



Yale University
Graduate School of Arts and Sciences

Degree Bulletin
December 2023 & May 2024

DEGREES GRANTED, DECEMBER 2023 AND MAY 2024

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

AFRICAN AMERICAN STUDIES

DOCTOR OF PHILOSOPHY

Stephane Andrade
Combined with Sociology
Contempt: Race, Fatherhood, and Punishment in an American City

William Glasspiegel
Combined with American Studies
Geometry of a Ghost: Chicago Footwork and the Sound System Continuum

Alycia Hall
Combined with History
Strategic Ties: Family, Land, and Plantation Connections in Maroon Jamaica

Micah Jones
Combined with History
The Price of Freedom: Race, Consumption, and the Long Black Freedom Struggle, 1915-1964

Demar Lewis
Combined with Sociology
Black Ideologies on Community Safety in the 20th and 21st Centuries

Alexandra Thomas
Combined with History of Art
Afrekete's Touch: Black Queer Feminist Errantry and Global African Art

AFRICAN STUDIES

MASTER OF ARTS

Brad Brockman

Juliet Oware

Abigail Reynolds

Xu Zhang

AMERICAN STUDIES

DOCTOR OF PHILOSOPHY

Emily Coates
*Science Dances: Choreographies on the Edge of Knowledge**

Lucero Estrella
Building Interethnic Borderlands: Japanese-Mexican Relations and Memory-Making in Texas and Mexico, 1907 - Present

Ellen Louis
The Psychic Landscape of Slavery: Modern Consciousness and Damning Attachments

Aanchal Saraf
Atomic Afterlives, Pacific Archives: Unsettling the Geographies and Science of Nuclear Colonialism in the Marshall Islands and Hawai'i

Jacinda Tran
Search and Destroy: Southeast Asia/ns Through the Lens of U.S. Visual Warfare

ANTHROPOLOGY

DOCTOR OF PHILOSOPHY

Bukhchuluun Dashzeveg
Bronze Age Prone Burials of the Mongolian Gobi Desert: An Anthropological Study of Mortuary Traditions

Chelsea Fitzgerald
Hemp and the Politics of State Care for Rural America

Bhoomika Joshi
*Attachments to Hurt: The Intimate Economy of Mobility and Enterprise in the Indian Himalayas**

Vanessa Choo Sze Koh
Combined with Environment
*On the Ground: Land, Sovereignty, and Terraformation in Singapore**

Souvanik Mullick
*Democracy in Motion: Livelihoods, Politics, and Small
Transport Operators in Delhi, India*

Jacob Welch
*Ancient Maya Labor Relations: Building a Palace at
Ucanha, Yucatan, Mexico*

APPLIED MATHEMATICS

DOCTOR OF PHILOSOPHY
Abhinav Bhardwaj
Random Matrix Perturbation: Entry-Wise Analysis

APPLIED PHYSICS

DOCTOR OF PHILOSOPHY
Spencer Diamond
*Quasiparticles and Charge-Parity Switching in Transmon
Qubits*

Alec Eickbusch
*Quantum Control and Error Correction of Grid States in a
Superconducting Oscillator**

Sumita Ghosh
*Harnessing HAYSTAC for Hidden Photons and Advancing
Rydberg Atom-Based Axion Detection*

Yiqi Wang
*Manipulating and Measuring States of a Superfluid
Optomechanical Resonator in the Quantum Regime**

Yishu Zhou
*Developing Electro-Optomechanical Systems for Novel
Silicon Photonic Devices*

ARCHAEOLOGICAL STUDIES

MASTER OF ARTS
Sarah Alshayban

Yuran An

Isabel Heslin

Bridget Parry

Sophia Slotwiner-Nie

Kathryn Streitz

Tianrui Xu

ARCHITECTURE

DOCTOR OF PHILOSOPHY
Phoebe Ledins
*A Novel Interdisciplinary Design Framework Incorporating
Plant-Associated Microbial Metabolisms to Shape Indoor
Environmental Quality*

Zachariah Michielli
Making Time: Boredom and the Infrastructure of Modernity

Mandi Pretorius
*Reimagining Built Ecologies: Novel Framework for Solar-
Water Building Envelope Systems for Year-Round Water
Security, Thermal Management, and Daylighting*

