



Yale University
Graduate School of Arts and Sciences

Degree Bulletin
December 2025 & May 2026

DEGREES GRANTED, DECEMBER 2025 AND MAY 2026

Dissertations that have received Distinction are marked with an asterisk (*).

AFRICAN AMERICAN STUDIES

DOCTOR OF PHILOSOPHY

Faith Macharia

Combined with Anthropology

Anti-African: Black in Rome

Jessica Marion Modi

Combined with English Language and Literature

Well-Versed History: Black Poetry and Black Print Culture at Midcentury

Jeania Ree Violet Moore

Combined with Religious Studies

Literature of Hope: Reading Romance in the Religious Lives of Black Women

AFRICAN STUDIES

MASTER OF ARTS

Siwei Lu

Rita Onyinyechi Nwanze

Shanique Reid

AMERICAN STUDIES

DOCTOR OF PHILOSOPHY

Frankie Evelyn Barrett

*Valuing Cheap: Constructing, Consuming, and Contesting the Dollar Store Economy**

Candace Layne Borders

Combined with African American Studies

Remaking Place: Black Women and a Politics of Refusal in St. Louis, 1937-1972

Isaac Jean-Francois

Combined with African American Studies

Composition: Black Queer Aesthetics

Alison Hall Kibbe

Combined with Black Studies

Stitching Pathways through the Plantation: Black Practices of Mobility and Belonging in the New World

Isabel Ortiz

*Manufactured Enchantments: Technologizing the Self in the Twentieth-Century Americas **

Maryam Ivette Parhizkar
Combined with African American Studies
Acts in Inventory: Unsettling Material Accumulation in Hemispheric Aesthetics

Daniella Posy
Crafting Blackness: The Social Construction of Race, Gender, and Sexuality in 20th Century African American Periodicals

Amanda Marie Rivera
Wounds in the Curriculum: Negotiating Puerto Rican Diasporic Belonging Through Education Reform in New Haven, Connecticut

Sylvia Rose Ryerson
Listening Past Carceral Power in Central Appalachia

ANTHROPOLOGY

DOCTOR OF PHILOSOPHY

Hannah May Keller
A Taphonomic Framework for Ostrich Eggshell in Archaeology: Implications for Human Behavior, Social Complexity, and Ostrich-Human Interactions

Zhen Jun Al Tirapon Lim
Combined with Environment
Risking Fortune: Building Value in the Social Ecology of Thai Crypto

Sarah Joy Martini
Social Interaction in the Andes Bajos Between 500 BCE and 700 CE: Two Case Studies From the Central-North Andean Transition Zone at Las Pampas De Panecillo and Cerro La Plaza De Portachuelo De Culucán, Piura, Peru

Kate Shepard McNally
*Newfoundland Ghost Nets: Fathoming Imperial Fallout**

Nala Kissa Gwendolyn Williams
Combined with Black Studies
Excavating Expertise: Black Women, Misogynoir, and Archaeology

David Bechtel Wood
*Behavior and Energetics of Infant Care in a Biparental, Neotropical Primate (*Plecturocebus cupreus*)*

Shoko Yamada
Combined with Environment
*Promises of Repair: Reckoning with Environmental Injuries in the Jinzu River Basin**

MASTER OF ARTS

Tauren Berkley Nelson

APPLIED AND COMPUTATIONAL MATHEMATICS

DOCTOR OF PHILOSOPHY

Oluwadamilola Fasina

Learning the Nonlinear Analysis and Geometry of Data

Jonas Erno Katona

The Importance of Conserved Quantities in the Analysis of Scientific Data and Algorithms

Isay Katsman

Frank Investigations and New Developments in Geometric Machine Learning

Jonathan Patsenker

Interpreting and Controlling Overparameterized Models for Generative Modeling and Representation Learning

Zijian Wang

From Optics to Redistricting: Mathematical and Machine Learning Approaches to Inverse Problems and Sampling

APPLIED MATHEMATICS

DOCTOR OF PHILOSOPHY

Fangyi Li

*Towards the Mathematical Intepretability of Likelihood-Based Generative Models**

APPLIED PHYSICS

DOCTOR OF PHILOSOPHY

Freddy Michael Berl

Dynamical Mechanisms of Context-Dependent Neural Computation

Tianshu Huang

Efficient Neural Network Backflow Transformation for the Two-Dimensional Hubbard Model

Jiaxiang Wang

Levitated Optomechanical Sensors for Fundamental Physics

MASTER OF SCIENCE

Rayan Mehdi Ait Ekioui

Zhengyan Cai

Xianglei Fang

Tianrun Hou

Qihang Huang

Xinji Lin

Huaiyue Peng

Ningyu Wang

Zhouzhi Xia

ARCHAEOLOGICAL STUDIES

MASTER OF ARTS

Rebecca Battalio

Aubrey Chambers

Zining Deng

Matthew Dylan Fiore

Sarah Karel Gontarski

Tia Bree Graham

Shuzheng Jiang

Hannah Kronengold

Tsz Mei Li

Yuqing Ren

Huiwen Ru

Yuanchi Zhang

ARCHITECTURE

DOCTOR OF PHILOSOPHY

Iris Giannakopoulou Karamouzi

"Fellow Travelers": Progressive Architects in Cold War Los Angeles, 1941-1959

ASTRONOMY

DOCTOR OF PHILOSOPHY

Konstantin Gerbig

*A Multi-Scale Perspective on Planet Formation**

Juan J Guerra

Exploring the Dynamical Properties of Resolved Stellar Satellites and Streams

Christopher James Lindsay
*Stellar Structure and Galactic History With Asteroseismology**

Kaustav Mitra
Satellite Galaxy Kinematics: A Competitive and Complementary Probe of the Galaxy-Halo Connection and Cosmology

Zili Shen
Understanding the Formation of Ultra-Diffuse Galaxies Through Systematic Observations

BIOMEDICAL ENGINEERING

DOCTOR OF PHILOSOPHY

Shuozhen Bao
Unveiling the Spatial Cellular Dynamics and Regulatory Network in Glioblastoma

Archie Henry Enniful
*Multi-Modal Spatial Omics to Decode Human Cancer Dynamics**

Ilhan Gokhan
Combined MD/PhD Program
Desmoplakin Loss Leads to PKC- and Src-Mediated Contractile Dysfunction in Cardiomyocytes

Samuel Theophilus Liburd Jr.
Combined MD/PhD Program
Spatial Image Analysis of Kidneys Demonstrates pMLKL Priming of Renal Cells During Cold Ischemia Leading to Delayed Graft Function That Can Be Attenuated by Bax Inhibition

Hannahmariam Tekleab Mekbib
Light Sheet Microscopy for 3D Nanoscale Imaging

Chunxiao Ren
Unraveling the Phenotypic Plasticity in Glioblastoma

Gregory Roytman
The Effects of Modifiable Characteristics of Orthopedic Implants for the Management of Femur Fractures

Huili Sun
Development of the Human Brain Networks During Infancy

Michelle Wu
Inflammatory Priming of Pericyte-Driven Fibrotic Responses: The Role of TNF-Alpha and TGF-Beta 1 in Microvascular Activation

MASTER OF SCIENCE

Jianxiang Gao

Yunchu Li

Yunyi Shi

Yuya Tang
Haodong Tian
Yanze Wang
Xiangyu Wang
Zhengyang Wang
Ce Xu
Enxi Xue
Chaoyu Yang
Yulin Yang
Qianru Yang
Zhihao Zhang
Sihan Zhou
Haitian Zhou
Jingquan Zhou
Jiaxi Zhu

CELL BIOLOGY

DOCTOR OF PHILOSOPHY

Paola Victoria Figueroa-Delgado

Investigating Mechanisms of Dendritic Pruning in Caenorhabditis Elegans Inner Labia 2 Sensory Neurons

Devin Michael Fuller

The Organization of Autophagic Membranes and Proteins at the Phagophore Assembly Site

Ian Joseph Gonzalez

Functional Roles of Subcellularly Localized Glycolytic Isoforms of Glucose 6-Phosphate Isomerase

Jianjian Guo

*CAR-Mast Cell Therapy for Solid Tumor**

Dazhi Li

Mechanisms of Lipid Transport and Scrambling in Cellular Membrane Dynamics

Tianshu Liu

A Possible Mechanism of Miwi2-Mediated DNA Methylation by De Novo DNA Methyltransferases

Rachel Amethyst McAllister

The Use of Native Mass Spectrometry to Capture Lipid Interactions of Peripheral Membrane Proteins: Application to Bruton's Tyrosine Kinase

Layla Marie Nassar

*Control of Lysosome Cystine Release in the Regulation of Cellular Stress**

CELLULAR AND MOLECULAR PHYSIOLOGY

DOCTOR OF PHILOSOPHY

Kathryn Citrin

*Multimodal Regulation of Endothelial-Dependent Atherosclerosis and Inflammation**

Ruben De Man

Combined MD/PhD Program

Cellular and Transcriptional Changes in Lung Aging

Brandon Thomas Hubbard

Combined MD/PhD Program

Development and Application of Q-Flux: Insights Into Liver and Renal Cortical Mitochondrial Metabolism

