	2023	KSAS	Characterization of Type 2 Topoisomerase Inhibitors for Chemotherapeutic and Antifungal Regimens	James Berger, Joyce Lee	SoM
Sarah Syed	2023	KSAS	Identifying the Molecular Mechanisms underlying the Alignment of Neurotransmitter Release Sites and Receptors	Shigeki Watanabe	SoM
Naba Wahid	2022	KSAS	Ethnonationalism and Democratic Integrity: Lessons from India	Steven David	KSAS
Sydnee Wong	2022	KSAS	Increasing Silicon Nanomaterial Stability for Light-Activated Applications.	Rebekka Klausen	KSAS
Michael Xiang	2022	KSAS	Investigation and Innovation of Functionally Directed, Site-Selective and Efficient Radical Fluorination Strategies for Bioorganic Molecules	Thomas Lectka	KSAS
Aditya Yedetore	2022	KSAS	Using Neural Networks To Investigate Language Acquisition	Tal Linzen	KSAS
Joseph Yoniles	2022	KSAS	PAR-induced Neurotoxic Aggregation of ALS-linked FUS Variants	Sua Myong, Kevin Rhine	KSAS
Chinat Yu	2023	WSE	A scientific guide to success at Hopkins	Justin Halberda	KSAS

Summer PURA Cohort 2019

Recipient	Year	School	Proposal Title	Mentor	Division
Milind Agarwal	2020	WSE	Using computational biology to find genetic causes of severe inflammatory bowel disease in children	Janet Markle	BSPH
Tihitina Aytenfisu	2021	KSAS	Compensating for Arrhythmogenic S1904L Mutation in NaV1.5	Sandra Gabelli	SoM
Colin Bowen	2020	WSE	Statistical Characterization of Power Grids Using Electrical Parameters, Network Topology, Spatial Statistics, and Random Graphs	Benjamin Hobbs	WSE
Devina Chatterjee	2021	WSE	CORE320 Validation of Quantification of Perivascular Inflammation using Computed Tomography Angiography Imaging	Armin Zadeh	SoM
Hsuan-Wei "Isaac" Chen	2020	KSAS	Learning Through Imitation: Different Routes to Performance in Autism and Peers	Joshua Ewen	SoM
Janice Choi	2021	KSAS	Studying the co-transcriptional assembly of Cas9 Ribonucleoprotein Complex in real-time	Ikenna Okafor, Taekjip Ha	KSAS, SoM
Jun Choi	2020	KSAS	The Early Long Duration of Midazolam Sedation Causes Behavioral Deficits and Synaptic Morphology Changes in the Mouse Model	Cyrus Mintz	SoM
Tiffany Chu	2020	WSE	Development of a high-throughput cancer cell invasion assay for cancer drug discovery.	Pei-Hsun We	WSE
Monica Daubon	2020	KSAS	Hippocampal Place Cell Activity in Echolocating Bats	KirstenBohn	KSAS
Christopher Domalewski	2020	WSE	Locally Treating Lung Cancer with Supramolecular Drug Amphiphiles via Aerosol	Honggang Cui	WSE
Jianing "Jerry" Fang	2021	KSAS	Understanding the Mechanism of Wetland Degradation on the Eastern Tibetan Plateau and Its Implications for Black-necked Crane (Grus nigricollis) Conservation	Benjamin Zaitchik	KSAS
Emily Franco	2020	KSAS	Dwelling on the Negative with Friends: Psychometric Properties of a New Scale on Co-Rumination Beliefs	Alison Papadakis	KSAS
Justin Greene	2021	KSAS	Characterizing Growth Heterogeneity in Isogenic Yersinia pseudotuberculosis microcolonies	Kim Davis	BSPH
Gabriel Grifno	2020	WSE	3D in vitro model of the perivascular niche during glioblastoma treatment	Peter Searson	WSE
Suyeon Ju	2021	WSE	Investigating the correlation in APD readings and fidelity between electrophysiology (EP) catheters and monphasic action potential (MAP) catheters	Natalia Trayanova	WSE
Joshua Krachman	2021	WSE	Determining Which Ion Channels Mediate Vascular Photorelaxation	Lakshmi Santhanam	SoM
Emma KurtzFreilich	2021	KSAS	The Feasibility of a Common Currency for ECOWAS: an Econometric and Comparative Analysis	Olivier Jeanne	KSAS
Michael Lan	2021	WSE	Design of a Peripheral Nerve Wrap from Electrospun Polycaprolactone Nanofibers and Decellularized Amnion	Hai-Quan Mao	WSE
Sehyun "Vickie" Lee	2020	WSE	Investigation of neurological deterioration of Parkinson's disease in parallel with circadian rhythm disruption	SungUng Kang	SoM
Silu Men	2021	WSE	Using Functional Connectivity to Understand the Relationship between Value-Driven Attention Capture and Electroencephalography Data	Sridevi Sarma	WSE
Sehej-Leen Parmar	2020	KSAS	Studying the Novel Role of Cdx2-mediated Differentiation in Oncogenic Senescence Induction	Hariharan Easwaran	Som

Marcos Perez	2020	WSE	Wind-Tunnel Testing and Analysis of Flow-induced Deformation and Flutter in Trees	Rajat Mittal	WSE
Stone Streeter	2021	KSAS	Prevention of Opiate Mediated Respiratory Suppression (ORS) in Obese Patients	Seva Polotsky	SoM
Akanksha Suresh	2021	KSAS	Investigating neuronal pentraxin 2 in age-related cognitive impairment	Rebecca Haberman	KSAS
Serena Tang	2020	KSAS	Multidimensional Analysis of Human Health and Performance in Long-Duration Spaceflight	Mark Shelhamer	SoM
Michael Trautmann-Rodriguez	2021	WSE	The Role of Extracellular Matrix-induced TFF1 in Breast Cancer.	Daniele Gilkes	SoM
Matthew Wang	2021	WSE	No Motion Index: A Novel Metric as a Predictive Measure of Patient Outcome in Critically Ill Neurological Patients	Pawel Kudela	SoM
Courtney Whilden	2020	KSAS	Dissecting Circuits to Understand the Role of Cortical Layer 6 in Sensory Perception	Solange Brown	SoM
Jixin "Audrey" Zheng	2022	WSE	Investigating the effects on decoding electrocorticographic signals from gravity-dependent torque during sequential reaching in a 3D virtual workspace	Daniel Cadrea	SoM
Angela Zhu	2021	WSE	Engineering Bispecific Antibodies for Cancer Immunotherapy	Jamie Spangler	WSE

Summer PURA Cohort 2018

Recipient	Year	School	Proposal Title	Mentor	Division
Vinay Ayyappan	2020	WSE	Establishing Ubiquitous Mitochondrial Creatine Kinase (CKMT1) as a Proton MRS-Imageable Metabolic Vulnerability in Human Breast Cancer	Kristine Glunde	SoM
Yuxi Chen	2019	KSAS	Contribution of the Primary Somatosensory Cortex to Sensorimotor Adaptation in Mice	Daniel O'Connor	SoM
Michelle Chiu	2019	KSAS	Larval Mosquito Salivary Gland Architecture and Secretion	Michael Wells	SoM
Jianna Cressy	2018	KSAS	Role of medial prefrontal cortex in updating value representations	Jeremiah Cohen	SoM
Samantha Dominguez	2019	KSAS	Auditory discrimination of echolocation and communication signals in bats	Angeles Salles	KSAS
Madison Dutson	2018	KSAS	Addressing Environmental Health Challenges in Baltimore City Public Schools through Student Engagement	Megan Latshaw	BSPH
Alanna Farrell	2020	WSE	Three-dimensional in Vitro Model of Blood-Brain Barrier Drug Delivery for Treatment of Brain Cancer	Peter Searson	WSE
Angel Gabriel	2019	KSAS	The Effects of Racial Discrimination on Hypertension in an Integrated Community in Baltimore City	Roland Thorpe	BSPH
Samantha Goldschmid	2019	KSAS	Mixed Metal Catalysis for Small Molecule Activation	Sara Thoi	KSAS
Michael Leff	2021	KSAS	Engineering single-chain cytokine-antibody fusions for cancer immunotherapy	Jamie Spangler	WSE
Patrick Little	2018	WSE	The Time Course of Physical Intuitions	Chaz Firestone	KSAS
MonYi Lwin	2019	KSAS	Urine ketones as a biomarker for seizure reduction in patients with epilepsy on the modified Atkins Diet	Mackenzie Cervenka	SoM
Bruce Nguyen Tran	2019	KSAS	Active and passive listening channels for auditory scene analysis	Cynthia Moss	KSAS
Melody Nguyen	2020	KSAS	Identifying in vivo protein modifiers of mutant VCP-induced muscle dysfunction via a directed genetic interaction screen.	Anthony Cammarato	SoM
Richard Oh	2019	WSE	Prolonged Effects of Clinical Drug on Epileptic Neuronal Networks	Pawel Kudela	SoM
Michael Ontiveros	2019	KSAS	Examining the potential of social network interventions to improve HIV care and treatment among women who use drugs in Tanzania	Haneefa Saleem	BSPH
Karl Osterbauer	2019	KSAS	Testing a Model of Metal Poor Star Formation in Ultrafaint Dwarfs of the Local Group	Kevin Schlaufman	KSAS
Bradley Parsons	2020	KSAS	Sleep Patterns in Student Athletes	Alan Schwartz	SoM
Luyi Peng	2020	KSAS	Loss of p53 in pathogenesis of relapsed and refractory multiple myeloma	Yu-Tai Chang	SoM
Isaree Pitaktong	2020	WSE	3D Printing Vascularized Cardiac Tissue Constructs	Narutoshi Hibino	SoM
Wenzer Qin	2019	KSAS	Astrometric Effects of Alternative Theories of Gravity	Marc Kamionkowski	KSAS
Madison Reed	2019	KSAS	A Biochemical and Cellular Analysis of HIV recognition by CD4+ T lymphocytes	Scheherazade Sadegh-Nasseri	SoM
Nazrawit Retta	2019	KSAS	Quantitative Analysis of Sensory Cells and Neurons of the Ear in Deaf Bats	Amanda Lauer	SoM
Julia See	2020	KSAS	Astrocyte IL-33 in Sex-dependent Modulation of Microglia Function and Anxiety Related Behavior	Shinichi Kano	SoM

Jayhyun "Jenny" Seo	2019	KSAS	Defining Epigenetic Regulation of B2-Adrenergic Receptor Tachyphylaxis in Asthma	Steven An	BSPH
Christopher Shallal	2021	WSE	Dielectric Elastomer Actuator Implementation into a Prosthetic Adaptive Socket	Nitish Thakor	SoM
Rosa Shi	2019	KSAS	Preclinical neuroprotective efficacy evaluation of DA-9805 for Parkinson’s disease	Ted Dawson	SoM
Tyler Spoleti	2020	WSE	Disrupting the Flight of Mosquito Swarms via Acoustic Waves	Rajat Mittal	WSE
Albert Yang	2019	WSE	Creation of Split GFP-Based Cellular Boolean XOR Logic Gates	Takanari Inoue	SoM
Mingyu Yang	2019	WSE	Developing Cortex-Like Tissue in Vitro	Hai-Quan Mao	WSE
Kevin Zhan	2020	WSE	A genome-wide screen to identify negative regulators of centrosome biogenesis	Andrew Holland	SoM