Aaron Tobey
*Drawing Management: Corporate Organization,
International Practice, and the Making of Computer Aided
Design*

ASTRONOMY

DOCTOR OF PHILOSOPHY
Aritra Ghosh
*Investigating Galaxy Morphology in Large Surveys Using
Novel Machine Learning Frameworks*

Timothy Miller
A New View of Galaxy Morphology

CELL BIOLOGY

DOCTOR OF PHILOSOPHY
Caroline Brown
*Capturing Membrane Snapshots: A Quantitative Guide for
Spatially-Resolved Extraction of Membrane Proteins on
Native Membranes**

Emma Carley
*LINCing SUN Proteins to Tissue Homeostasis and Fibrotic
Disease*

Nayoung Kwon
*Transcriptional Regulation of Fate Specification in Human
Megakaryocytic-Erythroid Progenitors*

Taryn Olivas
*Early and Late Stage Mechanisms of Autophagosome Formation**

Meng Tian
From Condensation to Complexity: The Multifaceted Roles of Chromogranin B in Secretory Protein Sorting via Molecular Condensation

Neng Wan
Role of Lipid Transfer Proteins in Lipid Droplet Dynamics

Qiancheng Xiong
*Functionalized DNA Nanostructures for Membrane Engineering**

CELLULAR AND MOLECULAR PHYSIOLOGY

DOCTOR OF PHILOSOPHY

Luis Gonzalez
Combined MD/PhD Program
Tenascin-C: A Regulator of Venous Remodeling Following Aorticaval Fistula Creation

Traci LaMoia
Regulation of Hepatic Mitochondrial Oxidation and Gluconeogenesis

Brooks Leitner
Combined MD/PhD Program
Translational Systems Metabolism in Health and Disease

Xinyi Zhang
Developing Metabolism-Targeting Adjuvants to Immunotherapy in Murine Melanoma

CHEMISTRY

DOCTOR OF PHILOSOPHY

Daniel Brandes
New Developments in Sequential, Multicomponent C-H Functionalization

Emily Branham
Expressed Artificial Proteins That Induce Degradation of the Platelet-Derived Growth Factor Beta Receptor

Matthew Capobianco
Understanding the Effect Modifications of 2D Materials Have on Conductivity Using Terahertz Spectroscopy

Claire Cody
Copper Complexes for Water Oxidation Electrocatalysis and Strong Bond Activation

Leah Connor
*Uncovering Molecular Mechanisms of Epigenetic Regulation and Gene Expression**

Diondra Dilworth
Chemical Platforms for Non-Extant Ribosomal Chemistry: Synthetic Efforts Towards Ribosome-Assisted Polyketide-Polypeptide Products

Natavan Dudkina
Decoding Novel Metabolic Functions and Binding Products of Human Aldo-Keto Reductase 1C3

Madeline Frischling
The Total Synthesis of Nenestatin A, Studies Towards the Total Synthesis of Microansamycin A, and Exploration of Aminoglycoside Anionic Glycosylation Applicability Using 4-Epi-Vancosamines

Nathaniel Greenwood
*Rhodium(III)-Catalyzed Heterocycle Synthesis and New Approaches to High Oxidation State Sulfur Pharmacophores by Sulfur-Functionalization of Sulfenamides**

Julian Grundler
*Modifying the Surface Topography of PEGylated Nanoparticles Based on Bottlebrush Block Copolymer for Drug Delivery Applications**

Reagan Hooper
Synthesis, Reactivity, and Electronic Structure of Iron Complexes with Biomimetic Carbon and Sulfur Ligands

Rebecca Howell
Bifunctional Molecules That Induce Both Transcytosis and Degradation of Extracellular Proteins

Josephine Jayworth
BODIPY as a Chromophore and an Anchor to Metal Oxides for Solar Fuel Applications

Harvey Kelly
Computational Studies of Molecular-Level Effects at Catalytic Interfaces

Fang Lin
Greener Routes to Biomass Valorization: Lignin Upgrading using Electrochemical Method

Hanyu Liu
*Transition Metal Complexes for Electrocatalytic Ammonia Oxidation**

Ningyi Lyu
*High-Dimensional Molecular Quantum Dynamics With Tensor-Trains and Quantum Computation**