Victoria Rai

Immune Cell and Epithelial Cell Interactions in Autosomal Dominant Polycystic Kidney Disease

Thomas Eugene Zapadka

*Mechanisms of Retinal Ganglion Cell Dysfunction Following Optic Nerve Crush**

CHEMICAL AND ENVIRONMENTAL ENGINEERING

DOCTOR OF PHILOSOPHY

Darryl Marissa Angel

*Evaluation of Passive Sampling and Emerging Bulk Air Disinfection Technologies to Monitor and Mitigate Airborne Viral Exposure in Indoor Environments**

Yan Du

Aligning Water and Carbon Goals in Sustainable Transitions to Clean Energy

Brielle Januszewski

Selective Ion-Exchange Membranes for Electrodialysis Pretreatment of Brackish Water for High Water Recovery Reverse Osmosis

Shunran Li

Advanced Spectroscopic Techniques for Probing the Photophysical Properties of Metal Halide Perovskites

Aidan Francis Meese

*Smart Synthesis: Harnessing Electrochemistry to Enhance Catalytic Water Treatment**

Kevin Evan Pataroque

Reverse Osmosis Membranes in Ultrahigh Pressure and Hypersaline Environments: Measurements, Mechanisms, and Modeling

Fernanda Sulantay Vargas

Unpacking Crystal Nucleation: Classical Nucleation Theory on Non-Uniform Surfaces and the Role of Interatomic Potentials System

Camille Anisse Violet

Elucidating Mechanisms of Selective Ion Transport in Nanoporous Membranes

Zhanhong Xiang

Flame Characteristics of Bio-Derived Hydrocarbons and Hydrogen: Sooting Tendencies, Flame Visibility, and Pathways Toward Cleaner Energy

Junwei Zhang

Advancing Membrane Systems for Selective Ion Separation

Martina del Cerro

Advancing Membrane-Based Systems for Brine Management: Transport Mechanisms, Design Principles, and Applications

MASTER OF SCIENCE

Margo Makepeace Dietrich

Elena Jeanne Garza

Yutong He

Abby Grace Idiculla

Xinglun Sun

Jack Wang

CHEMISTRY

DOCTOR OF PHILOSOPHY

Brandon Cody Allen

Investigations of Allosteric Mechanisms in Proteins

Delmar Guido Azevedo Cabral

*An Atlas for Quantum Computing Utility in Chemistry**

Noah Bartfield

Total Synthesis of Securiflustra and Chartella Haloimidazole Alkaloids

Michael John Burke

Data-Driven O-PTIR Microscopy of Subcellular Phenomena

Rachel Lou LaVonne Cantrell

Divergent Syntheses of Clovane and Aminosterol Natural Products and Analogs

Davis Henry Chase

*Small Molecule Strategies for Advancing Selective Protein Modulation**

Mathew Jerry Chow

Development of Nuclear-Electronic Orbital Methods for Simulating Hydrogen Quantization in the Condensed Phase

Abbigayle Cuomo

Data-Driven Synthetic Planning: From Selectivity Prediction to Complexity-Aware Route Design

Taylor Lee Dover

*Synthetic Innovations Driven by Novel Ribosomal Reactivity**

Noah Jacob Gibson

*The Frumkin Isotherm Is a "Third-Step" Model for Non-Ideal Surfaces: PCET Reactions of Colloidal WO₃ and Microkinetic Modeling of Common Surface Mechanisms**

Sabrina Gulli Grunseich

Investigating the Sequence Requirements for Translation Initiation by Viral Internal Ribosome Entry Sites

Rong Guo

Discovery of Direct-Acting Small-Molecule RIG-I Agonists Through Creation of a Selective CARD Activation Platform

Payten Anne Harville

Unraveling Chemical Complexity, and the Hidden Dynamics of Ion Traps, Using Cryogenic Vibrational Predissociation Spectroscopy

Alec S. Hegg

The Influences of Redox-Active Ligands on Nitrogen Reduction Catalysts

Haotian Huang

Studies Towards Improving Ni-Catalyzed Cross-Electrophile Coupling Reactions

Jana Jelusic

Electrochemical Control of Active-Site Identity and Selectivity in Nitrogen Oxyanion Reduction

Katelyn Joy Laughon

Accelerated Many-Body Green's Function Methods for Electronic Spectra in Condensed Phases

Jaehoo Lee

Studies Towards the Total Synthesis of Xylogranin B

Jessie Jayne Mohsen

*The GndA Microprotein Supports ATP Homeostasis in Escherichia Coli During Heat Shock**

Jenna Cailin Cordial Molas

Transition Metal-Catalyzed N-H Functionalization for the Synthesis of Nitrogen Heterocycles

Anton Morgunov

Structure Precedes Quantity: Generative Foundations for Molecular Design and Synthesis Planning

Tyler Emery Myers

Application of Peptide-Based Organocatalysts in Asymmetric Catalysis

Andreas Peter Pablo Pintado-Urbanc

*Chromatin Silencing in Metazoans: Insights Into the Regulatory Roles of H4Kacme and H3K27me3**

Marcus Vinicius Pinto Pereira Junior

*Thiol-Catalyzed Asymmetric Hydrogen Atom Transfer Reactions**

Tianyin Qiu

Computation-Driven Mechanistic Investigation and Data-Driven Discovery of Transition Metal-Based Catalysts

Abhijit Rana

*Water-Mediated Proton Transfer in Microhydrated 4-Aminobenzoic Acid: Structural Characterization and Microcanonical Kinetics Using Cryogenic Ion Spectroscopy**

Anastasia Saar

Streamlining Drug Discovery With the Aid of Artificial Intelligence and Physics-Based Modelling

Juan Miguel Serviano

Development and Mechanistic Investigation of First-Row Transition Metal-Catalyzed Alkene Functionalization Reactions

Yu Shee

Machine Learning and Cheminformatics Methods for Retrosynthetic Planning

Anthony Michael Smaldone

Development of Quantum Machine Learning Methods Applied to Drug Discovery

Nicolò Tampellini

*On Atomistic Modeling and Asymmetric Catalysis: Stereocontrolled Synthesis by Design**

Maria A Vargas-Rivera

Visible-Light Mediated, Diastereoselective Epimerization of Endocyclic, Exocyclic and Acyclic Amines

Xiaoyuan Wang

Allosteric Modulation of Substrate Specificity in Protein Tyrosine Phosphatase 1B

Zechun Wang

Enantioselective Synthesis of the Monomeric Unit of (-)-Lomaiviticin A, Enantioselective Total Synthesis of (-)-Gukulenin A and Structure-Activity Relationship Studies of Gukulenins Analogues

Alexa Kim Williams

Quantification and Hydride Transfer Reactivity of Si-H Bonds at the Surface of Silicon Nanoparticles

Yanyu Zhao

From Amino Acids to Bioactive Small Molecules: Decoding Microbial Metabolites at the Host-Microbiome Interface

Linda Ann Zuckerman

Effects From Gold Electrode Immobilization and Polarization on Molybdenum Complexes and Their Conjugated Tethers

CLASSICS

DOCTOR OF PHILOSOPHY

Talia Boylan

Livy's Historiography of Roman Colonization

Amia Cherie Davis

Combined with History

Chaos Theory and Identity in the Roman Balkans (2nd - 7th C. CE)

Max Justin DuBoff

Combined with Philosophy

Epicurus's Ethics: Pleasure, Deliberation, and the Goal

Daniel Alejandro Graves

Combined with History

Thomas Jefferson: Ancient and Modern

Thomas Alexander Munro

*Postimperial Classics in the United Kingdom, 1956-2021**

Alejandro Ruben Quintana

Combined with History

*Mobility Makes History: Human Migration in Greco-Roman Egypt**

Nazim Can Serbest

Combined with History

*Historical Nature: Causality and the Environment in Herodotus, Thucydides, and Xenophon**

COMPARATIVE LITERATURE

DOCTOR OF PHILOSOPHY

Zoë Erika Elizabeth Burgard

Witness to Collapse: Early Modern and Modernist Fictions

Ryan Matthew Hintzman

Difficult Realities: Poetic Countertraditions in Premodern Japan, 960-1479

Stefan Lessmann

Sexuality as Adventure: Form, Experience and Dissidence in Twentieth-Century German and Hispanophone Fiction

Yahel Matalon

The Jewess Question: Biblical Murderesses and the Modern Jewish Women Who Rewrote Them, 1886-1927

Nikolas Y. Oktaba
Literature and Rhetoric Justifying Violence Between Poles and Ukrainians

Alexander Strzelecki
Hidden Affinities- Stateless Writers in Eastern Europe From the Russian Revolution Until Today.