Summer PURA Cohort 2017**					
Recipient	Year	School	Major/s	Mentor/s	Division
Gabrielle Aversa	2019	KSAS	Chemistry	Sara Thoi, Avery Baumann	KSAS
Anant Bhargava	2018	KSAS	Biophysics	Erin Goley	SoM
Monika Borkovic	2018	KSAS	Writing Seminars	Jennifer Kingsley	KSAS
Ines Botto	2018	KSAS	Sociology	Tim Nelson	KSAS
Alisa Brown	2018	WSE	Biomedical Engineering	Jeff Siewerdsen, Amir Manbachi	SoM
Alyssa Chalmin	2019	KSAS	Molecular & Cellular Biology	Kelly Metcalf-Pate, Alicia Braxton	SoM
Aran "Irene" Chang	2020	KSAS	East Asian Studies	Gerald Brandacher, Angelo Leto Barone	SoM
Alexa Earls	2019	KSAS	Behavioral Biology	Eric Hutchinson	SoM
Nicolas Eng	2018	WSE	Biomedical Engineering	Michael Beer	SoM
Victoria Fang	2018	WSE	Biomedical Engineering; History of Science, Medicine & Technology	Arvind Pathak	SoM
Marissa Ferreyros	2018	KSAS	Cognitive Science; Psychology	James Knierim, Manu Madhav	KSAS, WSE
Anna Garcia	2018	WSE	Chemical & Biomolecular Engineering	Patrick Brown, Cara Rabik	SoM
Amolika Gupta	2018	KSAS	Neuroscience	Keri Martinowich, Kristen Maynard	SoM
Ananya Gupta	2019	WSE	Biomedical Engineering	Sharon Gerecht, Justin Lowenthal	WSE
Max Jarcho	2020	WSE	Computer Science & Engineering	Christopher Celenza	KSAS
Ruchita Kothari	2019	KSAS	Biophysics	Solomon Snyder, Chirag Vasavda	SoM
Abhijay Kumar	2018	KSAS	Molecular & Cellular Biology	Andrew Holland, Michelle Levine	SoM
Joey Li	2017	KSAS	Molecular & Cellular Biology	William Matsui, Ross McMillan	SoM
Xiang Li	2019	WSE	Electrical & Computer Engineering	Jerry Prince, Muhan Shao	WSE
Nikki Lopez Suarez	2019	KSAS	Materials Science & Engineering	Maria Portuondo	KSAS
Lakyn Mayo	2018	WSE	Materials Science & Engineering	Peter Searson, Moriah Katt	WSE
Jeyani Narayan	2019	WSE	Chemical & Biomolecular Engineering	Yun Chen, Nirutoshi Hibino	WSE, SoM
Chidinma Nnadi	2019	KSAS	Biophysics	Sarah Woodson, Subrata Panja	KSAS
Jilliann Pak	2018	KSAS	International Studies & Sociology	Stefanie Deluca, Allison Young	KSAS
Aleksandra Popovic	2019	KSAS	Molecular & Cellular Biology	Elizabeth Jaffee, Nina Chu	SoM
Vignesh Sadras	2018	WSE	Biomedical Engineering	Raimond Winslow	WSE
Piunik Sarkisian	2018	KSAS	Psychology	Evelyn Ender	KSAS
Will Scerbo	2018	WSE	Applied Math & Statistics	Daniel Naiman, Geoffrey Wright	WSE, PI
Mariah Schrum	2018	WSE	Biomedical Engineering	Russell Taylor	WSE
Fion Shiau	2018	KSAS	Neuroscience; Molecular & Cellular Biology	Seth Blackshaw, Brian Clark	SoM
Paige Stanley	2018	WSE	Chemical & Biomolecular Engineering; Applied Math & Statistics	Jeffrey Gray, Jeliazko Jeliazkov	WSE, KSAS
Wen Wen Teh	2018	KSAS	Neuroscience; Economics	Abdulgafoor Bachani	BSPH

Linh Tran	2019	WSE	Biomedical Engineering	Gregg Semenza, Haiquan Lu	SoM
Delaney Ubellacker	2019	KSAS	Cognitive Science	Brenda Rapp, Robert Wiley	KSAS
Fernando Vicente	2018	WSE	Biomedical Engineering	Andrew Feinberg	SoM
Dillan Villavisanis	2018	KSAS	Anthropology	Amanda Lauer	SoM
Max White	2018	KSAS	Biophysics	Jie Xiao, Chris Bohrer	SoM
Kimberly Wong	2019	KSAS	Cognitive Science	Michael McCloskey, Gali Elenblum	KSAS
Wendy Xie	2019	KSAS	Neuroscience	Cynthia Moss, Michaela Warnecke	KSAS, SoM
Cindy Yuan	2019	KSAS	Neuroscience; Cognitive Science	Marshall Hussain Shuler, Tanya Marton	SoM

***** students were not asked to submit proposal during inaugural year of HOUR***

Summer PURA Cohort 2016*					
Recipient	Year	School	Proposal Title	Mentor	Division
Peter Angeli	2017	KSAS	Verifying the Octodon Degus as a Natural Model for Alzheimer's Disease	Michela Gallagher	KSAS
Anne Armstrong	2017	KSAS	The effect of psychosocial stress on reward-seeking behavior in Long Evans rats	Patricia Janak	KSAS
Abhijith Bathini	2018	KSAS	Determining the Mechanism Underlying Lhx8-Dependent Control of Circadian Phase Preference	Seth Blackshaw	SoM
Alfred Chin	2019	KSAS	Role of GSH cycle and homocysteine in cardiovascular disease	Solomon Snyder	SoM
Yu-Chen "Herriet" Hsieh	2018	KSAS	Evaluating cortical astrocyte mGluR5 signaling following demyelination	Dwight Bergles	SoM
Venkatasai Jasty	2017	WSE	Engineering essential amino acid expression system into HEK cells	Michael Betenbaugh	WSE
Felicia Juarez	2017	KSAS	Investigating the role of Lhx2 in the development of the ciliary body	Seth Blackshaw	SoM
James Keiler	2017	KSAS	Alpha-Synuclein Transmission Pathology Mediated by LRRK2	Ted Dawson	SoM
Sanjay Kottapalli	2019	KSAS	Thymulin Gene Therapy for Allergic Asthma Using Biodegradable Nanoparticles	Jung Soo Suk	SoM
Jae Young "Jake" Lee	2018	KSAS	Free Radical Copolymerizations of BN-Styrene and Styrene	Rebekka Klausen	KSAS
Jennifer Lee	2016	KSAS	Evolving Conceptions of Minjok: National Identity in a Globalizing South Korea	Beverly Silver	KSAS
Joey Li	2017	KSAS	IQGAP1 scaffold protein regulation of cancer stem cells in pancreatic ductal adenocarcinoma	William Matsui	SoM
Wilhelm Liano	2017	WSE	Dephosphorylation via Rare Earth Oxide Nanocatalysts	Chao Wang	WSE
Kristen Manto	20147	WSE	Hydrogel Capsule Technology as New Tool for Studying Cell Migration	Konstantinos Konstantopoulos	WSE
Denis McInerney	2018	KSAS	Sensor Curvature Study for the Higgs Boson	Andrei Gritsan	KSAS
Ndeye "Marieme" Ndiaye	2018	KSAS	Autism Social Behavior	Gul Dolen	KSAS
Daphne Schlesinger	2018	WSE	Polymer microneedles for more effective transdermal drug delivery	Jordan Green	SoM
Erica Schwarz	2017	WSE	Using Graph Theory and the Minimum Cut Algorithm to Predict Ablation Targets	Natalia Trayanova	WSE
James Shamul	2017	WSE	Doxorubicin-Loaded Poly(β-amino ester)–Poly(ethylene glycol) Micelles for Cancer Therapy	Jordan Green	SoM
Thaara Shankar	2019	KSAS	Decoding Klimt through Neuroaesthetics	Christopher Lakey	KSAS
Jonathan Snedeker	2018	KSAS	Nuclear Organization and Control of DNA replication in Germline Stem Cells	Xin Chen	KSAS
Daniel Stambler	2019	KSAS	Improving Interest in History in High Schools across the USA	Annalisa Czeczulin	KSAS
Hayley Strasburger	2017	KSAS	Oligodendrocyte Progenitor Cell Transdifferentiation in Multiple Sclerosis	Peter Calabresi	SoM

Man Hon "Ambrose" Tang	2019	PI	The Pulse of Hong Kong	Susan Weiss	PI
Justin Thomas	2018	KSAS	Differentiation of Hematovascular Lineages from Human Pluripotent Stem Cells	Elias Zambidis	SoM
Harsh Wadhwa	2018	KSAS	Effect of ATXN-2 polyglutamine expansion on Nucleocytoplasmic Transport Defects in *C9ORF72* -mediated ALS	Thomas Lloyd	KSAS
Jiaqi "Judy" Wang	2016	WSE	Role of NDRG1 in Vesicular Recycling and Tumor Cellular Autophagy	Suchant Kachhap	SoM
I Chae "Rachel" Ye	2016	WSE	Tuning the effects of DDIT4 to promote cancer cell death under hypoxia	Daniele Gilkes	SoM
Danait Yemane	2017	KSAS	Sawa Military Training and Women's Health in Eritrea	Peter Winch	BSPH
Alessandra Zito	2018	KSAS	The Implantation of MoS3 into Carbon Aerogels: An Investigation of Three Procedures	Sara Thoi	KSAS

redesignated as Summer PURA. Previously identified as Spring PURA back to the establlishment of the program.