Michelle Moon
*Development of Techniques to Characterize RNA Motifs Throughout the Transcriptome**

Benjamin Rousseau
Nuclear Quantum Effects and Proton Transfer Mechanisms in Molecular and Solid-Liquid Interface Systems

Tayah Turocy
Molecular Crosstalk Mechanisms: Small Molecules Involved in Host-Bacterial Interactions

Adam Zoll
*Cp*Rh(III)-Catalyzed Syntheses of Nitrogen Heterocycles from Imines**

MASTER OF SCIENCE
Matthew Tremblay

CLASSICS

DOCTOR OF PHILOSOPHY
Anna Grant
Echoes of Authority: Quotation and the Performance of Wisdom in Cicero, Horace, and Seneca

Erynn Kim
*Epic Liminal Spaces: Dreams, Similes, and the Poetics of Vividness in Gilgamesh and Homer**

Raymond Lahiri
Combined with Comparative Literature
*The Violence of the Form: Violence and the Political in Greek and Latin Historical Narrative**

MASTER OF ARTS
Zachary Wolens

COMPARATIVE LITERATURE

DOCTOR OF PHILOSOPHY
Spencer Lenfield
This Beauty Born of Parting: Literary Translation Between Korean and English via the Korean Diaspora, 1920–Present

Maria Pabon
Agitated Layers of Air: Third-Worldism and the “Voice of the People” Across Palestine, Cuba and Algeria

Ariel Yehudith Pridan
Going Urban: The Jewish Experience of the Metropolis in Early 20th Century Jewish Literature

Lindsay Stern
Personhood: Literary Visions of a Legal Fiction

Nebojsa Todorovic
Tragedies of Disintegration: Balkanizing Greco-Roman Antiquity

COMPUTATIONAL BIOLOGY AND BIOINFORMATICS

DOCTOR OF PHILOSOPHY
Egbert Castro
Learning Data-Driven Representations for Biomolecular Analysis, Optimization, and Design

Jeffrey Fisk
*Computational and Evolutionary Approaches for Translational Cancer Research**

Jiahao Gao
Multi-Scale Gene Regulation Analysis With ChIP-Seq and Beyond

Alexander Grigas
*Investigating the Connection Between Protein Folding, Polymer Collapse, and Jamming**

Tianxiao Li
Learning Latent Representations for Biological Molecules

Rihao Qu
Deriving Cell and Gene Dynamics From Single-Cell Omics Data

Aarthi Venkat
Geometric Representation Learning for Insights Into Cellular and Molecular Behavior

Meng Wang
Learning Embeddings of Adaptive Immune Receptor Sequences

COMPUTER SCIENCE

DOCTOR OF PHILOSOPHY

Emmanuel Adeniran

From Distraction to Interaction: Leveraging Robot-Driven Interplay for Effective Technical Education Amid Interruptions

Javid Dadashkarimi

Data-Driven Mapping Between Functional Connectomes Using Optimal Transport

Samuel Judson

(Private) Formal Methods for Rigorously Governable Systems

John Lazarsfeld

Advances in Multi-Agent Learning and Private Statistical Estimation

Karthik Sriram

Accelerator-Rich Computer Architectures for Brain-Computer Interfaces

Xiang Wu

Formal Verification of an Asynchronous VLSI Flow

MASTER OF SCIENCE

Yichen Cai

Hongyu Chen

Lin Chen

Minyi Chen

Zhanqi Deng

Yuxuan Ding

Wenyu Du

Bowen Duanmu

Shenglan Fang

Yicheng Gao

Chen Gong

Kaiyuan Guan

Yiran Guo

Fengxiang He

Junyi Huang

Alexander Li

Mark Lisi

Hanqing Liu

Dekun Ma

Cody Murphey

Jarred Parr

Chenye Qi

James Rosen

Kejian Shi

Inyoung Shin

Peter Takahashi

Yiheng Tao

Chiyu Wang

Yining Wang

Zhe Wang

Gonghan Xu

Xinchen Yan

Haiyue Yang

Yutong Yi

Qiu hao Zhang

Hengguang Zhou

Xingzhe Zhou

Zishun Zhou

Haolan Zuo

EARTH AND PLANETARY SCIENCES

DOCTOR OF PHILOSOPHY

Neta Bar Kohn

Seismic and Kinematic Studies of Subduction Zones Along the Western Margins of North and South America

