

Research Theme	Trainee Name	Trainee Department	Application Title	Lead Mentor Name	Lead Mentor Department
Enriching Life and Human Society	Cody Carpenter	NanoEngineering	Molecular Limits of Human Tactile Perception	Lipomi, Darren	Nanoengineering
Enriching Life and Human Society	Kelsey Alexander	Chemistry and Biochemistry	Isolation and Structure Elucidation of a Marine Natural Product for the Treatment of Cancer	Gerwick, William	Scripps Institution of Oceanography
Enriching Life and Human Society	Emily Paolillo	SDSU/UCSD Joint Doctoral Program in Clinical Psychology	Heavy Drinking and Antiretroviral Adherence Don't Mix: Assessing Real-Time Relationships Using Ecological Momentary Assessment and Wearable Alcohol Biosensors	Moore, David	Psychiatry
Enriching Life and Human Society	Anamika Agrawal	Department of Physics	Quantitative Study of the Spatial Organization of Metabolism in Neurons	Koslover, Elena	Physics
Enriching Life and Human Society	Xiahan Zhou	Electrical and Computer Engineering	Injectable BioMote Sensors for Monitoring Drugs of Abuse	Hall, Drew	Electrical And Computer Engineering
Enriching Life and Human Society	Lee Swanson	BMS	Combating Inflammation with Mathematics	Ghosh, Pradipta	Cellular and Molecular Medicine
Enriching Life and Human Society	Gopesh Tilvawala	Mechanical and Aerospace Engineering	Neurotendo: technology for remote neurovascular navigation	Khalessi, Alexander	Neurosurgery
Enriching Life and Human Society	Lindsey Spiegelman	Chemistry & Biochemistry	Combating hospital-acquired bacterial infections	Ghosh, Partho	Chemistry And Biochemistry
Enriching Life and Human Society	Fang Chen	NanoEngineering	Healing Broken Hearts with Magnetic Stem Cells	Jokerst, Jesse	Nanoengineering
Enriching Life and Human Society	Dimitri Schreiber	Electrical and Computer Engineering	Single incision, multi-target MR-guided lung cancer screening via robotic steered needles	Yip, Michael	Electrical And Computer Engineering
Enriching Life and Human Society	Laura Huang	Nanoengineering	Silica Nanoparticles as Imaging Contrast Agents for Retinal Disease	Chao, Daniel	Ophthalmology

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Enriching Life and Human Society	TBN TBN	TBN	Infiniscope: Endoscopic Robotic Propulsion System for Safer and More Complete Colonoscopies	Tanaka, Elaine	Surgery
Enriching Life and Human Society	Jiayi Dong	Biological Sciences	Regulatory T cell-mediated control of intestinal immune homeostasis upon physiological microbial exposure	Lu, Li-Fan	Molecular Biology
Enriching Life and Human Society	Alison Vrbanac	Biomedical Sciences	Interrogating the Whole Organism Impact of Antibiotics	Nizet, Victor	Pediatrics
Enriching Life and Human Society	Zhenze Jiang	SSPPS / Chemistry and Bichemistry	Discovery of proteasome inhibitors to treat Trichomoniasis	O'Donoghue, Anthony	Pharmaceutical Chemistry
Exploring the Basis of Human Knowledge, Learning and Creativity	Alejandro Ojeda	Electrical & Computer Engineering/IRC	Closed-Loop Learning to Enhance Cognition in Children with Attention Deficit Disorder	Mishra, Jyoti	Psychiatry
Exploring the Basis of Human Knowledge, Learning and Creativity	Tinghao (Shawn) Wang	Philosophy	The Psychological and Philosophical Foundations of Probabilistic Moral Principles	Rickless, Samuel	Philosophy
Exploring the Basis of Human Knowledge, Learning and Creativity	Rachel Bristol	Cognitive Science	What do YOU know? Calibrating Epistemic Authority	Rossano, Federico	Cognitive Science
Exploring the Basis of Human Knowledge, Learning and Creativity	Sean Trottt	Cognitive Science	Why are some people better at inferring what others know?	Bergan, Benjamin	Cognitive Science
Exploring the Basis of Human Knowledge, Learning and Creativity	Kuan-Jung Chiang	Department of Bioengineering	Developing an Augmented Reality BCI for Patients with Mobility Impairments	Jung, Tzyy-Ping	INC
Exploring the Basis of Human Knowledge, Learning and Creativity	Mayya Azarova	Anthropology	The Backstage of Innovation: Designing Multidisciplinary Teams to Solve Complex Sociotechnical Problems.	Aronoff-Spencer, Eliah	Medicine
Exploring the Basis of Human Knowledge, Learning and Creativity	Emily Ho	Neuroscience	Cellular Circadian Rhythms in Bipolar Disorder Across Neuronal Development	Mccarthy, Michael	Psychiatry
Exploring the Basis of Human Knowledge, Learning and Creativity	Bahram Kheradmand	Ecology, Behavior & Evolution, UCSD	Bees as a learning model: is sequence pattern learning a shared trait among humans and bees?	Nieh, James	Ecology, Behavior & Evolution