Summer PURA Cohort 2015*

Recipient	Year	School	Proposal Title	Mentor	Division
Ellen Bruner	2015	KSAS	Tracing Elite Industry in the Ancient Mediterranean: Cyprus, Ceramics, and Copper	Emily Anderson	KSAS
Ivan Chen	2015	KSAS	Role of HIF-1 dependent Glutathione Biosynthesis in Triple Negative	Gregg Semenza	SoM
Michael Chickering	2016	WSE	Bisphenol A Toxicity Screening in Cerebral Organoids	Hongjun Song	SoM
Vikas Daggubati	2017	KSAS	Uncovering execution points of Polo-like Kinase 4 in centriole duplication	Andrew Holland	SoM
Yunfan Fan	2016	WSE	Methylation Sequencing on the MinION	Winston Timp	WSE
Preston Ge	2017	KSAS	Evaluating c-Abl phosphorylation of Parkin in Parkinson's Disease	Dwight Bergles	SoM
Tyler Jorgenson	2015	WSE	Development of Hierarchical DNA Structures	Rebecca Schulman	WSE
Sang Hyuk Lee	2019	WSE	Effect of cell senescence on the nuclear morphology and transcriptional activity of cancer cells	Denis Wirtz	WSE
Sathvik Namburar	2017	KSAS	The Economic and Environmental Effects Associated with Medical Waste	Alan Robin	SoM
Amelie Nkodo	2017	KSAS	Translating child rights into institutional forms at the Centre de Guidance Familiale et Infantile (CEGID) in Dakar, Senegal	Veena Das	KSAS
Qiuyin Ren	2016	WSE	Creating non-spherical biodegradable nanoparticles for gene delivery.	Jordan Green	SoM
Sounak Roy	2018	KSAS	Investigating the Role of CXC Chemokine Receptors in Prostate Cancer Bone Metastasis	Ken Pienta	SoM
Christine Server	2015	KSAS	Unraveling the Circuitry of Serotonergic Neurons in the Raphe Nuclei	Jeremiah Cohen	SoM
Daniel Shinn	2016	WSE	Enhancing peripheral motor axonal regeneration via nanoparticle-mediated gene delivery to the nerve autograft	Hai Quan Mao	WSE
Emily Su	2016	WSE	Elucidating the Mechanosensitive Role of Primary Cilia in Calcium Signaling	Takanari Inoue	SoM
Daniel Takash	2016	WSE	Optimal Taxation and Enforcement Strategies in Newly Legalized Drug Markets	Sauleh Siddiqui	WSE
Pranay Tyle	2016	WSE	Influence of Oxygen Deprivation On Cancer Metastasis in Three Dimensional Microenvironments	Denis Wirtz	WSE
Camila Villasante	2017	KSAS	The Dynamics of *Escherichia coli* Adenylate Kinase	Vincent Hilser	KSAS
William Wisner-Carlson	2017	KSAS	Refining Serial Murder Classification in Modern America	Kathy Edin	KSAS
Brenda Young	2015	KSAS	Deconstructing the cellular basis of thalamic nuclei specification by in vivo clonal analysis	Guo Li Ming	SoM
Cyrus Zhou	2015	KSAS	Using natural variation to understand stochastic gene expression	Robert Johnston	KSAS

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Summer PURA Cohort 2014*					
Recipient	Year	School	Proposal Title	Mentor	Division
Jordan Baker	2015	WSE	Carotenoid and Lipid Production in Photoautotrophic Microalgae	Michael Betenbaugh	WSE
Brett Brodsky	2016	KSAS	A human stem cell model for studying genetic mutations in an inherited neurodevelopmental disease	Linzhao Cheng	KSAS
Weitong "Jeron" Chen	2015	WSE	Viscoelastic Characterization of Cancer Cells during Mitosis	Denis Wirtz	WSE
Daniel Contaldo	2016	KSAS	Documenting the Libera Program in Italy	Bernadette Wegenstein	KSAS
MacIntosh Cornwell	2015	WSE	Quantitative Analysis of Epigenetic Organization within Nuclei using FISH	Winston Timp	WSE
Abby Dowling	2014	SoN	Caribbean Men's Study	Jacquelyn Campbell	SoN
Stacy Gil	2015	WSE	Developing a web-based educational applet on the cerebral vasculature	Arvind Pathak	WSE
Saksham Gupta	2014	KSAS	An Analysis of E3 Ubiquitin Ligases in C9ORF72-related ALS	Thomas Lloyd	KSAS
Seal-Bin Han	2017	WSE	Development of miniaturized cochlear implant device for use in mice	Amanda Lauer	WSE
Sarah Hewes	2015	WSE	3D printing of functional hydrogel-encapsulated microvessels	Peter Searson	WSE
Yijia "Candace" Hu	2014	KSAS	Haloperoside C and its regulation of SAICAR and cancer cell growth	Young-Sam Lee	KSAS
Peter Kalugin	2015	KSAS	Elucidating the role of intraflagellar transport in primary cilia	Takanari Inoue	KSAS
David Nam-Woo Kim	2016	KSAS	Molecular mechanisms of Huntington's Disease	Solomon Snyder	KSAS
Andrew Landau	2015	PI	Notes, sequences and melodies: The Relationship Between Tempo and Auditory Object Encoding	Charles Limb	PI
Isaiah Levy	2015	WSE	Targeting Tumor Suppressor MicroRNAs in Pediatric Leukemia	Linda Resar	WSE
Carrie Mok	2016	WSE	Developing RNA Aptamers that Target HMGA1	Linda Resar	WSE
Pavlos Pachidis	2015	WSE	Breast cancer cell migration in confinement: The contact-guided dilemma between channels of different widths	Konstantinos Konstantopoulos	WSE
Edward "Ned" Samson	2015	WSE	How do humans synchronize movements with an external rhythm?	Noah Cowan	WSE
Siqi Tan	2018	WSE	Characterization of LOXL2 Protein for Applications in Vascular Stiffness	Lakshmi Santhanam	WSE
Jai Thakor	2017	KSAS	MiniBrain-Modeling Double Cortex Syndrome with iPSCs and Cerebral Organoids	Kimberly Christian	KSAS
Carolyn Xue	2017	KSAS	Effect of Anti-ulcer Agent, Geranylgeranylacetone, on Cardiac Toxicity of Doxorubicon when treating and imaging Acute Myeloid Leukemia Cells	Kathleen Gabrielson	KSAS

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Summer PURA Cohort 2013*					
Recipient	Year	School	Proposal Title	Mentor	Division
Maani Archang	2014	WSE	Hepatic Stellate Cell-Targeted miRNA Nanoparticles to Treat Cirrhosis Using Retrograde Intrabiliary Infusion	Hai-Quan Mao	WSE
Alessandra Bautze	2014	KSAS	WHAT SOPHIE SAW Film Production	Meredith Ward	KSAS
Deirdre Caffrey	2014	KSAS	Using the Six-minute Walk Test as a Screening Tool for Chronic Obstructive Pulmonary Disease (COPD) in a Community Setting (Lima, Peru)	William Checkley	SoM
Caryn Carson	2015	KSAS	Analyzing the Role of SUMO in Protein Misfolding Stress	Michael Matunis	BSPH
Henry Chen	2014	KSAS	The Impact of the United States Farm Bill on International Trade	Renee Marlin Bennett	KSAS
Alexander Crits-Christoph	2016	KSAS	Adaptations of Endolithic Microbial Communities to UV Exposure	Jocelyne DiRuggiero	KSAS
Diego Espinoza	2015	KSAS	miRNA-Target Networks in SIV-infected and INF-Treated Macaque Astrocytes	Kenneth Witwer	SoM
Albert Feeny	2014	WSE	Measuring Intrinsic Repolarization Lability	Larisa Tereshchenko	SoM
Bethany Flaherty	2014	KSAS	The Effects of Spatiotemporal Continuity on Change Blindness	Justin Halberda	KSAS
Sarah Furlong	2014	KSAS	Do Children Have Massive Memory for Visual Images?	Barbara Landau	KSAS
Anna Gilmour	2014	KSAS	A Novel Paradigm for Studying the Neural and Hormonal Mechanisms of Female Appetitive Behavior	Gregory Ball	KSAS
David Glover	2016	WSE	Recovery of Somatosensory Cortex Function through Optogenetics Stimulation of Cortical Neuronal Activity	Galit Pelled	SoM
Andrew Griswold	2015	KSAS	Iron (II) Catalyzed Difluorination of Acid Chlorides	Thomas Lectka	KSAS
Jordan Hoffman	2014	KSAS	Temporally Modeling Changing Stochastic Processes Using Monte Carlo Markov Models	Colin Norman	KSAS
Julia Huerta	2015	SoN	The Effect of Cumulative Abuse on Mental Health Outcomes Among African American and African Caribbean Women	Jackie Campbell	SoN
Joshua Kays	2014	KSAS	Characterizing Tissue Micro-architecture for Applications in Drug Delivery and Tissue Engineering	Justin Hanes	SoM
Jin Wan "Julian" Kim	2015	KSAS	The Effects of Nitrosylation on Thorase Neuron Protection	Valina Dawson	SoM
Malinda McPherson	2014	KSAS	Neural Substrates of Emotion Processing During Musical Improvisation	Charles Limb	SoM
Praneeth Sadda	2014	WSE	A Surgical Navigation System with a Head Mounted Tracking System and Augmented Reality Display	Peter Kazanzides	WSE
Eva Schulteis	2014	KSAS	Sub-Plate Neurons in Mouse Models of Schizophrenia	Solange Brown	SoM
Chanon Tuntivate	2015	WSE	Studying the Effect of Temperature on Blunt End Stacking of DNA Origami Tiles	Rebecca Schulman	WSE

Zixiao "Andrew" Wang	2015	KSAS	Role of CtBP2 in Embryonic Retinal Development	Don Zack	SoM

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Summer PURA Cohort 2012*					
Recipient	Year	School	Proposal Title	Mentor/s	Division
John Belanger	2013	KSAS	SEE: Inside Out Project New Haven	Matthew Porterfield	KSAS
Daniel Borota	2014	KSAS	Caffeine and Long-term Memory Storage: An Investigation of Post-Training Caffeine Administration and its Neuromodulatory Effects on Hippocampal Pattern Separation	Michael Yassa	SoM
Manuel Brockman	2013	KSAS	Spatial Navigation Capacities in Requisite Dual Solution Trials in Humans	Amy Shelton	KSAS
Dillon Brout	2013	KSAS	Investigating Type Ia Supernovae Classification & Redshift Determination Methods, An Effort to Constrain the Equation of State of Dark Energy	Adam Riess	KSAS
Sarah Brown	2013	WSE	Automated Image Analysis Programming	Doug Robinson	SoM
Lawrence Chow	2014	KSAS	Ethanol Exposure and Histone Modifcation in Intronic Regulatory Regions of FKBP5	Richard Lee	SoM
James Chuang	2013	WSE	Constructing a Neochromosome for the Modular Assembly of Exogenous Pathways in S. Cerevisiae	Jef Boeke	SoM
Jena Daya	2014	WSE	Understanding Premature Aging in Hutchinson Gilford Progeria Syndrome	Denis Wirtz	WSE
Naika Gabriel	2013	SoN	An Analysis of Key Features of Violence Against Women in Haiti Before and After the 2010 Earthquake and Perceptions of Violence Against Women in Haiti	Jackie Campbell	SoN
Lucy Gao	2014	WSE	Role of Cofilin in Regulated Brush Border Trafficking of NHE3	Mark Donowitz	SoM
Jeffrey Granat	2013	KSAS	A Systematic Approach to Understanding Nucleosome Stability	Greg Bowman	KSAS
Catherine Guenther	2013	KSAS	Privatizing The Prison System: A Continuation of Racial Discrimination?	Nathan Connolly	KSAS
Jonathan Guo	2013	PI	A Swingin' Affair: A Study of the Music of Dexter Gordon	Gary Thomas	PI
Roger Henry	2013	KSAS	The Sweet Side of Cell Survival: A Model for O-GlcNAc-Mediated Apoptosis Inhibition	Natasha Zachara	SoM
Matthew Hill	2014	KSAS	Molecular Hydrogen Emissions in Luminous Infrared Galaxies	Nadia Zakamska	KSAS
Alice Hung	2013	KSAS	Tissue-specific Activation of Estrogen Signaling in Development	Marnie Halpern	SoM
Joshua Kassner	2014	KSAS	The Effects of Quorum Sensing Inhibitors on the Phagocytosis of Neutrophils	Jocelyne DiRuggiero	KSAS
Hyunju Kim	2013	KSAS	Exploring the Lives of Korean American Storeowners in Baltimore	Joel Gittelsohn	BSPH
Kathryn Ledwell	2013	PI	Musical Development for Children with Cochlear Implants	Charles Limb	SoM
Daniel Lewis	2014	WSE	Sickle Cell Vaso-Occlusion in a Microfluidic Device Containing Three-Dimensional Constructs	Sharon Gerecht	WSE
Diana Liao	2013	KSAS	Characterizing the Effects of Hand Movements on Working Memory	Cherie Marvel	SoM

