

STAR Cohort 2018

Awardee	Proposal Title	Sponsor	Sponsor Division
Ayyappan, Vinay	Establishing Ubiquitous Mitochondrial Creatine Kinase (CKMT1) as a Proton MRS-Imageable Metabolic Vulnerability in Human Breast Cancer	Kristine Glunde	SOM
Chen, Yuxi	Contribution of the Primary Somatosensory Cortex to Sensorimotor Adaptation in Mice	Daniel O'Connor	SOM
Chiu, Michelle	Larval Mosquito Salivary Gland Architecture and Secretion	Michael Wells	SOM
Cressy, Jianna	Role of medial prefrontal cortex in updating value representations	Jeremiah Cohen	SOM
Dominguez, Samantha	Auditory discrimination of echolocation and communication signals in bats	Angeles Salles	KSAS
Dutson, Madison	Addressing Environmental Health Challenges in Baltimore City Public Schools through Student Engagement	Megan Latshaw	BSPH
Farrell, Alanna	Three-dimensional in Vitro Model of Blood-Brain Barrier Drug Delivery for Treatment of Brain Cancer	Peter Searson	WSE
Gabriel, Angel	The Effects of Racial Discrimination on Hypertension in an Integrated Community in Baltimore City	Roland Thorpe	BSPH
Goldschmid, Samantha	Mixed Metal Catalysis for Small Molecule Activation	Sara Thoi	KSAS
Leff, Michael	Engineering single-chain cytokine-antibody fusions for cancer immunotherapy	Jamie Spangler	WSE
Little, Patrick	The Time Course of Physical Intuitions	Chaz Firestone	KSAS
Lwin, MonYi	Urine ketones as a biomarker for seizure reduction in patients with epilepsy on the modified Atkins Diet	Mackenzie Cervenka	SOM
Nguyen Tran, Bruce	Active and passive listening channels for auditory scene analysis	Cynthia Moss	KSAS
Nguyen, Melody	Identifying in vivo protein modifiers of mutant VCP-induced muscle dysfunction via a directed genetic interaction screen.	Anthony Cammarato	SOM
Oh, Richard	Prolonged Effects of Clinical Drug on Epileptic Neuronal Networks	Pawel Kudela	SOM
Ontiveros, Michael	Examining the potential of social network interventions to improve HIV care and treatment among women who use drugs in Tanzania	Haneefa Saleem	BSPH
Osterbauer, Karl	Testing a Model of Metal Poor Star Formation in Ultrafaint Dwarfs of the Local Group	Kevin Schlaufman	KSAS
Parsons, Bradley	Sleep Patterns in Student Athletes	Alan Schwartz	SOM
Peng, Luyi	Loss of p53 in pathogenesis of relapsed and refractory multiple myeloma	Yu-Tai Chang	SOM
Pitaktong, Isaree	3D Printing Vascularized Cardiac Tissue Constructs	Narutoshi Hibino	SOM
Qin, Wenzer	Astrometric Effects of Alternative Theories of Gravity	Marc Kamionkowski	KSAS
Reed, Madison	A Biochemical and Cellular Analysis of HIV recognition by CD4+ T lymphocytes	Scheherazade Sadegh-Nasseri	SOM
Retta, Nazrawit	Quantitative Analysis of Sensory Cells and Neurons of the Ear in Deaf Bats	Amanda Lauer	SOM
See, Julia	Astrocyte IL-33 in Sex-dependent Modulation of Microglia Function and Anxiety Related Behavior	Shinichi Kano	SOM
Seo, Jayhyun	Defining Epigenetic Regulation of B2-Adrenergic Receptor Tachyphylaxis in Asthma	Steven An	BSPH
Shallal, Christopher	Dielectric Elastomer Actuator Implementation into a Prosthetic Adaptive Socket	Nitish Thakor	SOM
Shi, Rosa	Preclinical neuroprotective efficacy evaluation of DA-9805 for Parkinson's disease	Ted Dawson	SOM
Spoleti, Tyler	Disrupting the Flight of Mosquito Swarms via Acoustic Waves	Rajat Mittal	WSE
Yang, Albert	Creation of Split GFP-Based Cellular Boolean XOR Logic Gates	Takanari Inoue	SOM
Yang, Mingyu	Developing Cortex-Like Tissue in Vitro	Hai-Quan Mao	WSE
Zhan, Kevin	A genome-wide screen to identify negative regulators of centrosome biogenesis	Andrew Holland	SOM