COMPUTATIONAL BIOLOGY AND BIOINFORMATICS

DOCTOR OF PHILOSOPHY

Trevor James Brokowski
Towards Bridging the Innovation-Implementation Gap in Clinical AI: AI-Driven Tuberculosis Detection via Point-of-Care Ultrasound

Mingze Dong
*Modeling Single-Cell Data via Self-Supervised Deep Learning**

Tianyu Liu
Building Knowledge-Enhanced AI Co-Scientists for Biomedical Discovery

Jeff Daniel Mandell
Inference of Somatic Selection in Cancer: Methods and Applications

Yaroslav Markov
Decoding Heterogeneity in Human Aging: Omic Biomarkers of Age-Related Disorders

MASTER OF SCIENCE

Rishabh Anand

Vincent Matthew Angelo

Yong Yang Luis Chan

Jiapeng Chen

Ni Gao

Panayiotis Ketonis

Victoria Louise Krafft

Chang Li

Huihong Li

Zhicheng Luo

Sina Sina Ovali

Lining Pan

Deep Ramesh Patel

Yanjun Shao

Esha Sinha

Anvi Sud

Yuxuan Tian

Rui Wu

Zhiran Xie

Yaxi Yang

Andrew Joonsuh Yu

Haoran Zhang

Ruoyin Zhou

COMPUTER SCIENCE

DOCTOR OF PHILOSOPHY

Ferhat Erata

Learning Randomized Reductions for Security, Privacy, and Side-Channel Resilience

Nicholas C. Georgiou

Investigating Human Perceptions and Responses to Robot Failures Across Functional, Social, and Moral Contexts in Human-Robot Interactions

Namitha Godawatte Liyanage

Scalable Real-Time Decoding System for Quantum Error Correction

Richard Habeeb

Building a New Foundation for Critical, Time-Sensitive Systems: Security and Performance Through Enclaves

Simeng Han

From First Principles to Real-World Applications: Advancing LLM Reasoning From Logic to Law

Chengan He

Neural Representations for Digital Humans

John Charles Kolesar

Coinductive Proof Systems for Private Program Verification

Arthur Lazzaretti

*Sublinear Private Information Retrieval From Weak Cryptography**

Danqi Liao

Geometry-Aware Representation Learning and Generative Modeling

Caleb Malchik
Two Systems for User Control on the Modern Web

Kayla Marie Matheus
*Embodiment, Interactions, and Autonomy for Social Robots in Mental Health**

Anay Mehrotra
*Learning Theory in the Wild: Foundations of Missing Data and Language Generation**

Arthur Oliveira Vale
*A Compositional Account of Concurrent Objects**

Sherry Shiyu Qiu
Context-Driven Visualization Workflows for Biology and Medicine

Rebecca Ramnauth
Building Intelligent Robots for Social Regulation Therapy

Xiangru Tang
Agentic AI for Biomedical Discovery

Sydney Anne Thompson
Modeling Agent Associations in Human-Robot Interactions

Nathan Tsoi
Creating Socially Competent Mobile Robots: Rethinking How to Measure Success

Noah Vesely
Efficient Hash- and Lattice-Based Proof Systems for Mixed Algebras

Weijie Wang
Dynamic Zero-Knowledge Proofs and Their Applications

Yue Wu
*Real-Time Minimum-Weight Parity Factor Decoders for Quantum Error Correction**

Yanpeng Yu
*Efficient Memory Sharing Across Heterogeneous Processors**

Yu Zhang
*Building Certified Systems with Compositional Semantics**

MASTER OF SCIENCE

Xu Cai

Guangxing Cao

Tony Chang

Jonathan Chien Chang Chen

Peng Chen

Yanxin Chen

Zikang Chen

Mohammed Amaan Hasham Dhamaskar

Yisheng Gu

Jiashu Huang

Pranay Raj Kapoor

Nikhil Khandekar

Shantanu Kumar

Tingting Li

Xianhang Lin

Xingheng Lin

Weiqin Lucas Liu

Biniyam Loliso Lombe

Yanze Lyu

Yuwang Ma

Youxuan Ma

Siraphob Phipathananunth

Katherine Rimey

Yuzhe Ruan

Sadie Mae Shank

Ethan Gerard Smith

Jinghua Sun

Leslie Chee Hong Zhuang Wang

Ruoqing Wang

Jinbiao Wei

Boyi Xia

Yuhong Xia

Zheng Qi Xu

Tianzhen Yang

Boyu Yang

Xuantao Zeng

Pengpeng Zhang

Cixuan Zhang

Xinyuan Zhu

EARTH AND PLANETARY SCIENCES

DOCTOR OF PHILOSOPHY

Ashley Arroyo

Investigating the Seasonal and Interannual Evolution of Dissolved Oxygen in the Arctic Ocean's Canada Basin

Brian John Beaty

The Roles of Terrestrial Weathering and Marine Bioturbation in Shaping Earth's Surface Habitability Across Time

Kimberly Espinal

Origin and Evolution of the Northern Appalachian Anomaly

Anne Alicia Haws

Volatile Transport at Convergent Margins: Implications for Global Geochemical Cycles

Qinting Jiang

Acquisition of Hydrogen to Earth-Like Planets by the Solar Wind Radiation: A Possible Way to Get Water Within the Snowline During Planetary Formation

Zhiyuan Li

Understanding the Double-ITCZ Bias in Climate Models: From Ocean-Atmosphere Interactions to Future Climate Projections

Nicholas Lombardo

The Dynamics and Composition of the Middle Atmosphere of Titan

Dalton Meyer

*Exploring Squamate Evolution Through Focused Taxonomic and Anatomic Lenses: A Taxon-Character Approach to a Taxon-Character Problem**

MASTER OF ARTS

Kavya Agarwal

EAST ASIAN LANGUAGES AND LITERATURES

DOCTOR OF PHILOSOPHY

Eric Jose Coronel Esteban

Onna No Uta: An Epistemological Study of “The Woman’s Poem” in Japanese Poetics, 905-1298

Xueni Jin

*Cyborgian Modernity: Translation and Translatedness of Chinese Science Fiction**

Yen-hao Liao

Literature as Medial Thought: Rethinking Mediation in Early Modern China

EAST ASIAN STUDIES

MASTER OF ARTS

Nicholas Frank Brigati

Asena Tahir Izgil

Kira Rose Johansen

Minhee Kang

Daize Li

Haoyu Liu

Xinran Lu

Jingying Mo

Hejia Shen

Daniel Stein

Leshan Wang

ECOLOGY AND EVOLUTIONARY BIOLOGY

DOCTOR OF PHILOSOPHY

Henry Camarillo

The Evolutionary Dynamics of Form and Function

Anri Chomentowska

Integrating Life History and Ecological Adaptation: Evolution in the Desert-Alpine Plant Lineage Cistantheae

Shubham Sharma

Inferring the Niches and Distributions of Data-Scarce Species Using Phylogenetic Information in a Changing World

ECONOMICS

DOCTOR OF PHILOSOPHY

Carles Aules Blancher

Essays in Political and Public Economics

Davide Bordoli

Essays in the Economics of Information

Jingyi Cui

*Information and Matching in Digital Labor Markets**

Tianyu Fan

*Essays in Macroeconomics**

Cher Sien Samuel Ho

Matching and Stability Under Incomplete Information

Ruoxi Li

Essays on the Economics of Education

Ali Merali

Essays on the Economics of Artificial Intelligence

Christina Mei Qiu

Essays on Technology and Spatial Economics

Dana Annaliese Scott

*Essays on the Role of Non-Pay Amenities in the Labor Market**

Songyuan Teng

Essays on Innovation and Economic Growth

Tuyetanh Lam Tran

Essays on Industrial Organization, Urban Economics, and Innovation

Zhichun Wang

Essays in Industrial Organization and Urban Economics

Nicholas Wu

*Essays on Microeconomic Theory**

Yan Yan

Essays on Informational Lobbying and Trade Policies

Ziqing Yan

Essays on Labor Market Inequality

Chenping Yang

Essays on Macroeconomics and Information Frictions

Kan Yao

Essays in Panel Data Econometrics

ELECTRICAL ENGINEERING

DOCTOR OF PHILOSOPHY

Aosong Feng

Uncovering Graphical Correlations for Spatial–Temporal and Sequential Modeling

Chenziyi Mi

Nanoporous InP and Its Application in Short-Wave Infrared Vertical-Cavity Surface Emitting Lasers

Karthi Srinivasan

A System for Optimization and Synthesis of Asynchronous Circuits

Yufeng Wu

Superconducting Kinetic-Inductance Microwave-Optical Interfaces

Fengyan Yang

Optical Parametric Oscillators Based on Submicron-Poled Thin Film Lithium Niobate

Ruokai Yin

Efficient Computing Architectures for Asymmetric AI Workloads

MASTER OF SCIENCE

Arkapravo Ghosh

Donghyun Lee

ENGINEERING AND APPLIED SCIENCE

DOCTOR OF PHILOSOPHY

Neil Mahesh Bajaj

Design and Evaluation of a Three Degree-of-Freedom Powered Wrist Prosthesis

Alev Erin Baysoy

*Spatial Functional Genomics: Technology Innovation and Gene Regulation**

Abhiroop Bhattacharjee

Non-Ideality-Aware In-Memory Computing for Efficient Machine Intelligence

Sanjay Deshpande

Hardware Accelerators for Post-Quantum Cryptography - A Comprehensive Study of PQC Hardware Accelerators Belonging to Different Families

Maya L. Foster

Mapping Heterogeneity in Severe Mental Illness Using Neuroimaging Approaches

Andrew David Goetz

Cell State Dependent Strategies for Resolving Fundamental Properties of Ligands Via Receptor Processes

Bowen Hou

Toward a General Machine Learning Paradigm for Many-Body Effects in Quantum Materials From First-Principles Calculations

Alaaddin Ibrahimy

Quantitative PET Imaging for Drug Development and Targeted Cancer Therapy

Emmanuel Yaw Mintah

Cell Geometry and Motion in Mitosis, Confluent Monolayers, and Developing Tissues

Farrah Shalima Mohammed

Spatiotemporal Transcriptomics of Traumatic Brain Injury and Development of Membrane Nanovesicles for Edema-Targeted Therapeutics Discovery

Abhishek Moitra

*Cross-Stack Design Space Exploration for Energy-Efficient AI Systems**

Vatsal Vimal Patel

Mechanically Intelligent Designs for Robot Manipulation

Alejandro Rossello

The Collagen Foundry: Scalable Biofabrication for High-Performance Filaments, Yarns, and Tissue-Mimetic Constructs.