Meng Guo

Deciphering the Habitability of the Early Earth: Insights from the Coupled Evolution of the Crust-Mantle-Atmosphere-Ocean System

Yantao Luo

Crust and Mantle Structure Beneath the Eastern Margin of North America and Tectonic Implications

Zhongtian Zhang

*The Formation and Evolution of Planetesimals and Planetary Embryos**

MASTER OF SCIENCE

Stacey Gerasimov

Leah Youngquist

EAST ASIAN LANGUAGES AND LITERATURES

DOCTOR OF PHILOSOPHY

Caitlin Casiello

Combined with Film and Media Studies

Sex on Screen in Japanese Cinema 1950s to 1990s

James Scanlon-Canegata

Reading Sonority: Heian Songbooks and the Japanese Poetic Tradition

EAST ASIAN STUDIES

MASTER OF ARTS

Michael Burns

Qiu Qing Chan

Jiwoong Choi

Alan Dai

Nongyu Duan

Miku Ebata

Xianda Huang

Yijian Li

Jingkai Liu

Jacob Rosenbaum

Fiadh Sheeran

Wenzhe Teng

Xin Zhao

ECOLOGY AND EVOLUTIONARY BIOLOGY

DOCTOR OF PHILOSOPHY

Arielle Biro

Nutrient Acquisition and Plant-Microbe Interactions in Savanna Trees

Michael Blazanin

Methods and Complexity in Phage-Bacteria Ecology and Evolution

Ben Carlson

The Individual Environmental Niche: Drivers, Specialization, and Geometric Configuration

Ava Ghezelayagh

Phylogenomics of Acanthomorpha: From Ancient Radiations to the Tips of the Tree

Ian Gilman

*On the Evolution of Crassulacean Acid Metabolism: Diversity, Anatomy, and Genetic Components**

Dae-Min Kim

Species Delimitation in the Genomic Era and Its Implications for Taxonomy, Biogeography, Fisheries and Conservation of North American Freshwater Fishes

Chantal Parker

*Investigating Patterns and Processes of Diversification in the Adaptive Radiation of Antarctic Notothenioid Fishes**

Mansa Srivastava

*Systematics, Biogeography, and Organ Fusion in the Plant Lineage *Lonicera**

Daniel Stadtmauer
*The Evolution of Cell and Tissue Identity at the Maternal-Fetal Interface**

ECONOMICS

DOCTOR OF PHILOSOPHY

Pedro Miguel Casavilca Silva
Essays on Firms and Workers in an Informal Economy

Alvaro Cox Lescano
The Role of Human Capital and Institutions in Economic Growth

Hanxiao Cui
Essays on Matching and Sorting in Labor Economics

Mirco Dinelli
Essays on Positive and Normative Aspects of Environmental Policy

Tan Gan
*Essays on Digital Markets**

William Giraldo Paez
Labor Supply and Life-Cycle Risk

Rodrigo Guerrero Castaneda
*Parental Death and Schooling: Gendered Spheres of Production and Parental Preferences**

Nghiem Huynh
Effects of Internal Migration, Trade Liberalization, and Place-Based Tax Policies on Inequalities in Vietnam

Sidharth Kankanala
*Essays in Nonparametric Econometrics: Endogeneity and Latent Heterogeneity**

Helena Laneuville Teixeira Garcia
Essays in Gender Economics

Jaewon Lee
Essays on Demand Estimation

Ryungha Oh
*Essays on Spatial Sorting and Labor Markets**

Fernando Luiz Pereira Cordeiro
Public vs. Private: The Industrial Organization of Education and Other Regulated Markets

Hiroki Saruya

Essays on Capacity Constraints in Healthcare Industries

Bernardo Silva de Carvalho Ribeiro
*Essays on Economic Growth**

Jihoon Sung
Business Groups and Misallocation: Theory and Evidence From Chaebols

Anthony Tokman
Essays on Housing, Inequality, and Spatial Mobility

Siu Yuat Wong
Maternal and Paternal Migration and Children's Human Capital

Wei Xiang
*Essays on Economic Growth, International Trade, and the Environment**

Qianyao Ye
Essays on Human Capital Development

ENGINEERING AND APPLIED SCIENCE

BIOMEDICAL ENGINEERING

DOCTOR OF PHILOSOPHY

Xiongchao Chen
Deep Learning Methods of Attenuation Correction, Reconstruction, Registration, and Denoising for Multi-Modal Cardiac SPECT