Mary Elizabeth Maldarelli	2013	KSAS	A Guide to Early Strings and Thai Folk Instruments at the Library of Congress	Susan Weiss	PI
Alexander Mullen	2014	WSE	Engineering Cell-Based Nerve Regeneration: The Effect of Nanofiber Alignment on Nanoparticle-Mediated Transfection in Schwann Cells	Hai Quan Mao	WSE
Akshay Sanghi	2014	WSE	Can Acetic Acid be Used to Improve Therapy for Yeast Infections?	Richard Cone	KSAS
Rose Schneider	2013	KSAS	Attentional Allocation in Multiple Object Tracking: The Case of Hoppy	Jonathan Flombaum	KSAS
Niccolo Seligman	2015	PI	Exploring the Vielle: Lost Repertoire for a Mysterious Instrument	Mark Cudek	PI
Pooja Shah	2013	WSE	Food Insecurity and HIV: Examining the Clinical and Behavioral Implications of Inadequate Food Access in Baltimore	Shruti Mehta	BSPH
Andi Shahu	2013	KSAS	Dissecting the Role of c-Abl in Parkinson's Disease	Ted Dawson	SoM
Jay Shi	2013	KSAS	Neurotrophin-Mediated Regulation of Lin28a: Mechanism of Translational Regulation Underlying Synaptic Plasticity	Mollie Meffert	SoM
Sanjoli Sur	2013	WSE	J-point Elevation Prior to Ventricular Arrhythmia Risk Evaluation	Larisa Tereshchenko	SoM
Jules Szanton	2013	KSAS	The Kill List: A Constitutional Analysis of the Targeted Killing of American Citizens during the Global War on Terror	Joel Grossman	KSAS
Joshua Temple	2015	WSE	Immunosuppressive Properties of Enhanced Bone Marrow Aspirate	Warren Grayson	SoM
Nicholaus "Nick" Trenton	2013	WSE	The Role of Chemotaxis in Three-Dimensional Cancer Cell Migration	Denis Wirtz	WSE
Julia Zhang	2013	KSAS	Uncovering the Molecular Basis of Sleep: Interactions of WIDE AWAKE and RDL in Drosophila melanogaster	Mark Wu	SoM

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Summer PURA Cohort 2011*

Recipient	Year	School	Proposal Title	Mentor/s	Division
Jorge Marchand Benmaman	2013	WSE	The Temporal and Spatial Role of Secretory Molecules that Govern Cancer Cell Motility	Denis Wirtz	WSE
Natalie Bray	2013	KSAS	Effects of Increasing CO2 on Leaf Litter Palatability and Chemistry for Soil Animals	Katalin Szlavecz	KSAS
Sarah Bristol	2012	SoN	Mothers' Documentation of the Persistent Impact of War on their Children and Family in the Democratic Republic of Congo: A Photovoice Project	Nancy Glass	SoN
Melinda Chen	2014	WSE	Dynamic Interplay between Cell Morphology and Biochemical Signaling Pathways	Takanari Inoue	SoM
Woo Jin Choi	2012	WSE	Preparation and Characterization of Mucus-penetrating Drug Nanocrystals	Justin Hanes	SoM
Nolan DiFrancesco	2012	KSAS	“New Media” in the Arab World: A Look into Beirut	Fadel Abdallah	KSAS
Jean Fan	2013	WSE	Improving Computational Models of the Biological Consequences of Mutation through Limiting the Phylogenetic Distances of Srthologous Sequences	Rachel Karchin	WSE
Jonah Furman	2012	KSAS	The Anti-postmodernist Ethics of David Foster Wallace's "The Pale King"	Yi-Ping Ong	KSAS
Hasini Jayatilaka	2013	WSE	The Role of Actin Bundling and Crosslinking Proteins in Cancer Cell Motility in 3D Matrices	Denis Wirtz	WSE
Xiang Li	2012	WSE	Engineering Brain Tumor Cells With Built-in Oxygen Sensors	Arvind Pathak	SoM
Rubi Luna	2012	KSAS	Stress and Coping: Baccalaureate Nursing Students in Clinical Simulations	Darcy Thompson	SoM
Katherine Magruder	2012	PI	The Life and Times of Ferdinand Palmo: Food and Music in Nineteenth Century New York City	Susan Weiss	PI
Simon Pan	2013	KSAS	Unraveling the Apoptotic Signaling Pathways Regulated by Pax6 During Retinal Development	Valeria Canto-Soler	SoM
Anita Ram	2012	KSAS	Evaluating the Nutrition Transition in South India	Larry Cheskin	SoM
Andrew Rosenberg	2012	KSAS	A Constitutional and Political Examination of the Same-sex Marriage Debate	Joel Grossman	KSAS
Malena Silva	2013	KSAS	Spatial Language and the Spatial Deficit in People with Williams Syndrome	Barbara Landau	KSAS
Eva Smith	2014	KSAS	Labor, Struggle, and Change: The Story of Leticia Najarro Romero and Her Role in the Labor Movement of Guatemala	Peter Beilenson	KSAS
Andrew Snavely	2012	KSAS	Odorant Receptor Trafficking in Olfactory Sensory Neurons	Haiqing Zhao	SoM
Alex Treiger	2012	KSAS	Health Care, Civil Rights, and Congress’s Contested Power: The Evolution of the Commerce Clause	Joel Grossman	KSAS

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Summer PURA Cohort 2010*					
Recipient	Year	School	Proposal Title	Mentor/s	Division
Patrick Armstrong	2012	WSE	Hydrogels and Stem Cells: Therapies for Fixing a Broken Heart	Roselle Abraham	SoM
David Bjergaard	2012	KSAS	Searches for New Particles Decaying to Two Energetic Top Quarks at the Compact Muon Solenoid Detector at the LHC	Petar Maksimovic	KSAS
Ashley Chappell	2012	SoN	Abuse During Pregnancy Among African-American & Afro-Caribbean Women	Jackie Campbell	SoN
Thomas Danner	2013	KSAS	Resynchronizing the Failing Heart: The Role of Cardiac Resynchronization Therapy in Modulating the β-adrenergic Response	David Kass	SoM
Alperin Degirmenci	2013	WSE	Tactile and Graphical Displays for Robot-Assisted Minimally Invasive Surgery	Allison Okamura	SoM
John Downey	2012	WSE	Channelrhodopsin-2 Manipulation of Neuroplasticity	Galit Pelled	SoM
Stephen Dunlap	2012	KSAS	Neural Substrates of Musical Scale Perception	Charles Limb	SoM
Karen Hong	2012	KSAS	Lectin Conjugated Nanoparticles for Targeted Multi-Modal Imaging of Tumor Endothelial Cells	Arvind Pathak	SoM
Peter Houlihan	2013	KSAS	Phenotypic Plasticity among Populations of Nymphalid Butterflies in Biogeographically Diverse Tropical Forest Habitats	Greg Ball	KSAS
Ally Huang	2013	WSE	Pancreatic Cancer Stem Cells and the Microenvironment	William Matsui	SoM
Nicole Jiam	2013	KSAS	Changes in Prefrontal Cortical Neuron Number and CRF-Immunoreactive Interneurons in Relationship to Age-Related Cognitive Decline	Michela Gallagher	KSAS
Moon Young "Liza" Lee	2013	WSE	Computational fd Phage Coat Protein Structure Prediction and Design for the Assembly of Hydroxyapatite Nanorods and Bone Tissue Regeneration	Jeff Gray	WSE
Matthew Levine	2013	KSAS	The Capacity and Quality of Spatial Working Memory	Jonathan Flombaum	KSAS
Yagmur Muftuoglu	2012	KSAS	Refined Virtual Docking and Chemical Analyses for the Development of Novel Nonsteroidal Inhibitors of Human Aromatase (CYP19)	Lise Dahuron	WSE
Eul "Elisa" No	2013	WSE	Development of a Cell Based High-Throughput Co-Culture Assay to Identify Compounds that Interfere with Endothelial Cell-Pericyte Association	Hans Hammers	SoM
Deng Pan	2013	WSE	Shape Dependence in Nanoparticle-Mediated Gene Delivery	Hai Quan Mao	WSE
Sevdalina Sabeva	2013	WSE	Experimental Study of Topology Optimization in Civil Engineering Design	James Guest	WSE
Lindsay Scattergood	2012	PI	Cochlear Implant Mediated Music Perception in Children	Charles Limb	SoM
Srona Sengupta	2013	KSAS	The Sweet Nature of DNA Damage Repair	Natasha Zachara	SoM

Dominique Seow	2013	KSAS	Characterizing the Diversity of the Soil Microbial Community of the Atacama Desert	Jocelyne DiRuggiero	KSAS
Justin Silverman	2012	KSAS	Developing Ultrashort Carbon Nanotubes	Nina Markovic	KSAS
Shan Steinert-Threlkeld	2012	KSAS	A New Approach to Biomedical Ontologies	Tilak Ratnanather	WSE
Audrey Swanenberg	2015	KSAS	Linking Indigenous and Environmental Movements: The Case of Peru	Rina Agarwala	KSAS
Annie Tsay	2013	KSAS	Role of Antibody in Control and Clearance of Measles Virus Infection in Primary Respiratory Epithelial Cells	Diane Griffin	BSPH
Andrew Warren	2012	WSE	Development of a Photobiomodulation Treatment System Using a 3D Hydrogel Culture Model	Jennifer Elisseeff	SoM
Annie Wu	2012	KSAS	Innovative DNA Vaccine for Human Papilloma Virus-Associated Head and Neck Cancer	Chien-Fu Hung	SoM
David Yoo	2012	KSAS	Investigating an Interaction between Salmonella-Induced Tubules and MHC Class II Trafficking	Trina Schroer	KSAS