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Awardee	Major/s	Primary Mentor (Division)	Secondary Mentor (Division)
Aversa, Gabrielle	Chemistry	Sara Thoi (KSAS)	Avery Baumann (KSAS)
Bhargava, Anant	Biophysics	Erin Goley (SOM)	Kousik Sundararajan (SOM)
Borkovic, Monika	Writing Seminars	Jennifer Kingsley (KSAS)	
Botto, Ines	Sociology	Tim Nelson (KSAS)	
Brown, Alisa	Biomedical Engineering	Jeff Siewerdsen (SOM)	Amir Manbachi (SOM)
Chalmin, Alyssa	Molecular & Cellular Biology	Kelly Metcalf-Pate (SOM)	Alicia Braxton (SOM)
Chang, Aran	East Asian Studies	Gerald Brandacher (SOM)	Angelo Leto Barone (SOM)
Earls, Alexa	Behavioral Biology	Eric Hutchinson (SOM)	
Eng, Nicolas	Biomedical Engineering	Michael Beer (SOM)	
Fang, Victoria	Biomedical Engineering; History of Science, Medicine & Technology	Arvind Pathak (SOM)	
Ferreyros, Marissa	Cognitive Science; Psychology	James Knierim (KSAS)	Manu Madhav (WSE)
Garcia, Anna	Chemical & Biomolecular Engineering	Patrick Brown (SOM)	Cara Rabik (SOM)
Gupta, Ananya	Biomedical Engineering	Sharon Gerech (WSE)	Justin Lowenthal (WSE)
Gupta, Amolika	Neuroscience	Keri Martinowich (SOM)	Kristen Maynard (SOM)
Jarcho, Max	Computer Science & Engineering	Christopher Celenza (KSAS)	
Kothari, Ruchita	Biophysics	Solomon Snyder (SOM)	Chirag Vasavda (SOM)
Kumar, Abhi	Molecular & Cellular Biology	Andrew Holland (SOM)	Michelle Levine (SOM)
Li, Joey	Molecular & Cellular Biology	William Matsui (SOM)	Ross McMillan (SOM)
Li, Xiang	Electrical & Computer Engineering	Jerry Prince (WSE)	Muhan Shao (WSE)
Lopez Suarez, Nikki	Materials Science & Engineering	Maria Portuondo (KSAS)	
Mayo, Lakyn	Materials Science & Engineering	Peter Searson (WSE)	Moriah Katt (WSE)
Narayan, Jeyani	Chemical & Biomolecular Engineering	Yun Chen (WSE)	Narutoshi Hibino (SOM)
Nnadi, Chidinma	Biophysics	Sarah Woodson (KSAS)	Subrata Panja (KSAS)
Pak, Jillian	International Studies & Sociology	Stefanie Deluca (KSAS)	Allison Young (KSAS)
Popovic, Aleksandra	Molecular & Cellular Biology	Elizabeth Jaffee (SOM)	Nina Chu (SOM)
Sadras, Vignesh	Biomedical Engineering	Raimond Winslow (WSE)	
Sarkisian, Piunik	Psychology	Evelyn Ender (KSAS)	
Scerbo, Will	Applied Math & Statistics	Daniel Naiman (WSE)	Geoffrey Wright (Peabody)
Schrum, Mariah	Biomedical Engineering	Russell Taylor (WSE)	
Shiau, Fion	Neuroscience; Molecular & Cellular Biology	Seth Blackshaw (SOM)	Brian Clark (SOM)
Stanley, Paige	Chemical & Biomolecular Engineering; Applied Math & Statistics	Jeffrey Gray (WSE)	Jeliazko Jeliazkov (KSAS)
The, Wen Wen	Neuroscience; Economics	Abdulgafoor Bachani (BSPH)	
Tran, Linh	Biomedical Engineering	Gregg Semenza (SOM)	Haiquan Lu (SOM)
Ubellacker, Delaney	Cognitive Science	Brenda Rapp (KSAS)	Robert Wiley (KSAS)
Vicente, Fernando	Biomedical Engineering	Andrew Feinberg (SOM)	
Villavisanis, Dillan	Anthropology	Amanda Lauer (SOM)	
White, Max	Biophysics	Jie Xiao (SOM)	Chris Bohrer (SOM)
Wong, Kimberly	Cognitive Science	Michael McCloskey (KSAS)	Gali Elenblum (KSAS)
Xie, Wendy	Neuroscience	Cynthia Moss (SOM)	Michaela Warnecke (SOM)
Yuan, Cindy	Neuroscience; Cognitive Science	Marshall Hussain Shuler (SOM)	Tanya Marton (SOM)

** students were not asked to submit proposal in inaugural year