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Exploring the Basis of Human Knowledge, Learning and Creativity	Chi Ren	Biological Sciences PhD Program	Cortex-wide Dynamics during Motor Learning with Simultaneous Calcium Imaging and Electrocorticography (ECoG) Recording in a Stroke Model in Mice	Komiyama, Takaki	Neurobiology
Exploring the Basis of Human Knowledge, Learning and Creativity	Keming Cao	Electrical and Computer Engineering	Creating robust visual object classifiers for quantifying social gaze behavior	Cosman, Pamela	Electrical And Computer Engineering
Exploring the Basis of Human Knowledge, Learning and Creativity	Christopher Donahue	Music	Learning the semantics of polyphonic music composition	McAuley, Julian	Computer Science & Engineering
Exploring the Basis of Human Knowledge, Learning and Creativity	Samir Saidi	Bioengineering	Building Novel Optical Tools for Simultaneous Recording of Activity in Multiple Neuronal Circuits In Vivo	Shtrahman, Matthew	Neurosciences
Exploring the Basis of Human Knowledge, Learning and Creativity	ByeongKeun Kang	Electrical and Computer Engineering	Analysis of mice's movement to investigate motor cortex	Nguyen, Truong	Electrical And Computer Engineering
Exploring the Basis of Human Knowledge, Learning and Creativity	Jonathon Paden	Visual Arts Department	Building the how of Mixed Reality living : Software for AR Polypurpose Wearables	Brown, Sheldon	Visual Arts
Understanding and Protecting the Planet	Josef Djordjevski	History	Dilemmas of Development in Croatia and Yugoslavia: Tourism and the Transformation of the Adriatic Coast, 1945-2013	Patterson, Patrick	History
Understanding and Protecting the Planet	Haley McInnis	Sociology	Does it hold water?: How California Defined, Declared, and Responded to Droughts, 1976 - 2017	Haydu, Jeffrey	Sociology
Understanding and Protecting the Planet	Li-Yi Hsu	Electrical Engineering	Terahertz Sensing based on Topological Devices	Kante, Boubacar	Electrical And Computer Engineering
Understanding and Protecting the Planet	Pichaya Lertvilai	Scripps Oceanography/AOS	Early in situ Detection and Characterization of Harmful Algal Blooms	Jaffe, Jules	Scripps Institution of Oceanography

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Understanding and Protecting the Planet	Belinda Ramirez	Anthropology	From Food Deserts to Food Forests: The Case for Urban Agriculture in San Diego County	Garth, Hanna	Anthropology
	Ben Zhou	Chemistry and Biochemistry	Hybrid magnetocaloric/heat transfer materials for sustainable cooling -Graduate Student Project Leader	Rinehart, Jeffrey	Chemistry And Biochemistry
					Mechanical And Aerospace Engineering
	Kyungah Seo	Materials Science Program	Janus Nanoparticles: Materials by Design for Controllable Catalytic Applications	Graeve, Olivia	Cell & Developmental Biology
Laura Gates	Division of Biology	Investigation of a maize GRAS family transcription factor involved in cell death control following submergence stress	Briggs, Steven	Biology	
Understanding Cultures and Addressing Disparities in Society	Jacob Hellman	Communication	Values and Value: Early-Stage Investing for Financial and Social Return	Irani, Lilly	Communication
	Graeme Mack	History	Sea Changes Upon the Land: Pacific Merchants & the Transformation of California, 1787-1848	Hanna, Mark	History
					Communication
	Amie Campos	History	"Land, Maps, and State Formation in Chile's Southern Frontera 1883-1929"	Fields, Gary	History
	Kathleen Connelly	Philosophy	Moral Responsibility and Mental Disability	Gere, Cathy	Sociology
	Jane Lopez	Sociology	(Un)Authorized Love: US Immigration Law and the Effects of Institutional (Dis)Approval on Mixed-Citizenship Families	Ng, Kwai	Sociology
					Anthropology
	Mikael Fauvelle	Anthropology	Connecting the Global and the Local: Art, Archaeology, and Digital Heritage at Fracción Mujular	Algaze, Guillermo	Anthropology
Dinorah Sanchez	Anthropology	Immigration Status, Stress, and Mental Health: Embodiment of Deportability	Csordas, Thomas	Anthropology	

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Understanding Cultures and Addressing Disparities in Society	Fátima Khayar-Cámara	Sociology	“(Re)Claiming citizenship: A Multi-Sited Study of Everyday Politics Post-Deportation”.	Andrews, Abigail	Sociology
Understanding Cultures and Addressing Disparities in Society	Jorge Ramirez	History	Indigenous Migration, Agriculture, and Violence along the U.S.-Mexico Pacific Coast Borderlands, 1980-2006	Molina, Natalia	History
Understanding Cultures and Addressing Disparities in Society	Elizabeth Clausing	Anthropology	Biological consequences of stress among children of Hispanic immigrants before and after the 2016 election.	Non, Amy	Anthropology
Understanding Cultures and Addressing Disparities in Society	Rachel Hicks	Anthropology	Identifying Cultural Values in the Solomon Islands through the Eyes of Early School Leavers	Brenner, Suzanne	Anthropology
Understanding Cultures and Addressing Disparities in Society	Sam Wohl	Visual Arts	Especifistas:Especifistas:En la selva no todo se podía ver. Four Women Militants from the Uruguayan Anarchist Federation	Miller, Nicole	Visual Arts