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Summer PURA Cohort 2009*					
Recipient	Year	School	Proposal Title	Mentor/s	Division
Nadir Bhouiyan, Henry Ma, Justin Porter, Tiffany Wei	2012, 2013, 2013, 2013	KSAS, WSE, KSAS, WSE	iGEM 2009: Designing a Heavy Metal Biosensor *(Group Project)*	Marc Ostermeier	WSE
Eric Dang	2011	KSAS	Role of Hypoxia-Inducible Factory 1 in Mediating Regulatory T Cell Functions and Development	Drew Pardoll	SoM
Avik De	2011	WSE	Neuromechanical Control of Cyclic Tasks	Noah Cowan	WSE
Sarah Doyle	2011	KSAS	Liberian Education: The Government's Capacity to Continue Development	Ben Vinson	KSAS
Giselle Elbaz	2011	KSAS	Processes Occurring During Doped States of Electronically Conducting Polymers	JD Tovar	KSAS
Madhavi Gavini, Nicholas Generous	2012	KSAS	Iron Age Idolatry: A New Interpretation of an Iron Age Portrayal of Yahweh and Asherah *(Group Project)*	Theodore Lewis	KSAS
Halshka Graczyk	2011	KSAS	The True Price of Gold: Examining Gender Disparaties to Mercury Exposure in Female Mongolian Miners	Ellen Sibergeld	BSPH
Shrivats Iyer	2012	WSE	Real Time Somatosensory Evoked Potential Analysis	Angelo All	SoM
Hilary Kinka	2011	KSAS	Overdevelopment of the Underdeveloped: Microfinance Effects in Peru	Mark Blyth	KSAS
Christophe Locussol	2011	WSE	Fundamental Study on Swelling of Clays	Annalingam Anandarajah	WSE
Tanya Lukasik	2011	KSAS	Mobile in Mobile, AL: Moving Up the Ladder of Social and Geographic Opportunity	Stefanie DeLuca	KSAS
Daniel Millman	2011	KSAS	One of the Network Level Implications of Changes in Reliability Accompanying Synaptic Maturation: A Computational Investigation	Ernst Niebur	SoM
David Miranda	2011	KSAS	A Novel Technique in Tuberculosis Therapeutics: Inhibiting Chorismate Mutase Sensitizes *Mycobacterium tuberculosis* to β-lactam Antibiotics	William Bishai	SoM
Mohammad Modarres	2012	KSAS	Fashion with a Purpose: How Consumerism, the Material Economy, and Social Entrepreneurs Can Bring Positive Changes to African Communities	Jim Goodyear, Joan Freedman	KSAS
Carolyn Park	2011	WSE	Role of Geometry and Ventricular Conduction Sensitivity to Sodium Current in Reentry Inducibility	Natalia Trayanova	WSE
Kevin Park	2011	KSAS	Technological Innovation and the Status of Modern Civil Legal Aid in the UK	Joel Grossman	KSAS
Judy Qui	2011	WSE	Investigating the Role of Ken in JAK-STAT Stem Cell Regulation	Erika Matunis	SoM
William Raetz	2013	WSE	Simplices and Sphere Packing; Derivation of Lattices via Rotation	Andrew Salch	KSAS
Michael Rogers	2012	KSAS	A Historical Study of Mental Hygiene Research at JHU and its Implications for Community Relations in East Baltimore	Veena Das	KSAS

Stephanie Shiau	2011	KSAS	Development of a Music Training Program for the Deaf Individuals with Cochlear Implants	Charles Limb	SoM
Donghoon Shin	2011	WSE	Investigating the Dynamic Properties of Switchable Surfaces	Joelle Frechette	WSE
Calum Spicer	2013	KSAS	Bulgarian Solitaire Games	Fred Torcaso	KSAS
Allson Suarez	2011	WSE	Using Directed Evolution as a Method for Improving the Expression of the *Flavobacterium johnsoniae* homologue of the Mammalian Na+/I- Symporter (NIS)	Sandra Gabelli, Mario Amzel	SoM
Kaitlin Warnock	2011	KSAS	Controlling the JAR Behavior of Eigenmannia Using a Double Inverted Pendulum	Eric Fortune	KSAS
Annie Wu	2012	KSAS	Innovative Immunotheraphy for the Control of Melanoma	Chien-Fu Hung	SoM
David Yoo	2012	KSAS	Live-cell Imaging of Salmonella-induced Tubules	Trina Schroer	KSAS

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Summer PURA Cohort 2008*					
Recipient	Year	School	Proposal Title	Mentor/s	Division
Ersin Akinci	2009	KSAS	The Torrid Zone in Fifteenth and Sixteenth-Century Western and Islamic Science	Richard Kagan	KSAS
Anum Azam	2010	WSE	The Role of surface Tension Forces in 3D Self-Assembly of Nanoparticles	David Gracias	WSE
Yoonah Chi, Jill Lasak	2009	KSAS	The Relationship between the Korean Board Game "Baduk" and Processing speed, Executive Function and Short-Term Memory in Older Adults *(group project)*	Justin Halberda, George Rebok	KSAS
Deanna Chieco	2009	KSAS	The Role of the Frizzled-3 Receptor in Sympathetic Nervous System Development	Rejji Kuruvilla	SoM
Daniel Colacurcio	2009	KSAS	Boronate Compounds Modulate MAG-Mediated Inhibition of Axon Regeneration	Ronald Schnaar	SoM
Avik De	2010	WSE	Simultaneous Localization and Mapping (SLAM) with Sparse Sensing: A Topological Approach	Noah Cowan	WSE
James DiCarlo, Jaime Liu, Ingrid Spielman,	2010	WSE	Mating Type and Ploidy Detector for S. cerevisiae *(group project)*	Jef Boeke	SoM
Kristin Donato	2010	WSE	Genetically Engineering Fluorescent Brain Tumor Cells	Arvind Pathak	SoM
Precious Fortes	2009	KSAS	Migrating Bodies: How Migration Has Altered Health Care and Education in Poor Rural Provinces of Northern Philippines	Clara Han	KSAS
Jonathan Gilbert	2009	WSE	Reversible Removal of Cells from a Surface Using a Switchable Low Density SAM	Joelle Frechette	WSE
William Hays	2010	PI	The State of Modern Opera: A Technical Examination and Cultural Investigation	Hollis Robbins	PI
Joseph Heng	2011	WSE	Cochlear Implant-Mediated Perception of Musical Timbre	Charles Limb	SoM
Alexander Hoogland	2011	WSE	Exploring the Environmental Chemistry and Fate of a Highly Used Herbicide Safener in Natural and Engineered Systems	Lynn Roberts	WSE
Vasilisa Kizub	2010	KSAS	Advancement of Research on Gene Expression: Defining the Molecular Significance of Chromosomal Remodelers	Greg Bowman	KSAS
Su Liu	2009	KSAS	The Effect of Maternal Antibodies of Mothers of Children with Autism in Mouse Models	Harvey Singer	SoM
Rebecca Orchard	2009	PI	Integrated Music Analysis in fin de siecle Vienna	David Smooke	PI
Oi-ying "Irene" Pang	2009	KSAS	The Effects of Microfinance on Informal Finance among Urban Market Women in Ghana: A Case Study	Joel Andreas	KSAS
Molly Plovanich	2009	KSAS	Enhancing the Stability of the Notch Ankyrini Domain through Consensus-Based Mutagenesis	Doug Barrick	KSAS
Aarthi Rao	2009	KSAS	An Examination of Identity in Young Adult Indian: American Short Fiction	Jean McGarry	KSAS

Sarah Robinson	2009	SoN	Prevalence and Health Effects of Post-Traumatic Stress Disorder in African-American and Afro-Caribbean Women	Jackie Campbell	SoN
Lisa Rosinsky	2010	KSAS	Poetry in Performance: From Auditory Imagination to Spoken Word	Douglas Basford	PI
Shelby Strong	2009	KSAS	The Cleveland Orchestra's Musical Response to World War II Culture: 1940-1942	Richard Giarusso	PI
Wesley Sudduth	2010	KSAS	Kelo, Hathcock, and eminent Domain in America: The Struggle Between Personal Freedom and the Collective Benefit	Joel Grossman	KSAS
Shaw-wei "David" Tsen	2009	KSAS	Inactivation of Viral Pathogens Using Femtosecond Lasers	T-C Wu	SoM
Callie Vincent	2009	SoN	Psychological Workplace Violence and Depression Rates in Nurses	Jackie Campbell	SoN
Jonathan Yen	2010	WSE	Generation of Patient-Specific Human Pluripotent Stem Cells without Integrating Viral Vectors	Linzhao Cheng	SoM

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Summer PURA Cohort 2007*					
Recipient	Year	School	Proposal Title	Mentor/s	Division
Shahed Alam	2009	WSE	3D Visualization of Murine Vascular Architecture	Arvind Pathak	SoM
John Bagert	2008	WSE	The Design of a Low-Density ssDNA Surface with Switchable Conformation	Joelle Frechette	WSE
Bryan Benson	2010	WSE	Fabrication of New Types of Nancubes, Research of Innovative Techniques for this Fabrication	David Gracias	WSE
Ryan Bloom	2010	WSE	Mapping the Mechanical Forces generated by Tumor Cells During Proteolytic and Non-Proteolytic Migration in a 3D Matrix	Denis Wirtz	WSE
Steffi Cerato	2008	KSAS	A Look at Slavery Freedom Suits in the United States South, the Similarities and Departures in the Battle for Freedom Across the Southeastern Courts	Michael Johnson	KSAS
Iris Chan	2008	KSAS	The Urban Geography of Poverty: Resource Allocation and Libraries in Baltimore	Erica Schoenberger	KSAS
Daniel Colacurcio	2009	KSAS	The Mechanisms by which Sialidase Inhibits Ganglioside Binding of Myelin-Associated Glycoprotein	Ronald Schnaar	SoM
Gillian Condell	2008	SoN	Surgery and Sleep in Rats	Gayle Page	SoN
Sarah Elashvili	2008	KSAS	Distinct Functional Mechanisms of NDE1 and NDEL1 through Interaction with DISC1	Akira Sawa	SoM
Shiv Ghandi	2008	KSAS	APOBEC3G Mediated Control of Viral Replication in Elite Suppressors Objective	Robert Siliciano	SoM
Anne Gatchell	2008	WSE	Modeling Switching Behaviors and Monolayer-Modified Surfaces in the Presence of Salts	Joelle Frechette	WSE
Yasmin Husain	2009	WSE	Biotinylation of Acute Hippocampal Slices	Stewart Hendry	SoM
Karin Hwang	2009	WSE	Identification of Specific Protein Involvement in Bacterial Contractility	Denis Wirtz	WSE
Jordan Ireton	2009	KSAS	Uncovering Mechanism of Light Detection by Melanopsin Through Mutational Analysis	Samer Hattar	KSAS
Eric Kim	2009	WSE	Designing Face-Specific Inorganic Surface Binding Peptides	Jeff Gray	WSE
Darya Kizub	2008	KSAS	Assessment of Barriers to Sucessful Implementation of Anti-Retroviral Therapy in Russia	Chris Beyrer	BSPH
Gergory Koenig	2008	PI	A Pedagogical Study of the Chinese Classical Guitar School with Professor Chen Zhi	Julian Gray	PI
Yuen-Ting "Diana" Kwong	2009	KSAS	Developing Methods to Optimally Estimate Glomerular Filtration Rate from Scrum Creatinine and Cystatin C	Josef Coresh	SoM
Se Ryeon Lee	2009	KSAS	Oxidation Reaction of Alkenes Catalyzed by Metallocorrolazine Nanoparticles	David Goldberg	SoM
Worawan Limpitikul	2009	WSE	Differentiation of Mouse Embryonic Stem Cell-Derived Cardiomyocytes Using Electrical Stimulation	Leslie Tung	SoM