Yihao Song

High Responsivity Infrared Photodetection Based on III-v Semiconductors and Quantum Materials

Haoqing Su

Interface Engineering in Semiconductor Photochemistry: Protective Coatings, Operando Energetics, and Programmable Charge Utilization

Olivia Michelle Turk

Deoxymab-Gold Nanoparticle Conjugates: Harnessing the Deoxymab Mechanism for Targeted Brain Tumor Therapy

Yeshwanth Venkatesha

Resource-Aware Distributed Machine Learning: Unified Approaches for Private and Efficient On-Device Intelligence

Jiyao Wang

*Spatiotemporal Modeling and Analysis of fMRI-Derived Human Brain Function via Machine Learning**

Xiayuan Wen

Automation Tool for Operation-Dependent Desynchronization

Jie Xiang

Improved Cardiac Imaging Using Balanced Steady-State Free-Precession (bSSFP)

Daiyao Yi

Understanding and Quantifying Behavior for Unraveling Brain Function

Tal Zeevi

*Inference-Time Uncertainty Estimation in Deep Learning for Medical Image Analysis**

Yongxu Zhang

Bridging Behavior and Neural Activity: Neural Dynamics Leading to Self-Initiated and Task-Driven Movements

Yitong Zheng

Computational Modeling of Breast Cancer Invasion Into Adipose Tissue

ENGLISH LANGUAGE AND LITERATURE

DOCTOR OF PHILOSOPHY

Jessikah Michelle Díaz

The Poetics of Exhaustion, 1750-1830

Daniel Swain

Combined with Women's Gender and Sexuality Studies

Love Studies

Ciru Wanjiru Wainaina

No Subject Peoples: Caribbean English in Focus, 1930-1950

MASTER OF ARTS

Hamad Ben Eassa

Thobile Ndimande

ENVIRONMENT

DOCTOR OF PHILOSOPHY

Logan S. Billet

Exploring the Causes and Consequences of Ranavirus Epizootics in an Amphibian Metapopulation

Jesse Callahan Bryant

Computation and Nature in Conservative Society

Scott Matthew Carpenter, Jr.

The Pulse and Press of Change: Consequences of Shifting Climate Regimes and Extreme Events in Big Sagebrush Plant Communities

Andie Marusha Creel

Three Essays in Natural Resource Economics

Momoko Ishii

Combined with Engineering and Applied Science

Carbonate Chemistry and Carbon Dioxide Utilization: Electrochemical Synthesis of Dimethyl Carbonate and Metathesis Routes to Polycarbonates

Jinge Li

Three Essays in Climate Risk and Environmental Economics

Nathalie Sommer

From Individuals to Ecosystems: The Role of Intraspecific Variation and Phenotypic Plasticity in Ecosystem Function

Rory Stewart

*Fine Particulate Air Pollution Exposure Burden and Sociodemographic Health Disparities in the United States: Impacts from Energy Transitions and Temporal Variation in Mortality Risk**

Joseph Zailaa

Novel Methods for Understanding Stomatal Behavior in Response to Drought and Heat Stress

EUROPEAN AND RUSSIAN STUDIES

MASTER OF ARTS

Tetiana Kotelnykova

Christina Logvynyuk

Christina Christina Oh

Lydia Smith

FILM AND MEDIA STUDIES

DOCTOR OF PHILOSOPHY

Xueli Wang

Combined with History of Art

Performing Disappearance: Maggie Cheung on and Off Screen

FORESTRY AND ENVIRONMENTAL STUDIES

DOCTOR OF PHILOSOPHY

Thomas Baisley Harris

The Role of Policy and Industrial Reforestation in Carbon Sequestration and Protecting and Promoting Secondary Forest Regrowth: Quantifying and Modeling Benefits in the Mata Atlantica Forest of Brazil

FRENCH

DOCTOR OF PHILOSOPHY

Xinyu Guan

Shanghai Fiction: Literary, Cinematic, and Architectural Perspectives

Louise Dominique Moulin
Quand Le Livre Publie Le Théâtre: Auctorialité, Librairie, Réception (1624-1680)

Tiffany Premand
*Canonique Ta Mère! Rewriting The French Classics in The #MeToo Era**

Jeanne Mathilde Sauvage
*The Translator's Workshop: The French Invention of U.S. Literature**

GENETICS

DOCTOR OF PHILOSOPHY

Yasmeen Ajaj
The Functional Importance, Ultrastructure, and Topological Paths of Neutrophilic Nuclear Morphogenesis

Joseph Brancale IV
Combined MD/PhD Program
Integrating Genomics and Experimental Models to Uncover Mechanisms of Liver Pathobiology

Wilhemina Koomson
Identification of De Novo Germline Mutations and Causal Genes for Neurological Diseases Using Trio-Based Whole-Exome Sequencing in a Turkish Population

Chia-Yi Lee
Developmental Dynamics and Cell-Type-Specific Regulatory Activity in Human Microglia

Rebecca Frances Lee
Roles for the Planar Cell Polarity Pathway in Postnatal Intestinal Patterning and Architecture

Saejeong Park
Integrative Multi-Omics Analysis of Retinoic Acid-Mediated Gene Regulatory Networks Linking Prefrontal Cortex Development to Psychiatric Disease Risk

Shannon Rose Rainsford
Investigating How DNA Organization Contributes to Spermatogenesis and Zygotic Development

Michael Scandura
KIAA0319 Plays a Critical Role in Cortical Neuronal Maturation and Synaptic Development Through a Dyslexia-Associated Gene Network

Hadas Tal
Glycolysis-Induced Acidification Links Mitochondrial Deficiency to Axon Degeneration

Kaiyuan Tang
Multiplexed in Vivo Genome Engineering: Novel Cas12a Mice Platforms Development and Combinatorial CAR-T Screen

Haoming Yu
Functional Roles of Histone H3 Lysine 4 Methylation at Regulatory Elements

Eleanor Alice Zagoren
A Second Wave of Notch Signaling Diversifies the Intestinal Secretory Lineage

GERMANIC LANGUAGES AND LITERATURES

DOCTOR OF PHILOSOPHY

Aida Feng
Description's Displacements: Writing Experience in Musil, Benjamin, and Bachmann

Shira Malka Miron
*Composition and Community: Towards an Extra-Musical Imagination of Polyphony**

Marc Petersdorff
Serving Subjects - Oratorical Self-Representation in Deliberative Settings in Aristotle, Quintilian, Christian Weise, and Adam Müller

Samuel Steinmetz
In Terms of Theory

HISTORY

DOCTOR OF PHILOSOPHY

Bayan B. Abubakr
The Marketplace of Empire: Frontier Reform and the Making of Ottoman Sudan, 1840-1924

Joshua Aiken
Combined with African American Studies
*The Armed Individual: Race, Guns, Law and American Violence (1960-2005)**

Katherine Birkbeck
Public Arms and Private Armies: Militia Weapons, Gun Clubs and the Remaking of the United States

Elliott William Cramer
*Constituting Christianity: The Episcopal Church and the Law in Early Maryland, 1692-1816**

Lauren Crawford
*Antisemitism, Islamophobia, and the "War on Terror" in Germany**

Sophia Adele DeLeonibus
*Gender in the Age of Identity: Childhood and the Science of Sexuality in the Postwar United States**

Mariana Diaz Chalela
*Borrowing Out of Poverty: Credit and State Formation in the Making of Rural Colombia (1929-1975)**

Kristine Gronning Ericson
*Crafting Disaster: Environmental Simulation in the United States Since 1880**

Kevin Hoffman
*Economic Exchange and Resilience Strategies in the Early Medieval "Northern Sea," 400-670**

Eva Brooks Landsberg
The Politics of Sugar: Caribbean Roots of the American Revolution

Jacob Tzvi Morrow-Spitzer
*Worthy Citizens: Jewish Citizenship Politics in the Age of American State Transformation, 1850-1933**

Kelvin Ng
*Vernacular Equality: Migration and Political Thought Across Maritime Asia, C. 1918–1939**

Elizabeth Suzanne O'Neil
*The Science of Not Knowing: Systems Thinking between Vienna and the United States, 1900-1972**

Cristian Jose Padilla Romero
'Soñando en Un Futuro Mejor': U.S. Empire, Racial Capitalism, and Garífuna and Afro-Caribbean Radicalism in Caribbean Honduras, 1920-1963