Xueqi Guo
Motion Correction Strategies in Dynamic PET

Saiti Halder
*Identifying Mechanisms of Pathogenicity in Familial Cardiomyopathy-Linked Alpha-Tropomyosin Mutations**

Wenjing Luo
*Dynamic and Individualized Small-Scale Brain Functional Organization**

Anna Lynn
Combined MD/PhD Program
Engineering Polymeric Nanoparticles for Intra-Amniotic and Intravenous in Utero Delivery

Laura Morales
Neutrophil Heterogeneity and Transmigration: Decoding Molecular Profiles Through Multi-omic Analysis and In Vitro Mimicry of the Venular Wall

Daniel Pak
Data-Driven Heart Geometry Modeling for Patient-Specific Biomechanics

Kartiga Selvaganesan
Gradient-Free Magnetic Resonance Imaging in a Nonuniform B₀, With a Novel Low-Field Magnet System

Wendy Sheu
Targeted Delivery of Gene Therapy for Treatment of Neurofibromatosis

Graham Su
Spatial Multi-Omics Mapping of the Human Brain Hippocampus

Shivkumar Vishnempet Shridhar
Influence and Transmission of Commensal and Infectious Pathogens

Zhiyu Xiao
Integrated Multiscale Mechano-Biological Study of Lung and Liver Tissues

Bo Zhou
*Deep Learning for Multi-Modal Tomography Imaging: Radiation Dose, Image Artifacts, and Acquisition Time Reductions**

MASTER OF SCIENCE

He Liu

CHEMICAL AND ENVIRONMENTAL ENGINEERING

DOCTOR OF PHILOSOPHY

Wyatt Arnold
Microbial Controls on Globally Significant Methane Cycling in Wetlands and Forests

Jake Heinlein
Investigation of Heterogeneous Catalysis Mechanisms for Photocatalytic Methane Oxidation Reactions

David Kim
*Towards Practical Electrocatalysis for Industrial Wastewater Treatment**

Mary Kate Lane
*Towards Green Engineering: Applications of Supercritical Fluids as Tunable Green Solvents**

Junseok Lee
Engineering Nanomaterials for Advanced, Aqueous-Based Applications: Exploring Physical and Chemical Dynamics With a Focus on Surface Chemistry

Sohum Patel
*Aqueous Electro-Driven Separations: Thermodynamic Limitations for Desalination and Opportunities for Selective Extraction of Target Species**

Holly Rudel
Informing Design of Sustainable Sorbents for Drinking Water Treatment: Faceted Nanohematite for Oxoanion Removal

Brian Shoemaker
*Computational Investigations of Solute and Solvent Transport in Nanoporous Desalination Membranes**

Nikita Sugak
Studying Magnetism and Potential Superconductivity of Linked Graphene Oxide Nanosheets

Yazhen Xue
*Design, Synthesis, and Applications of Architecturally Engineered Polymers**

Rito Yanagi
Design Principles and Implementations Toward Particulate Solar Fuel Production With Carbon Capture and Utilization

Xiaowei Zhang
*Rational Design and Development of Lewis Acid Tethered Cobalt Porphyrin Catalysts for Stereocontrolled Living Radical Polymerization**

Alessandro Zulli
*Environmental Surveillance of Viral Pathogens for Identifying Infectious Disease Outbreaks**

ELECTRICAL ENGINEERING

DOCTOR OF PHILOSOPHY

Ruslan Dashkin
Asynchronous RISC-V CPU Design With Pre-Silicon Validation on Synchronous FPGAs

Siyuan Dong
Data-Driven Methods for Super-Resolution Magnetic Resonance Spectroscopic Imaging

Chao Ma
Quantum Geometry and Topology in Graphene Moiré Superlattices

Nicholas Nordlund
Resource Allocation Problems for Efficient and Sustainable Next-Generation Networks

Mohan Shen
*Superconducting Electro-Optic Modulation for Cryogenic Data Egress**

Chenyu You
Robust Machine Learning for Biomedical Data: Efficiency, Reliability, and Generalizability