Cindy Liu	2008	KSAS	Activity Dependent Integration of Newborn Neurons into the Adult Hippocampus	Hongjun Song	SoM
Kristin Lucas	2008	KSAS	Creating Single Nanowires Through Nanopores	Nina Markovic	KSAS
James Medford	2008	KSAS	The Controlled *in situ* Deformation of Carbon Nanotubes to Create Room Temperature Quantum Dots	Nina Markovic	KSAS
Ada Otter	2008	SoN	Trajectory of Abuse During Pregnancy: Impact on Breastfeeding and Pregnancy Outcomes Among High Risk Women in Portland, Oregon	Jackie Campbell	SoN
Diana Pak	2008	KSAS	Spatial Learning, Sensory Modality, and Autistic Traits	Amy Shelton	KSAS
Laxmi Pellakuru	2008	WSE	Detection of *S* -Nitrosylation in Prostate Cancer *in situ*	Srinivasan Yegnasubramanian	SoM
Jason Shaev	2009	KSAS	A Study of the Effectiveness and Possible Improvement of Each B-Jet Tagging in the CMS Pixel tracker	Petar Maksimovic	KSAS
Arin Tuerk	2008	KSAS	Updating Working Memory Representations in Human Adult and Infants	Lisa Feigenson	KSAS

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Summer PURA Cohort 2006*					
Recipient	Year	School	Proposal Title	Mentor/s	Division
Andrew Arceci	2008	PI	The Viola da Gamba: A New Setting	John Moran	PI
Jason Boock	2007	WSE	Exploring the Structure and Catalytic Mechanism of a Protein Switch Using Quantum Dots	Marc Ostermeier	WSE
Tashalee Brown		KSAS	A Novel Technique of Detecting S-nitrsylation of Proteins in multiple Systems	Dan Berkowitz	SoM
Rebecca Busch	2007	KSAS	Notch3 Signaling in the Development of Ovarian Cancer	Tian-Li Wang	SoM
Clive Chen	2007	WSE	Overcoming Extracellular and Intracellular Barriers in Gene Delivery for Cystic Fibrosis vis PEGylated Polycationic Nanocomplexes of Various Shapes	Justin Hanes	SoM
Jeremy Elser	2008	WSE	Blood Vessel Responsiveness Conequences D to Microgravity Conditioning	Artin Shoukas	SoM
Patrick Gedeon	2007	KSAS	The Role of GDF-11 and Regulating Neurona Development and Differentiation in the mmmalian Olfactory System	Randall Reed	SoM
Emily Gleason	2007	KSAS	Identification and Purification of SUMO Bind Proteins	Mike Matunis	BSPH
James Han	2007	KSAS	Human Neural Stem Migration in an Organotypic Culture Model	Alfredo Quinones-Hinojosa	SoM
Alexander Hui	2007	WSE	Effects of Autologous Mesenchymal Stem Cells on Interposition Bone Block Arthrodesis of the First Metatarsophalangeal Joint	Jennifer Elisseeff	SoM
Patrick Kennedy	2008	KSAS	Between the Essence and the Descent: A Study in First-Person Long Fiction on the Contemporary American Experience og European Cultural Tradition	Jean McGarry	KSAS
Lan Le	2007	WSE	Structural Determinants Underlying Targeting of L-type Ca^{+2} Channels to Dyadic Junctions in the Heart	Henry Colecraft	SoM
Benjamin Lin	2007	WSE	Investigation of the Synergistic Effects of Mechanical and Chemical Cues on the Directed Migration of Fibroblast Using a Micronanofluidic Device	Andre Levchenko	WSE
Chih-Ping Mao	2007	KSAS	A novel RNA interference-based DNA vaccine for the treatment of cervical cancer	T-C Wu	SoM
Rishi Mediratta	2008	KSAS	Clinical Presentations of Diarrheal Disease in Children in Bangladesh and Ethiopia	Bradley Sack	BSPH
Win Pin Ng	2007	WSE	Computational Model of Cell Cycle Regulation by RanGTP Gradient	Pablo Iglesias	WSE
Altair Peterson		KSAS	Women at Work in Charm City	Melanie Shell-Weiss	KSAS
Robert Rasmussen	2008	WSE	Competition as a Motivation Factor in Learning	Nitish Thakor	SoM
Stephen So		WSE	Three-Dimensional Co-Culture Model	Jennifer Elisseeff	SoM

Vani Takiar		KSAS	Tancytes: A Quiescent Neural Stem Cell Population in the Adult Hypothalamus?	Seth Blackshaw	SoM
Jennie Wang			Bovine-Cornea-Derived matrix for Corneal Tissue Engineering	Jennifer Elisseeff	SoM
Ying-Ying Wang	2007	WSE	Transport of Functionalized nanoparticle Carriers in Cervical Vaginal Mucus for Topical treatment of Cervical Cancer	Justin Hanes	SoM
Gary Wong			Effect of Broad Spectrum Cox Inhibitors on cAMP Dependent F508-CFTR Activation	Pamela Zeitlin	SoM
Sarah Yee			HIF-2OL 34\f"WP Greek Courier"\s 12 Expression and Its Effects on Renal Cell Carcinoma	Gregg Semenza	SoM

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Summer PURA Cohort 2005*					
Recipient	Year	School	Proposal Title	Mentor/s	Division
Donna Ackerman	2007	KSAS	Thy Daughter's Nakedness: A Study Of The History Of The Law Of Incest And Its Prevalence In Today's Society	Joel Grossman	KSAS
Andrew Arceci	2007	PI	The Viola da Gamba, Violone, and the Modern Double Bass	Susan Weiss	PI
Anshuman Bansal	2006	KSAS	The 60-Year Johns Hopkins Surgical Experience with the Blalock-Taussig Shunt Operation	William Baumgartner	SoM
Warner Brown	2006	KSAS	Nostalgia for Old Shanghai and the Renewed Popularity of Early Twentieth Century Commercial Art	Tobie Meyer-Fong	KSAS
Tony Chang	2006	WSE	A Novel, in vitro Model of Tocolytic Desensitization	Martin Slodzinski	SoM
Anthony Chyou	2006	KSAS	Role of the Endosomal Na+ (K+)/H+ Exchanger, Nhx1, in K28 Viral Toxin Induced Cell Death	Rajini Rao	SoM
Joshua Cogan	2008	KSAS	The Watermark Soil Moisture Sensor: Is it Suitable for Long Term Soil Monitoring?	Katalin Szlavecz	KSAS
Sarah David	2007	KSAS	Balancing Security and Civil Liberties: The British Experience with the IRA	Joel Grossman	KSAS
Claire Edington	2006	KSAS	Microbicides and HIV Transmission: Using Social Science Methods for a Public Health Project in Mtubatuba, South Africa	James Goodyear	KSAS
Jared Evans	2006	KSAS	Fabrication of 3D Ordered NanoPorous Gold for Chemical Sensors	Gabor Domokos	KSAS
Ondrej Juhasz, Ravi Pathak, Anthony Ngo, William Bishop	2008	WSE	Effect of Microgravity on Semicircular Canal and Vestibular Function *(Group Project)*	Mark Shelhamer	SoM
Niaz Khan	2007	WSE	Study of Apoptosis in Neuronal Networks Locally Transfected by Viral Plasmids	Nitish Thakor	SoM
Angelo Ko	2006	KSAS	The Effect of the 2008 Olympic Games on China's Political Reform and National Identity	Sonia Ryang	KSAS
Galen Lande	2007	KSAS	Large-Scale Protein-Protein Docking of the Yeast Proteome	Jeff Gray	WSE
Leigh Lieberman	2006	KSAS	The Actor of Antiquity and His Devine Spectators: Discovering the Influence of Ancient Hellenic Cults On Modern Artistic Perception	Dimitrios Yatromanolakis	KSAS
Sopo Lin	2007	WSE	Magnetoelectroporation: A Novel Procedure for Obtaining Magnetically Labeled Stem Cells for MRI Cell Tracking	Jeff Bulte	SoM
Christopher Massa	2006	WSE	Computer Simulation of Ventilation Distribution in a Morphometric Model of the Respiratory System with Applications to Acute Lung Injury	David Kaczka	SoM
Venkatesan Natarajan	2006	KSAS	The Marrying Age: A Collection of Short Stories	Jean McGarry	KSAS

Hari Prabhaker	2007	KSAS	Examination and Development of a Genetic Health System to Combat Sickle-Cell Anemia in Tribal India: Investigating Community Sensitization, the Efficacy of Genetic Documentation, Neonatal Screening, and Limited Chemoprophylaxis	James Goodyear	KSAS
Fareed Riyaz	2006	KSAS	A Limited Structural Genomics Approach to Understanding the Sequence Specificity of F Plasmid Tral36	Joel Schildbach	KSAS
Laura Rupprecht	2007	WSE	Dynamics of Bacterial Intermediate Filament Crescentin In Vitro and In Vivo	Denis Wirtz	WSE
Rachael Stewart	2006	KSAS	LOOKS FOR HOME: The Native American Diaspora	John Mann	KSAS
Hyder Syed	2006	KSAS	The United Nations: Global Power or Paper Tiger? An Analysis of the India-Pakistan Question	Steven David	KSAS

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Summer PURA Cohort 2004*					
Recipient	Year	School	Proposal Title	Mentor/s	Division
Alistair Aaronson	2005	KSAS	Genetically Engineered Smooth Muscle Differentiation of Human Stem Cells	Yegappan Lakshmanan	SoM
Irun Bhan	2005	KSAS	Cell Cycle Regulation of Dynactin-Nuclear Binding	Trina Schroer	KSAS
Justin Caplan	2005	KSAS	Novel Approaches to Inhibiting the DNA Repair Enzyme 0^6-Alkylguanine-DNA-Alkyltransferease for the Treatment of Malignant Brain Tumors	Henry Brem	SoM
Chen "Mary" Chen	2005	KSAS	The Role of Zyxin in Hematopoietic Stem Cells	Curt Civin	SoM
Nelson Chuang	2005	WSE	Analysis of Structure – Function Correlation of the Brain of Cerebral Palsy Patients	Susumu Mori	SoM
Chris Gregg	2005	WSE	B^3 Adrenergic Receptor: Crystallizing Function & Fundamental Second Messenger Pathways	Dan Berkowitz	SoM
Gaurav Gupta	2006	WSE	The Role of Klotho in the Cardiovascular Biology of Aging	Dan Berkowitz	SoM
Kristin Jeung	2005	WSE	Robotic Scissors for Measurement of Haptic Signals During Surgical Cutting	Allison Okamura	SoM
Kenneth Kay	2005	KSAS	Biochemical Characterization of Melanopsin: Implications in Non-Image Forming Vision	King-Wai Yau	SoM
Satoko "Janet" Kuramoto	2006	KSAS	The Association Between Stress Level and Risky Injection Drug Use Behavior Among Adults Living in an Urban Disadvantaged Area	Carl Latkin	BSPH
Marcos Kuroki	2005	WSE	Fluorescent Resonance Energy Transfer Based Nano Biosensors Utilizing Colloidal Semiconductor Quantum Dots and Molecular Beacons	Jeff Wang	SoM
Won Lee	2007	KSAS	The impact of famine on the North Korean Refugee Children in Northeast China: with the focus on their family relations	Sonia Ryang	KSAS
Peter Lillehoj	2006	WSE	Development of Strain Measurement Techniques in Microsample Testing	Kevin Hemker	WSE
Mark Lin	2006	KSAS	The protein content of intranuclear inclusions in frontal cortex of HDL-2 patients	Russell Margolis	SoM
Andrew Liu	2007	WSE	Feature Detection, Registration, and Parcellation of the Human Cerebellum	Jerry Prince	SoM
Owen Loh	2005	WSE	A Biologically Inspired Artifical Antenna for Robot Locomotion	Noah Cowan	WSE
Yu Miyagawa	2006	KSAS	Lost Writers and their Lost Works	Stephen Dixon	KSAS
Marco Morelli	2005	KSAS	Investigating Protein Interactions by the HIV-1 Cofactor Tat-SF1	Clara Kielkopf	SoM
Haley Morrison	2005	KSAS	Contemporary Responses to the Holocaust: Problems of Memory and Understanding	Ruth Leys	KSAS
Chinyere Ogbonna	2005	KSAS	The perception of Visual Illusions in Williams Syndrome	Barbara Landau	KSAS