Serena Christine Strecker
*Life Is Taught Better by Examples: Lutheran and Catholic Exemplars of Life, Death, and Beyond in Early Modern Europe**

Holden Ann Zimmerman
Japanese Women and Transnational Cooperation in the Global Development of Modern Red Cross Nursing, 1889-1939

MASTER OF ARTS

Nick Paul Gioia

Mina Mahdi

Isa Mercedes Rosario-Blake

Mara Carmella Santilli

Theodore Shepherd

Avital Haya Smotrich-Barr

Laila Zahra Vahed

HISTORY OF ART

DOCTOR OF PHILOSOPHY

Blair Katherine Betik
Altars on the Roman Frontiers: Ritual Objects in Real Space

Nicole Boyd
Four Perspectives on the Painted Architecture of Angelo Michele Colonna and Agostino Mitelli

Tung Chau
*Warmware: Cao Fei and Affective New Media in Post-Reform China**

Yagnaseni Datta

Images of Wisdom, Visions of Rule: Visual Translation and the Politics of Knowledge In the Mughal Jūg Bāshishhta, C. 1602

Michelle Catherine Donnelly

Outside the Workshop: Alternative Spaces of U.S. Printmaking, 1935–1977

Alex William Fialho

Combined with Black Studies

*Apertures Onto AIDS: Black Queer Photography and the Art History of the Storage Unit**

Caterina Franciosi

*Latent Heat: Art and Energy in Nineteenth-Century Britain**

Michaela Rachel Haffner

Nature Cure: The Visual and Material Culture of Natural Health and the Making of White Wellness

Kevin Hong

*Intimate Exposures: Critical Histories of Polaroid Photography**

Isabella Robbins

Combined with American Studies

Relationality and Being: Indigeneity, Place, and Transit in Global Contemporary Art

Stephanie Diana H. Wisowaty

Painted Processional Crosses in Late Medieval Italy (1250-1500): Production, Movement, and Mediation

Yusi Zhou

In the Company of Her Things: Women, Art, and Material Culture in Early Modern Batavia

Theo Adrien de Luca

Nicolas Poussin's Chronotopes

MASTER OF ARTS

Lucia Olubunmi Raliat Momoh

Combined with Black Studies

IMMUNOBIOLOGY

DOCTOR OF PHILOSOPHY

Nathaniel Dale Bachtel

Combined MD/PhD Program

Intestinal Mast Cell Control of Behavioral and Oral Anaphylactic Responses

Jessica Buck

Homeostatic CD8 T Cell Immunosurveillance of Proximal Colon Epithelial Cells

Jordan Joseph Cardenas

Investigating Novel Strategies of Overcoming Immunotherapy Resistance in Lung Cancer

Shuting Chen
Memory T Cells Enhance and Diversify Secondary GC Responses

Elsie Gonzalez-Hurtado
Combined MD/PhD Program
Neuro-Immune Remodeling of Adipose Tissue in Aging

Jillian R. Jaycox
Combined MD/PhD Program
Understanding Autoantibody Responses During Infection, Inflammation and Post-Viral Syndromes

Yawen Jiang
Mechanistic Insights Into Respiratory Tract Susceptibility in WHIM Syndrome

Valter Monteiro
Vaccine-Induced Immunity: Insights Into SARS-CoV-2 and Orthopoxvirus

Mytien Thi Nguyen
Combined MD/PhD Program
Mechanistic Insights Into Microbiota-Host Regulation of Gut Health and Autoimmunity

Julio Cesar Silva
Combined MD/PhD Program
Mucosal and Immuno-Endocrine Responses in Acute and Long COVID

Emily R. Siniscalco
*Mucosal Immunizations Generate Linked Local and Systemic Antigen-Specific Antibody Responses**

Yuchun Wang
Role of NRF2 and FMO Regulation in Mice Responses to Thiocarbonyl Toxicants

Timothy Allen Watkins
Drivers of Heightened Innate Immunity in Airway Epithelium

Sung Mo Yeon
Proteogenomic Profiling of Tumor Epitopes

Xiaohui Yu
Development and Application of Spatial Host-Fungal Sequencing Technology

Zhongyu Yuan
Non-classical Host Defense: IFN-gamma-induced GBPs in Hepatocyte Immunity

Kenneth Zhou
Noncanonical Cellular Regulation and a Novel Receptor for IgE

INTERDEPARTMENTAL NEUROSCIENCE PROGRAM

DOCTOR OF PHILOSOPHY
Hamid Ashraf Abuwarda

Combined MD/PhD Program

Tau-Connectome Predictive Modeling and Subtyping in Preclinical Alzheimer's Disease

Brendan Adkinson

Combined MD/PhD Program

Advancing Neuroimaging Brain-Behavior Machine Learning Biomarkers

Kathy Ayala

Fetal Movement and Maternal Neurodevelopment

Clayton James Barnes

The Spatiotemporal Dynamics of Neocortical Noradrenergic Release

Pasha A. Davoudian

Combined MD/PhD Program

Circuit and Cell Class Specific Effects of Psilocybin and Serotonergic Psychedelics

Kay Julia Ellison

Peripheral Mechanisms of Sensory Prioritization in Olfactory Behavior

Amanda T Jeng

Combined MD/PhD Program

Disruption of the RhoGEF TRIO in Neurodevelopmental Disorders Leads to Impairments in Multiple Domains of Function

Kristen KyungOak Kim

Nicotine Effects on Ventral Tegmental Area GABA Circuits and Reward Behavior

Violet Kimble

Neuroendocrine Regulation of Cocaine-Like Behaviors in Female Rats: The Role of Estradiol and L-Type Calcium Channels

Peiyu Liu

Temporal Credit Assignment and Strategic Behavior: Neural and Computational Perspectives on Reinforcement Learning in Primates

Gretchen Long

*Spatial Insights Into the Genetic and Epigenetic Landscape of Glioblastoma Invasion & Plasticity**

Paola Nicole Negron-Moreno

*Cingulate Dysfunction Underlies Altered Behavioral State Switching in a Shank2 Deficient Mouse Model: An Implication of Brain State Transitions as a Convergent Mechanism in Neuropsychiatric Disorders**

April Nicole Pruitt

Context-Dependent Estradiol Effects on Autism Spectrum Disorder Risk Genes

Jade Ivey Quillian

Neurocognition in Youth With Prediabetes

Neil Kanjibhai Savalia

Combined MD/PhD Program

Psychedelic Action on Dendritic Structure and Function

Alec Graham Sheffield
Dynamic Patterns of Information Flow in the Primate Ventral Stream

Alexa Soares
Limbic Circuit Control of Stress and Neuroinflammation

Tuanfeng Sun
Visual Experience Drives Functional Reorganization of Cortical GABAergic Circuits

Hao Wu
Investigating the Dendritic Calcium Dynamics in an Autism Mouse Model: Scn2a+/-

Qilong Xin
Modulating Visual Conscious Perception Through Direct Neurostimulation and Attentional Blink

Qian Xu
The 'Little Brain on the Heart' - Intrinsic Cardiac Nervous System - Is Essential for Cardiac Function and Survival Across Conditions

Chuyue Yu
Functional Dissection of Neuro-Cardiac Circuits in the Vagus Nerve

INTERNATIONAL AND DEVELOPMENT ECONOMICS

MASTER OF ARTS
Philips Ametsikor

Eric Francis Araujo

Lakshmi Adithi Bumanapalli

Xinyuan Cao

Zak Jacobs Cebon

Sila Cetiner

Jiaqi Chen

Zhi Ruo Joyce Chow

Linh Khanh Dinh

Baiwei Han

Zhiyuan Jiang

Roshan Kannan

Sean Jun Cheng Khong

Keita Koizumi

Yuki Konaka

Ii Koo

Yizhang Li

Yifan Li

Anannyabrata Mandal

Clair Kevin Nshimirimana

Fuyuko Onishi

Ayush Shahi

Valentine Marie Laur C Van Keerberghen

Lea Elise Wessel-Aas

Yuxiao Wu

Zihan Zhang

Tianyu Zheng

INVESTIGATIVE MEDICINE

DOCTOR OF PHILOSOPHY

Megan Leila Baker

Spatial Phenotyping of Immune Organization in Tubulointerstitial Kidney Disease: Disease-Specific Pathways to Shared Immune Architecture

Natalia Festa

*Investigating Nursing Home Federal Emergency Preparedness Compliance and Post-Disaster Outcomes**

Etienne Leveille

*Metabolic Determinants of Ferroptosis in B-Cell Malignancies**

Michael Oforu Mensah III

Patterns of Racial Triangulation Across Academic Medicine's Hierarchy

Catherine Mezzacappa

*Population Risk Stratification for Hepatocellular Carcinoma in Persons With Metabolic Liver Disease**

Christine Marie Miller

Epidemiologic and Immunologic Characterization of the Post-Acute Sequelae of SARS-CoV-2

Nadia Solomon

Postmortem Imaging to Investigate Disease Pathophysiology, Mechanisms of Injury, and Cause of Death

Anna Maria Sowa

Genetic Modifiers of Sickle Cell Disease: Uncovering Loci Associated With Chronic Pain, and Protective Heme Metabolism Pathways.

ITALIAN STUDIES

DOCTOR OF PHILOSOPHY

Roberto Ferrini

Humans, Nature, and Modernity in Sicilian Literature on the Risorgimento

Lydia Victoria Tuan

Combined with Film and Media Studies

Elemental Cinema: A Cinema of Separation

LAW

DOCTOR OF PHILOSOPHY

Beau Baumann

Recentering Congress in Administrative Law

Lauren O'Donnell Libby

*Federal Taxation as Governance (Three Articles)**

LINGUISTICS

DOCTOR OF PHILOSOPHY

Jeremy Blayne Johns

*Ge'e Tapial Taşogida 'O'odham Ñeo'oki'E-Da:mcuda**

Michael Carl Stern

*Dynamics of Articulatory Movement and Control Across Prosodic Contexts in English and Mandarin**

Ka Fai Yip

*Doubling Down on Exclusivity: Issues at the Syntax-Semantics Interface**

MASTER OF ARTS

Ayla Karakas

MANAGEMENT

DOCTOR OF PHILOSOPHY

Adam Callister

Three Essays in Law and Finance

Yen-Shao Chen
Shaping Opinions in Social Networks

Hemanshu Das
Essays in Education Operations

Ping Gong
International Mutual Recognition Agreements for Accountants

Andrew Luis Granato
Essays in Law and Finance

Dennis Holding Jacobsen
Bound by the Ordinary: Network Dynamics That Entrench the Status Quo

Soonbong Lee
*Platform and Policy Design for Social Good: Modeling and Data-Driven Algorithmic Approaches**

Sangwoo Lee
Sequential Content Consumption on Digital Platforms

Zikun Liu
*Essays in Quantitative Marketing**

Pengcheng Liu
Three Essays in Financial Economics

Tianshu Lyu
Essays on the Real Effects of Public and Private Financial Markets

Myung Jin Shin
Return on Experience: How Consumers Protect and Extract Value Over Time

Huifeng Su
Essays on the Operation of Health and Human Services

Bu Deul Yang
Three Essays on Overcoming Challenges Faced by Frontline Professionals in Healthcare: Ethnographic Evidence for Improving Frontline-Driven Change, Voice, and Algorithm Use

Laiyi Yin
When Failure Goes Public: Evidence From the American Inventor Protection Act

Daojing Zhai
Essays on Government Debt and Unconventional Monetary Policy

MASTER OF ARTS
Eunice Han Eun

Yin Li

MATHEMATICS

DOCTOR OF PHILOSOPHY

Joakim Asger Faergeman

*Contributions to the Geometric Langlands Program**

Mengwei Hu

Geometry of Anti-Poisson Involutions in the Deformations and Resolutions of Kleinian Singularities

Dongryul Kim

*Rigidity of Kleinian Groups via Dynamics on Higher Rank Spaces**

Thi Hong Nhung Pham

PDE Approach to Convex Hull Peeling

Phuc Phuc Tran

New Perturbation Bounds of Eigenspaces via Combinatorial Expansion: Beyond Davis-Kahan Theorem and Applications

Haoyu Wang

Random Matrices and Statistical Inference With Correlated Structures

MECHANICAL ENGINEERING

DOCTOR OF PHILOSOPHY

Evan Willmarth

Identifying Defects in Amorphous Solids

MASTER OF SCIENCE

Oluwanifemi Ayobami Akinlawon

Kyle James Blanset

Jiayu Hu

Yuang Lu

Ziyu Pan

Yubing Wang

MECHANICAL ENGINEERING AND MATERIALS SCIENCE

DOCTOR OF PHILOSOPHY

Salena Huang

Solidification of Binary Alloys Far Away from Equilibrium

Will Richard Johnson III

Impact-Resistant Tensegrity Robots for Unstructured Environments

Stephanie Joy Woodman
*Enabling Closed-Loop Shape Morphing for General Shape-Changing Robots**

MASTER OF SCIENCE

Francesca Afruni

Michael Vishal Bhopaul

Tianhui Chen

Jessie Kate Cowling

Juan Pablo Hernandez Gutierrez

Xinshu Hu

Wenhao Huang

Justin Jadali

Nanxin Ji

Ao Jiang

Jiaming Liu

Manning Healey MacAvoy

Dong Wang

Zhuoran Wu

Zijun Zhao

MEDIEVAL STUDIES

DOCTOR OF PHILOSOPHY

Maia Ruth Béar

Warm Life, Cold Stones: The Effigial Tomb in Late Medieval English Literature

Megan Renz Perry

Cræfting the Assembly: Political Vision in the Age of Alfred

Rachel Wilson

Anglo-Norman Autograph Manuscripts and the Material Production of Historical Thought

MICROBIOLOGY

DOCTOR OF PHILOSOPHY

Rebecca Isabel Colón Ríos

Genetic and Chemical Analysis of Pseudomonas Aeruginosa Metabolites That Target Pathogenic Free-Living Amoebae

Jeffrey Kardas Duncan-Lowey

Combined MD/PhD Program

*Characterization of the Coxiella Burnetii Deubiquitinase EmcB as a RIG-I Inhibiting Effector**

Liam Dullea McDonough

Regulation of Peptidoglycan Hydrolysis in Mycobacteria

Mario Alberto Pena-Hernandez Sr.

*Defining Determinants of Coronavirus Pandemic Potential**

Helen Margaret Stone

Impacts of Environmental and Evolutionary Context on Phage-Bacteria Interactions

Lucas Weba Soares Sr.

The Biological, Biochemical and Evolutionary Properties of the raiA RNA Motif in Bacteria

MOLECULAR BIOPHYSICS AND BIOCHEMISTRY

DOCTOR OF PHILOSOPHY

Halie Adesin Sonnenschein Bell

RASA3 Identified as a Potential Effector of the Brain G Protein G alpha, by Mass Spectrometry

Melissa Guadalupe Carrizales

Genetic Variants Linked to Neurodevelopmental Disorders Within the Beta3-Beta4 Loop of the TRIO PH2 Domain Release Autoinhibition of TRIO GEF2 Activity

Christian Fagre

Development of a Method for Quantitative and Comprehensive Mapping of RNA Pseudouridylation

David Alexander Flesher

*Studies on the Structural Basis of Oxygenic Photosynthesis**

Sara Grace Gelles-Watnick

Subcellular Partitioning of Proteins in Cajal Body Formation and Herpesvirus Infection

Tanja Beatrice Hann

*Regulatory Roles of RNA Structure in Gene Expression and Viral Infection**

Olivia Katherine Hunker

License to Replicate: Elucidating Molecular Mechanisms of Metazoan DNA Replication Origin Licensing

Januka Khanal

Deciphering the Phenotypic Switch of Glioblastoma Cells

Jinchan Liu

*Hydrogen Bonds in Concert: How Water Dynamics Orchestrate Photosynthetic Water Oxidation**

Seth Eugene Lyon
*OLE RNA Is a Component of a Large Particle that Promotes Bacterial Growth Under Diverse Stresses**

Marisa Michalchik
Kinetic and Thermodynamic Analysis of ENPP1

Max Edward Paul
Regulation of RasGAP Family Activity by Conserved C2 Domain Interactions With Ras

Zion Ruth Perry
Computational and Experimental Investigations of Noncoding RNA Structures

Anjana Rajkumar Kammath
Delineating the Hierarchical Self-Assembly of the Squid Iridocyte Protein

Sara Ann Siwiecki
The Unexpected Biochemistry and Biophysical Structure of Extracellular-Matrix-Dominant Ctenophore Bodies

Michael Brandon Vetick
Combined MD/PhD Program
Structural and Functional Analysis of Translation Inhibition by Betacoronavirus Non-Structural Protein 1

Kimberly Jean Vish
Molecular Investigation of Signaling Molecules Involved in Cerebrovascular Disorders

Isaac William Vock
*Extending and Improving the Study of Gene Expression Regulatory Mechanisms**

MOLECULAR, CELLULAR, AND DEVELOPMENTAL BIOLOGY

DOCTOR OF PHILOSOPHY
Peter Nicholas Ciaccia
*Programming Cell States With eMAGE and Engineered Allosteric CRISPR Effectors in *Saccharomyces cerevisiae***

Dorothy Fang
Investigating the Regulation of N1-Methyladenosine in Human mRNA

Yiqun Jiang
Coordinated Wnt and SHH Signaling in Hair Follicle Mesenchyme Development and Regeneration

Arcadia June Kratkiewicz
Chromatin Regulation of Planarian Stem Cells

Qiao Li
Investigation of How Long Noncoding RNA Pvt1 Regulates Myc Expression

Jeremy Philippe Moore
*Chemosensory Variation Within and Across Bacterial Species**

Laura Beth Quinto
Development of Genome-Scale Technologies for Writing and Recoding Cyanobacteria

Anabel Yasmin Schweitzer
*Engineering Human Genomes Through Multiplexed Precision Base Editing and Temporally Controlled CRISPR Systems**

Morgan Michelle Vanderwall
PP2-A13 Function in Protein Quality Control and Plant Fitness During Prolonged Darkness

Shenqi Wang
Discovery of Plant Secondary Metabolism Through Computational and Synthetic Biology Technologies