Daniel Ong	2005	KSAS	Gonad Formation in Drosophila melanogaster	Mark Van Doren	KSAS
Matthew Pagano	2005	KSAS	Reconstruction of decay mode ¸$_b$6`v in pp Collisions at s = 2 TeV	Peter Maksimovic	KSAS
Hari Prabbhakar	2007	KSAS	A Cross-Sectional Evaluation of the Tribal Health Initiative: A Clinical Model for India's Future	Veena Das	KSAS
Joshua Rowe	2005	KSAS	William S. Burrough's Nova Trilogy in the Historical Context of Post-Modern Media Theory	Ronald Walters	KSAS
Stephen So	2007	WSE	Role of Cadherin, Actin, Arp2/3 and WASp in Wound Healing	. Denis Wirtz	WSE
Robert Whelan	2006	KSAS	Han' Me Doon Da Fiddle: Making Links Between The Ethnomusicology and Cultural History of the Shetland Isles	Susan Weiss	PI
Eric Wolkoff	2005	KSAS	Judicial Selection in the States: Selection Methods and Their Effects on Justice	Joel Grossman	KSAS

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Summer PURA Cohort 2003*					
Recipient	Year	School	Proposal Title	Mentor/s	Division
Trevor Adler	2004	KSAS	Historical Research of the Methods and Motivations for Raising Ships	John Russell-Wood	KSAS
Oluwakemi Ajide	2006	KSAS	Dynamics of the Fusion Pore During Cell-Cell Fusion	Eric Grote	BSPH
Tala Altalib	2005	KSAS	Modulation of TNF-Alpha Expression in Human Chondrocytes and Synoviocytes by NSAIDs and Ginger Extract	Carmelita Frondoza	SoM
Heather Blair	2004	KSAS	Mapping the Prevalence of HIV Against That of Tuberculosis in Johannesburg, South Africa	James Goodyear	KSAS
Ashley Horton	2004	KSAS	Marie-Anne Lavoisier: A Woman of Scientific and Cultural Importance	Lawrence Principe	KSAS
Brett Kutscher	2004	WSE	Fluorescence Recovery After Photobleaching Instrumentation	Doug Murphy, Pablo Iglesias	SoM, WSE
George Lambrinos	2005	KSAS	The Role of Wallerian Degeneration in the Pathogenesis of Neuropathic Pain Following Peripheral Injury	James Campbell	SoM
Adrea Lee	2004	KSAS	The Role of Fractalkine in the Pathogenis of HIV Dementia	Carlos Pardo-Villamizar	SoM
Johnson Lee	2004	KSAS	Smooth Muscle Differentiation of Human Embryonic Stem Cells (hESCs)	Yegappan Lakshmanan	SoM
Amanda Leese	2004	KSAS	Human Rights Violators and the International Court of Justice: Contrasting the Barbarity of Crimes with the Dignity of Laws	Siba Grovogui	KSAS
Daniel Loeser	2004	WSE	A Miniaturized Contact Fluorescence Imaging System Incorporating True Contact and Solid-State Illumination	Leslie Tung	SoM
Holly Martin	2004	KSAS	We Are What We Eat: U.S. Consumption Trends vs. Sustainable Protein Sources	Felicity Northcott, Sidney Mintz	KSAS
Katherine McDonough	2006	KSAS	French Musicians and the Political World of the 1789 Revolution	Susan Weiss	PI
Paul Nerenberg	2004	KSAS	STILLMix — Surface Tension Impelled Low-Gravity Liquid Mixing Experiment	Cila Herman	WSE
Megan O'Brien Gold	2004	SoN	Universal Urine Screening for Neisseria Gonorrhoeae and Chlamydia Trachomatis Among Battered Women	Phyllis Sharps	SoN
Allan Olson	2006	WSE	Network Modeling of Polycrystals	Sanjay Arwade	WSE
Jin Packard	2004	KSAS	Mechanism of Vesicular Formation in Yeast Endocytosis	Beverly Wendland	KSAS
Scott Pitz	2004	KSAS	How Do Earthworm Communities Affect the Hydrology of Agro-Ecosystems?	Katalin Szlavecz	KSAS
Eric Simone	2004	WSE	Fabrication of Micro DNA Biosensor Chip with Embedded Concentration Electrodes	Jeff Wang	WSE
Bhuvan Srinivasan	2004	WSE	Comparison of Deterministic and Stochastic Models of the PKA Pathway	Andre Lebchenko	WSE
Ankit Tejani	2004	WSE	Use of Erythropoietin as a Novel Treatment in a Murine Model of Myocardial Infarctions	Joshua Hare	WSE
Denise Terry	2005	KSAS	LIFE: A Photo Essay	Deborah McGee Mifflin	KSAS

Rebbeca Tesfai	2004	KSAS	The Achievement of Immigrant Populations in Urban High Schools	Stephen Plank	KSAS
Anand Veeravagu	2005	WSE	A Model for the Quantification and Analysis of Long-Range Spinal Cord Regeneration	Lawrence Schramm	SoM
Simon Zaleski	2006	PI	Infusing New Beauty into Modern Music Using Ideas From the Past	Wedd Wiggins	PI

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Summer PURA Cohort 2002*					
Recipient	Year	School	Proposal Title	Mentor/s	Division
Angela Au	2003	WSE	Evaluation of Thermally Reversible Polymer Gels as Cell Scaffolds for Tissue Engineering	Carmelita Frondoza	SoM
Allison Barker	2003	KSAS	Statistical Pattern Recognition of Alzheimer's Disease	Carey Priebe	KSAS
Brian Daniels	2003	WSE	Biodegradable Synthetic Polymer Scaffolds for Application in Tissue Engineering	Denis Wirtz	WSE
Terry Dean	2003	KSAS	The Effects of Acute Sleep Deprivation on PFC Function and Mood in College Students	Brenda Rapp, Richard Allen	KSAS, SoM
Rajiv Devanagondi	2004	KSAS	Functional Localization of Paroxysmal Dyskinesias in the Lethargic Mutant Mouse	H.A. Jinnah	SoM
Daniel Dokko	2003	WSE	Haptic Sensors in Robot-Assisted Surgery	Allison Okamura	SoM
Adam Dziorny	2003	WSE	FMRI Protocol Development and Testing for the Study of Executive Attention	Pat Barta	SoM
Thomas Foutz	2003	KSAS	Dissecting the Transforming Pathways of FLT3/ITD Mutations in Leukemia	Donald Small	SoM
Hanh Ho	2003	KSAS	Atomic Force Microscopy Studies of Heterologous Lipid Bilayer Interactions	Jan Hoh	SoM
Andrew Kim	2005	KSAS	Glutamate Transporter Regulation of Metabotropic Glutamate Receptors in Hippocampal Astrocytes	Dwight Bergles	SoM
Matthew Groot	2003	KSAS	Investigation of the Late Bronze Age Occupation at Tell Umm el-Marra, Syria	Glenn Schwartz	KSAS
Erik Lontok	2003	KSAS	Biogenesis and Function of the Infectious Bronchitis Virus S Protein	Carolyn Machamer	SoM
Monica Lopez-Gonzalez	2005	KSAS	CD Recording of Ernesto Lecuona's Andalucia Suite	Corey McVicar	PI
Hyunmi Oh	2004	WSE	Phenotypic Characterization of FGFR2 Ser252Trp and Pro253Arg Mutant Mice	Ethylin Wang Jabs	SoM
Robert Oldt III	2004	KSAS	Molecular Generic Analysis of Intermediate Trophoblastic Tumors	Ie-Ming Shih	SoM
Mark O'Leary	2003	WSE	The Art of Motion	Gregory Chirikjian	WSE
Ashish Patel	2005	WSE	Lord Tebbit's 'Cricket Test'--A Story of South Asian Marginalization in Britain	Veena Das	KSAS
Sam Phillips	2003	WSE	Using Evolutionary Algorithms to Optimize Structural Member Design	Ben Schafer	WSE
Jennifer Poti	2003	KSAS	Alanine Scanning Mutagenesis of the G Subunit of the Chloroplast ATP Synthase	Richard McCarty	KSAS
Shiroman Prakash	2005	KSAS	Sequences of Voronoi Diagrams and Even Distributions of Points on the Sphere	Mark Haskins	KSAS
Ali Rabbani	2003	KSAS	Beyond America: A Visual and Auditory Exploration of the Artificial Nature of American Culture and What Lies Beyond	Linda DeLibero	KSAS
Jeanelle Roerkohl	2003	SoN	Attributional Styles of Children at Risk for Post-Traumatic Stress Disorder and Their Caretakers	Linda Lewandowski	SoN
Arun Sharma	2003	KSAS	The Role of Atypical Protein Kinase C (aPKC) Zeta in Hepatocyte Polarity	Ann Hubbard	SoM

Aidan Smith	2003	KSAS	Public Education and the Cold War: Constructing National Identity	Ronald Walters	KSAS
Suman Sureshbabu	2003	KSAS	Microfinance in Africa: A Question of Sustainability	Kellee Tsai	KSAS
Khoi Than	2003	KSAS	Mutagenicity of Chloroacetamide Herbicides and Their Degradation Products	A. Lynn Roberts	WSE
Thomas Wang	2003	WSE	Mechanism of Apoptotic Cell Death Induced by Shiga Toxin 1 B-Subunit	Olga Koubasnjuk	SoM