Wenxin Yuan
Exploration of the Mechanisms Regulating Genomic Stability in Plants

Sijin Zheng
Combined MD/PhD Program
Reverse IMiD Screen Identifies ZBTB7A Degradation with Fetal Hemoglobin Induction Effects and Anti-Tumor Effects in Colorectal Carcinoma

Guoyu Zhu
The Independent and Redundant Roles of Tbx16 and Msn1 in Mesodermal Differentiation

MUSIC

DOCTOR OF PHILOSOPHY

Allison Chu
*Documentary Opera: Twenty-First Century American Performances of Race and the Archive**

Taryn Lindsay Dubois
Dancing Modernity: Ballo Grande in Late Nineteenth-Century Milan

Aine Marie Palmer
The Chansonnier Cangé: Mensural Notation and Music Inscription in a 13th-Century Songbook

Alec Wood
Sound, Somnambulism, and Subjectivity 1760–1830

NEAR EASTERN LANGUAGES AND CIVILIZATIONS

DOCTOR OF PHILOSOPHY

Ghayde Ghraoui
Late Adab: The Classical Arabic Anthology and the Ends of Literary History

Mike Robert Tritsch
Community Religion in Ancient Egypt: An Archaeological and Epigraphic Approach

MASTER OF ARTS

Josh Granville Jacobs II

NURSING

DOCTOR OF PHILOSOPHY

Samuel Akyirem

Type 2 Diabetes Stigma and Its Association With Hemoglobin A1c in Ghana: An Analytical Cross-Sectional Study

Elizabeth Choa

Mental Health Disparities from Climate Change: Age Differences and Structural Drivers Across California

Laura Lee Manzo

Associations Between Mental Health Conditions and Adverse Pregnancy Outcomes Among Active-Duty Servicewomen

Na Ouyang

*Exploring Communication in Pediatric Oncology and Parental Bereavement Outcomes: A Mixed Methods Study**

Yan Zhan

*Psychosocial Distress, Physical Symptoms, Resilience and Health-Related Quality of Life in Women With Metastatic Breast Cancer**

PATHOLOGY AND MOLECULAR MEDICINE

DOCTOR OF PHILOSOPHY

Xiangyu Ge

Molecular Mechanisms of KRAS Regulation and Resistance in Pancreatic Ductal Adenocarcinoma

Carolyn Kravitz

The H3K36 Demethylase KDM2A Is a Multifunctional Regulator of Non-Small Cell Lung Cancer Metastasis

Deanne Elise Yugawa

Combined MD/PhD Program

Overcoming Therapeutic Challenges in Pancreatic Cancer: Insights From Biomarker Analysis and Splicing Regulation

PERSONALIZED MEDICINE AND APPLIED ENGINEERING

MASTER OF SCIENCE

Maile Adams

Haley Marit Bolton

Zach Alexander Bromet

Rhea Chatterjee

Christopher Patrick Curry

Louis Fabrizio Forgione

Justin Gonzalez

Omar Omar Hossain

Ibrahim Bin Huzaifa

Tia Ketsan

Avani Khatri

Matthew Kihiczak

Xinran Li

Miranda Liu

Kennedy Munz

Allison O'Donnell

Isabella Nicole Paoletti

Olivia Giovanna Porcaro

Alexia Erika Quinn

Clotilde Emma Roesch

Alana Rose Safian

Yelena Silvia Schwartz

Ayana Mala Shrestha

Natasha Wan

Si Wong

PHARMACOLOGY

DOCTOR OF PHILOSOPHY

João Victor Teixeira Gomes

Structural Basis of Fructose Recognition by an Insect Gustatory Receptor

PHILOSOPHY

DOCTOR OF PHILOSOPHY

Harry Reginald Lloyd

*Moral Uncertainty and Bargaining**

Jake Rohde

Combined with Classics

Being as Doing in Aristotle: Metaphysics Theta 8 and De Anima II.5, and III.7

PHYSICS

DOCTOR OF PHILOSOPHY

Karan Nikhil Bhatia

Bosonization and Fermionization of Categorical Symmetries

Sierra Lisa Cantway

Probing Jet Hadrochemistry Modification with Measurements of Identified Particles in Jets and the Underlying Event in pp and Pb–Pb Collisions with ALICE

Rachel Ann Cooper

Individual-Level Large-Scale Circuit Modelling of Human Cortex

Zhengkao Ding

Quantum Control of an Oscillator with a Kerr-Cat Qubit

Mark Christopher Gonzalez

Detectorology and Its Phenomenological Applications

Chitres Guria

*Measuring the Geometry and Topology of Non-Hermitian Systems**

Pavel Kurilovich

Unwanted Transitions of a Superconducting Qubit Induced by Microwave Drives

Joseph Dominicus Lap

Approaches to Strongly-Coupled Field Theory

Heraclitos Maximos Lefcochilos-Fogelquist

Characterizing and Modeling Spectral State Dynamics in Human Cortex

Matthew Stephen Mitchell

Precision Bootstrap Studies of Fermions and Stress Tensors in Conformal Field Theories

Lianghui Peng

Adaptation of Learning Dynamics and Feature Representations via the Neural Kernel

Ananya Rai

Unveiling the Structure of the Perfect Superfluid Using Correlation Functions

Kirsty Marie Scott
Insights Into Unconventional Superconductivity: A Spectroscopic Investigation of Intertwined Electronic States

Derek Milo Sherry
Lattice Ultrasensitivity in Bacterial Chemotaxis

Benjamin Hawkins Siegel
Arrays of Optomechanically Levitated Microspheres

Youqi Song
Probing Non-Perturbative QCD with Jet Substructure Measurements at STAR

Andrew Christopher Tamis
Measurement of Energy Correlators Within Jets at STAR

Gabriel Gustavo Theilacker Assumpcao
Thermodynamics and Dynamics of Quantum Fermi Gases in a Piston of Light

Xiaojia Xu
Non-Equilibrium Pattern Formation in a Living Cell

Xinping Yang
Topological Phases Enriched with Fusion Category Symmetries

POLITICAL SCIENCE

DOCTOR OF PHILOSOPHY

Haley Ann Allen
Repressing the Resistance: The Police and the Military in Authoritarian Regimes

Ameetosri Basu
Formal Models of Informality: Essays on Commitment, Capture, and Clientelism

Cristian Cerero Guerra
Friend or Foe: How Criminals Shape State Service Provision

Ekin Dursun
Venues of Exchange and the Politics of Religious Welfare in Turkey

Natalie Ines Hernandez
Representation and Abortion Policy in the Post-Roe United States

Austin Yujin Jang
*Combined with Statistics and Data Science
Essays on Diagnostics for Quantitative Methods*

Yaqing Lan
Mitigating Investment Risk Under Weak Rule of Law: The Types and Strategies of Chinese Entrepreneurs in Tanzania

Colin Patrick Moreshead
Mediating Power: How Hybrid Media Disrupts Elite Messaging in Japan

Eliza Riley Oak
Institutions for Online Governance: Field Experimental Studies of Participation, Incentives, and Deliberation

Nicholas Ottone
The Policy Influence of Non-Profit Service Providers

Deepika Padmanabhan
Everyday Language: Navigating the State and the Nation in Southern India

Melissa Pavlik
*Producing Precarity: Non-State Alliances, Informality, and Repression Through State Restraint in the Lagos Informal Transport Industry**

Ryan Pike
Greening in Groups: Essays on the Political Geography of Industrial Decarbonization

Eric Gordon Scheuch
The Nature and Origins of Climate Public Opinion

Alexander B. Trubowitz
Trade Unions and the Challenge of Technological Displacement

Jinghong Wang
Activists in Time: How Ordinary People Make Meaning of (Political) Life

PSYCHOLOGY

DOCTOR OF PHILOSOPHY

Mario Enrico Belledonne
*Adaptive Algorithms of Human Visual Attention: Steps Towards Bridging Experience With Computation**

Erica Lindsey Busch
*Understanding and Enhancing Human Cognition Along Neural Manifolds**

Megha Chawla
*From Expectation to Evaluation: Gendered Norms in Moral Judgment**

Emily Meryl Cohodes
*A Dimensional Approach to Assessing the Effects of Early-Life Stress on Mental Health Across Development**

May Isabella Conley
An Ecological Approach for Understanding the Influence of Threats in Youth's Social Environments

Hope Marie Harrington
Updating Impressions of Incarcerated People

Hanna Keller Hillman
Motor Working Memory

Will Nichols Koller

The Temporal Dynamics of Memory and Learning in Psychosis Proneness

Arin Korkmaz

*Impressions Contain Multitudes: Evaluative Inertia, Updating, and Lingering Impressions After Learning About Others**

Yuchen Liu

Conceptualizing Emotions in Relational Contexts: From a Naturalistic, Dynamic, and Cross-Cultural Lens

Annalise Margaux Perricone

Distrust of Psychotherapy for Biologically Explained Mental Disorders: A Validation of Beliefs Underlying this Distrust and Interventions to Mitigate this Distrust

Noah Thomas Reed

Striving Socially for Belonging

Emily Grace Ritchie

Spaced Learning Approaches to Attitude Change: Impressions of Individuals, Outgroup Prejudice, and Policy Endorsement

Amanda Royka

*Monkeys and Mindsharing: An Exploration of the Unique Power of Human Theory of Mind**

Sifana Sohail

Relevant and Irrelevant Advantages: How Adults and Children Evaluate the Use of Leverage in Bargaining Contexts

Juliana Elizabeth Trach

*Dynamics of Hierarchical Cognitive Representations in Action Selection and Cognitive Control**

PUBLIC HEALTH

DOCTOR OF PHILOSOPHY

Jose Miguel Aravena Castro, Sr.

*Reducing Dementia Risk by Identifying and Promoting Social Determinants: A Multi-Site and Multi-Method Study**

Catherine Chantre

Conflict-Related Displacement Trauma, Post-Migration Stressors, and HIV Risk Among Internally Displaced Young Adults in Northern Mozambique

Mata'uitafa Faiia

Understanding the Cardiometabolic Health of Adolescents in American Samoa

Abigail M. Girgis

A Multilevel Approach to Understanding and Advancing Progress Across the Cervical Cancer Care Continuum in the Era of Elimination

Jiaqi Hu

Identifying Multi-omic Pleiotropy for Complex Diseases

Yue Hu

Incorporating Environmental Information Into Genetic Studies of Psychiatric Disorders

Marie-Fatima Kado Hyacinthe

*Movement Public Health: Addressing the Links Between Public Health and Carceral Systems**

Jiye Kwon

Integrating Genomic and Epidemiological Data to Inform Vaccine Design and Evaluation

Yining Li

Delineating Asthma Heterogeneity Through Genetic Pleiotropy Analyses Between Asthma by Age at Onset and Lung Function

Zexiang Li

New Statistical Methods for Measurement Error Correction Under the External Validation Study Design

Chen Lin

Identifying Quantitative Trait Loci of Genetically Regulated Molecules to Reveal Biological Mechanisms in Complex Traits

Melody Anne Owen

Methods for the Design and Analysis of Cluster Randomized Trials With Multiple Outcomes and Multi-Component Interventions

Yuting Qian

Does Dementia Diagnosis Matter? Evidence of Disparities and the Impact of Diagnosis on Health and Economic Well-Being Among US Older Adults

Katerina Maria Santiago

Role of Sleep-Wake Characteristics and Occupational Exposures on Colorectal Cancer Risk

Alexandra Savinkina

Vaccination Strategies for Emerging Infectious Diseases: Modeling Vaccine Allocation and Impact in COVID-19 and Mpox

Xinyi Shen

Unveiling Sex-Specific Differences in Cancers: A Bioinformatics-Guided Investigation of Metabolism, Therapeutic Targets, and Host Microbiome

Joseph Walker

Mathematical Modeling to Support the Control of Typhoid Fever

Leqi Xu

*Advancing Polygenic Risk Prediction: Integrating Information Across Populations, Methods, and Health Records**

Xiangyu Zhang

*Leveraging Multi-Omics Data and Functional Annotations to Identify Causal Genomic Features for Complex Traits**

MASTER OF SCIENCE

Suhyun An

Hongyuan Bi

Yuwen Cao

Pitchaya Chairuengjitjaras

Yuan Chang

Xingyue Chen

Junyi Chen

Yiyang Chen

Zehao Chen

Yang Cheng

Anna Tiffany Efstade

Fangxuan Fan

Yihang Fu

Haonan Gao

Jiayi Hou

Yifan Huang

Yayan Jiang

Zhuoyuan Jiang

Tianyue Jiang

Wengyao Jiang

Xiao Lei

Siyun Amie Li

Yiru Li

Xinnuo Li

Ruoxuan Li

Di Li

Jinping Liang

Lixing Lin

Lihao Liu

Qiuyi Lu

Tianyang Lu

Guyue Luo

Aile Ma

Ameesha Masand

Maiyier Muheyati

Gustavo Nativio

Anna Novoselov

Yuqi Pang

Mengyuan Pei

Yining Qian

Bailey Reutinger

Rie Sakai

Meixuan Song

Marvin Emmanuel Suarez-Pimienta

Qianzhe Sun

Yu Sun

Xinhao Sun

Zhuo Tao

Amber Sydney Tran

Hanyu Wang

Quanming Wang

Xinyu Wang

Jiayi Wang

Mengyao Wang

Zhiyu Wang

Joyce Wu

Mengshan Wu

Yaixin Xiao

Zhehao Xing

Zian Xu

Rongwei Xu

Jinglin Xu

Yumeng Yan

Tsz Pui Yeung

Hongyi Yu

Zixian Yu

Arianna Yiyue Zhang

William Zhonghan Zhang

Shujie Zhang

Qize Zhang

Jianing Zhang

Xiaowei Zhou

RELIGIOUS STUDIES

DOCTOR OF PHILOSOPHY

Iman AbdoulKarim

Combined with African American Studies

*Knowledge From Self: Twentieth Century Black Muslima Thought**

Lisa Beyeler-Yvarra

New Dispensations: Catholic Property, Global Capital, and the Making of the Transpacific Combined with Architecture

Kavya Bhat

Image of the Inexpressible: Augustine's Analogical Discourse on Death and the Resurrection

Tatyana Castillo-Ramos

Monumental Friendship: Friendship, Militarization, and Religion at the San Diego-Tijuana Border

Samuel David Jenkins Ernest

Fratriphilia: Kevin Gordon, Tim Dlugos, and the Making and Unmaking of Gay Lives and Gay Theologies

Dustin Jarod Gavin
Combined with African American Studies
Black Femme Poetics: HBCU Majorette Dance and the Art of Reading

Jon Paul Lapeña
Ancient Vices, Clinical Diseases: Assembling the Addict in the Ancient Mediterranean

Iljea Lee
Attā, Anattā, and the Skandhas: The Ascetic Teaching of Non-Possession in the Buddhist Sūtras

Sang Wuk Lee
Medicine and the Making of Heresy: Managing Difference in Early Christianity

Julia Christine Nations-Quiroz
Late Ancient Martyr Iconographies and the Making of a Christian Viewer

Jane Drake Nichols
The Gifts of God for the People of America: Theology, Subjectivity, and Christendom in the Ecclesiology of Bishop William White

Ahmed Tahir Nur
*Ottoman Epistemology: Taşköprüzade's (D. 968/1561) Miftāḥ Al-Sa'āda and the Perspectival Turn in the Classifications of the Sciences**

Alison Rose Renna
Modes and Conditions of Existence: Trans-Science and Conscience in Ecology at the Oak Ridge National Laboratory, From 1942 to 1990

Hannah Joy Stork
*Untying Tongues: Language Change, Linguistic Ideologies, and the History of the Syriac Language**

Edward Watson
Shadows of Grace: Theology, Race, and Conceiving Christian Difference

SLAVIC LANGUAGES AND LITERATURES

DOCTOR OF PHILOSOPHY

Fiona Bell
*Russian Forms: Race, Sex, and the Making of Russian Literature**

Liliya Dashevski
Playing With Culture: Material Worlds of Childhood in Nineteenth Century Russia

Alana Christine Felton
Futurecraft: Technologies of Belarusian Resistance

John Webley
Combined with History of Art
*Ink, Paint, and Blood: India and the Great Game in Russian Culture**

SOCIOLOGY

DOCTOR OF PHILOSOPHY

Meera Choi

*The Rise of Heterosexual Refusal? Gender Politics and Family Change in South Korea**

Keitaro Okura

*The Social and Symbolic Boundaries of U.S. National Membership**

Carlo Dorothea Sariego

Combined with Women's Gender and Sexuality Studies

Critical Fertilities: Trans Desire, Race, and the Politics of Reproductive Possibility

Yining Yang

*Three Essays on High-Skilled Immigration to the United States**

SPANISH AND PORTUGUESE

DOCTOR OF PHILOSOPHY

Yelsy Hernández Zamora

Combined with Renaissance Studies

Staging Afterlives: Women, Death, and Commemoration in the Early Modern Iberian World

Rafael Silva Lemos

Elaborações Sincréticas: Os Escritos Etnográficos De Mário De Andrade and Zora Neale Hurston

STATISTICS

MASTER OF ARTS

Daniel J. King

Hao Pan

Ben Harris Thorpe

Liya Xiang

STATISTICS AND DATA SCIENCE

DOCTOR OF PHILOSOPHY

Megan Kathleen Ayers

Causal Inference for Environmental and Text-Based Interventions

Xinyang Hu

The Statistical Foundations of Prompting With Large Language Models

Zhehao Xu

Diffusion Models and Rectified Flow: Statistical Estimation and Optimal Transport

Yingxi Yang

From High-Dimensional Bayesian Inference to Generative Models: Information, Computation, and Optimality

MASTER OF SCIENCE

Xinyan Deng

Jing Fang

Benedikt Fadel Farag

Chi Hang

Jialu Huang

Mingda Li

Zixin Qu

Zuxiang Shang

Elisa Sophie Sommer

Yuchang Tian

Jingyu Wang

Steven Ward

Brian D. Xiang

Hantao Zhang

TRANSLATIONAL BIOMEDICINE

MASTER OF SCIENCE

Katherine Sophia Benitez