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Summer PURA Cohort 2000*

Recipient	Year	School	Proposal Title	Mentor/s	Division
Jideofor Aniukwu	2002	KSAS	Isolation and Characterization of Xenopus Laevis BAF	Katherine Wilson	SoM
Jennifer Baltz			Isolation and Characterization of Dnmlp-Associated Proteins Involved in Mitochondrial Fission	Michael McCaffrey, Beverly Wendland	KSAS
Alan Braly	2002	WSE	The Mechanical and Structural Response of Human Tooth Enamel to Acid Reflux	Timothy Weihs	WSE
Chalres Chaney			Studies of Transduction of Genes into Human Hematopoetic Stem Cells Using Polymeric Microencapsulation	Kam Leong	SoM
Ming-Chieh Ding			The Effect of Global Ischemia on Reticular Thalamis Nuclei	Nitish Thakor	SoM
Hannah Eucker			Optimal Conditions for Protein Sampling	Christopher Chen	SoM
Jonathan Golob			Regulated Gene Expression in Stem Cell Directed Gene Therapy	Linzhao Cheng	SoM
Victor Howard			Stereological Studies of Synapse Loss inMouse Models of Aging and Alzheimer's Disease	Peter Mouton	SoM
KiBem "Antonio" Kim	2002	KSAS	Mechanisms of Transcriptional Repression in the Germ Line	Victor Corces	KSAS
Barbara Kiviat	2001	KSAS	Suburb Without a City: Salisbury, Maryland as a Case Study of Changing Rural America	Tristan Davies	KSAS
Kendra Klang			A Search for KIT and FMS Receptor-Activiating Mutations in AML	Donald Small	SoM
Eric Krauland		WSE	Catimic Microparticles for Pulmonary DNA Delivery	Justin Hanes	WSE
Yi-Yang "Yvonne" Lau			Tissue Engineering - Development of a Human Tracheal Bioprosthesis	Kam Leong	SoM
Nahyoung Lee			Glutamine Transporter and Glutamate Neurotransmission	Jeff Rothstein	SoM
Morris Ling	2001	KSAS	RNA Replicons as Vaccines for HPV - Associated Cancer	T-C Wu	SoM
Martha Milton			Carl Ludwig and the Laboratory Revolution of Medicine, Science, Technology and Experimentation	Daniel Todes	SoM
Zaman Mirzadeh			Melatonin-GABA Interactions and the Seasonal Regulation of Neuroplasticitiy in Songbirds	Greg Ball	KSAS
Michael Overstreet			Effect of Growth and Differentiation Factors on Human Chondrocytes Propagated in Three-Dimensional Scaffolds	Carmelita Frondoza	SoM
Matthew Pormebka			The Rational Design of Novel Benzoyl and Cinnamoyl Based Photochemical Precursors to Nitric Oxide	John Toscano	KSAS
Amit Rahman			In Vov Strain Hardening of Actin Cytoskeleton - A Novel Mechanical Signal	Denis Wirtz	WSE
Alok Sathaye	2002	WSE	Using Finite Element Modeling to Investigate Spatial Electrophysiological Phenomena in Cell Culture Monolayers	Leslie Tung	SoM

Caroline Shaw	2001	KSAS	Bringing Local Concerns to the National Agenda: Manchester and Parliamentary Reform	Judith Walkowitz	KSAS
Pasha Siraj			Clausal Structure and Null elements in Singaporean English	Geraldine Legendre	KSAS
Samia Sulemon			Comparison of Dexamethason and a Novel COX II Inhibitor on Survival in Rats Bearing a 9L Glioma	Stuart Grossman	SoM
Brian Udoff	2002	KSAS	Work in Progress - A Short Film	Stephen Dixon	KSAS
Sean Waldron			Advancement in the Intermolecular Imino Ene Reaction	Thomas Lectka	KSAS
Eugene Wang			Detection of Brain Tumor DNA in Serum and Cerebrospinal Fluid (CSF)	Ben Carson	SoM
Lisa Wood	2001	SoN	The Impact of Lead Exposure on the Livers of Young (age 1-6 years) East Baltimore Children	Marion D'Lugoff	SoN

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Summer PURA Cohort 1999*

Recipient	Year	School	Proposal Title	Mentor/s	Division
Charles Chaney	2000	WSE	Studies on the Effect of Fluoride-Treated Bovine Bone-Derived Materials on Human Osteoblasts	Carmelita Frondoza	SoM
Audrey Chen	2000	PI	Explorations of the Abdomen and Thorax	Phyllis Bryn-Julson	PI
Shooshan Danagoulian	2000	KSAS	Economic Policy Convergence Among Contemporary French Political Parties	Wilda Anderson	KSAS
Rozalin Davoodnia	2000	KSAS	Disease Maintenance Across Cultures	Katrina McDonald	KSAS
Michael Dorsi	2000	KSAS	The Effects of Chronic Dorsal Rhizotomy on the L5 Ligature-and-Cut Model of Mechanical Allodynia in the Rat	Allan Belzberg	SoM
Jeffrey Hanson	2000	WSE	Chondrocyte Seeded Chitosan Scaffolds for Cartilage Repair	Carmelita Frondoza	SoM
Joseph Jamal	2000	KSAS	Identification of Oculodentodigital Dysplasia Gene: A Lesson in the Positional cloning Approach	Ethylin Wang Jabs	SoM
Kanupriya Kumar	2000	KSAS	A Comparison of Western-Trained (Allopathic) and Ayurvedic Doctors With Regards to Depression in Urban India	Sara Berry	KSAS
Wah "Steve" Leung	2000	KSAS	Organic Solutes Cure Cystic Fibrosis Defect	Sandra Guggino	SoM
Amit Malhostra, Michelle Schmidt	2001, 2000	WSE	Significance of Cyclis Response Element Binding Protein and the Subsequent Gene Expression on the Ischemic Apoptotic Pathway *(group project)*	Nitish Thakor	SoM
Arash Mostaghimi	2001	WSE	CCG Repeat Expansions in Psychiatric Diseases	Russell Margolis	SoM
Thomas Mullaney	2000	KSAS	Tiananmen Square and the Three Days of Freedom	William Rowe	KSAS
Joshua Obstfeld	2000	KSAS	Democratic Peace in Russia? What Anti-Semitism Can Tell Us	Steven David	KSAS
Terry Prendiville	2000	KSAS	Cognitive Functioning and Cerebral Laterlization in Gender Dysphoric Men Undergoing Hormone Therapy	Adrian Dobs	SoM
Pia Shah	2000	KSAS	Grassroots Healthcare and Feminism, Kutch, India	Siba Grovogui	KSAS
Adam Siegel	2000	KSAS	Stranded Cost in Electricity Deregulation: An Assessment and Comparison of Public Utility Commission Decisions in Selected Styles and the Impact on Post-Regulation Rates	Joseph Harrington	KSAS
Katharine Steece	2000	KSAS	Biochemical and InVivo Characterization of Carboxy-Terminal Clathrin Binding Domain	Beverly Wendland	KSAS
Sarmela Thevarajah	2000	KSAS	The Role of Contemporary Bharatha Natyam on the Formation and Expression of Identity in Sri Lanka	Gyanendra Pandey	KSAS
Thach-Giao Truong	2000	KSAS	Pho Bo as Symbol: Beef Noodle Soup and the People of Vietnam	Sonia Ryang	KSAS

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Summer PURA Cohort 1998*

Recipient	Year	School	Proposal Title	Mentor/s	Division
Omar Aquaddoomi	1999	WSE	Acoustic and Optical Sensory Systems for Autonomous Underwater Vehicle Navigation	Louis Whitcomb	WSE
Joshua Apgar	1999	KSAS	The Role of Type II Topoisomerase during Cell Division	Denis Wirtz	WSE
Linda Chang	2000	KSAS	Chinese History in the 20th Century	Stephen Dixon	KSAS
Teddy Chao	1999	WSE	YARDSALE: A Homegrown Documentary	Jerome Christensen	KSAS
Edward Cho	2000	KSAS	In Vitro Assembly of Alpha-Synuclein	Michael Lee	SoM
Andrew Dickenson	2000	PI	A Documentation of the Career of Gibert Biberian	Julian Gray	PI
James Ha	2000	KSAS	Distribution of Locally Delivered Antisense Constructs in Mouse Brain	Ben Carson	SoM
George Ho	1999	KSAS	Characterization of FMRP-like Expression in Fragile X Subjects with Full Mutation	Walter Kaufmann	SoM
Kay Hsieh	1999	KSAS	The Impact of a Frontier Environment on Literature	Stephen Dixon	KSAS
Danny Lee	1999	KSAS	Patterning of the Vertebrate Neural Tube	Marnie Halpern	KSAS
Tony Lee	1999	KSAS	The Regulation of Gene Expression in Lysosomul Disease	Jonathan Pevsner	SoM
Rachel Lei	2000	KSAS	Cellular Response to Human Papillomavirus E6 Oncoprotein Expression	Kathleen Cho	SoM
Elizabeth Lipke	2000	WSE	Real-Time Measurement of Reactive Oxygen Species in Cultured Vascular Endothelial Cells	B. Rita Alevriadou	SoM
Adam Morris	1999	WSE	International Autonomous Underwater Vehicle Competition	Louis Whitcomb	WSE
Danny Ng	2000	WSE	Development of an in vitro Model System for Assessing the Effect of the Adrenoleukodstrophy Protein on Very Long-Chain acyl-CoA Synthetase Activity	Paul Watkins	SoM
Mary Pohl	2000	KSAS	The Effect of Cytokines on Leukocyte Function	Brian Rosenfeld	SoM
Zygmunt Porada III	1999	WSE	Interleaved vs. Simultaneous Retinal Stimulation Strategies	Mark Humayun	SoM
Mercedes Quinones	1999	KSAS	Olfactory Neurons as a Model for Rett Syndrome	Gabriele Ronnett	SoM
Nadine Rosenbloom	1999	SoN	The Benefits of Infant Massage in Lesotho	Nancy Glass	SoN
Monica Schwartz	2000	PI	Twentieth-Century Bassoon Techniques: A Complete Resource for Composers and Performers	Linda Harwell	PI
Kristi Stanton	1999	KSAS	Synthetic Implantable Biodegradable Polymers in Brain Tumors for Boron Neutron Capture Therapy	Jeffrey Williams	Som
Rabiyia Suleman	1999	KSAS	The Localization of Glutamate Receptor Subtypes in the Primate Retina	David Calkins	KSAS
Alexandra Surcel	1999	KSAS	Characterization of Plasmodium Histidine-rich Proteins and Their Role in Hemozoin Formation	David Sullivan	BSPH

Christopher Valeri	1999	KSAS	CT Visualization and Validation of Ts6Dn Mice	Joan Richtsmeier	SoM
Lyld Wells	1999	KSAS	The Megiddo Expedition	Jerrold Cooper	KSAS
Linda Yi	1999	KSAS	Secondary Education An Option? An Analysis of the Bearing Faced by Costa Rican Adolescents Attending Public Schools	Barbara Smith	KSAS
Sarvenaz Zand	1999	WSE	Pharmacological Upregulation of Nerve Growth Factor by Hybrid Analogs of 1,25-Dihydroxyvitamin D3	Henry Brem	SoM

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Summer PURA Cohort 1994*					
Recipient	Year	School	Proposal Title	Mentor/s	Division
Saminez Akhter	1997	KSAS			

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