MECHANICAL ENGINEERING AND MATERIALS SCIENCE

DOCTOR OF PHILOSOPHY

Sorosh Amiri
Role of Mechanical Forces in Biological Motion and Morphology

Emily Kinser
Nanopatterned Electrochemical Biosensor Electrodes With Enhanced Signal and Sensitivity

Guannan Liu
*Machine Learning for Complex Materials Science**

Arindam Raj
Thermomechanical Nanomolding: Characterization and Fabrication

Shiyu Xu
In Situ Characterization of Electrochemically Intercalated Two-Dimensional Group vi Transition Metal Dichalcogenides

PERSONALIZED MEDICINE AND APPLIED ENGINEERING

MASTER OF SCIENCE

Sarah Antonevich

Alexis Briano

Nina Brooks

Victoria Byrd

Wonchang Cho

Shelby Desroches

Rithvik Ghankot

Catherine Jayakumar

Melanie King

Vi Lee

Jessica Quinones

Raveen Sidhu

Larence Tchoupou Kuete

Grayson Wagner

Sitong Ye

Joshua Zhu

ENGLISH LANGUAGE AND LITERATURE

DOCTOR OF PHILOSOPHY

Marcus Alaimo
*The Romantic - Utilitarian Debate**

Andie Berry
Combined with African American Studies
This Has Not Happened: African American Performances at the Edge of the Century

Daniel de la Rocha
Frustrated Journeys: Social Immobility and the Aesthetics of Disappointment in 19th-Century Fiction

Seamus Dwyer
*Scripts and Literature in the Manuscripts of England and France, 1370-1425**

Emily Glider
Combined with Early Modern Studies
Geopolitical Players: Diplomacy, Trade, and English Itinerant Theater in Early Modern Europe

Anthony Haslett
All This Sociology and Economics Jazz: Blackness, Writing, and Totality After Civil Rights

Adam Keller
Character in Conflict: Soldiers and Eighteenth-Century English Literary Character

Shu-Han Luo
*Didactic Poetry as Formal Experiment in Early Medieval England**

Elizabeth Mundell Perkins
Matter of the Mind: Narrative's Knowledge and the Novel of Impressionability, 1897-Present

Cera Smith
Combined with African American Studies
Blackened Biology: Physiology of the Self and Society in African American Literature and Sculpture

Colton Valentine
*Between Languages: Queer Multilingualism in the British Belle Époque**

Elizabeth Wiet
Maximalism: An Art of the Minor

Hyouon Yang
Healed by Water: American Hydropathy and the Search for Meaning in Nature

MASTER OF ARTS

Emma Hodgdon

Lily Isaacs

Riley Kelfer

Desirée Rivera

ENVIRONMENT

DOCTOR OF PHILOSOPHY

Aleca Borsuk
*The Leaf as a Living Material: Functional Implications of Morphological Variation in Leaf Photosynthetic Tissue**

Mary Burak
The Lion's Share: Spatiotemporal Patterns of Lion Landscape Use in a Shared Human-Wildlife System

Paul Burow
Combined with Anthropology
The Ecology of Belonging: Cultural Dynamics of Environmental Change in the North American West

Hayon Michelle Choi
Unraveling the Disparity of Temperature-Mortality Relationship: From Individual to Global Perspectives

Yufang Gao
Combined with Anthropology
*Envisioning Coexistence: Snow Leopards and Tibetan Herders in China's First National Park**

Matthew Gordon
The Satellite and the Territory: Essays on Remote Sensing and the Economics of Sustainable Development

Aishwarya Iyer
Implications for Energy Demand and Emissions by Mitigating Heat Stress in Heterogeneous Urban Building Types in India

Katherine Orrick
Social-Ecological Practice Theory and Human-Wildlife Interactions: People, Cattle, and Predators in Makgadikgadi, Botswana

Helen Siegel
*Investigation of Natural and Anthropogenic Factors Influencing Groundwater Quality and Availability in the Northwestern Appalachian Basin**

Wen Zhou
Combined with Anthropology
*The Concessionary Regimes of Gabon, Central Africa: Corporate Sovereignty, Forest Governance, and the Post-Colonial State**

MASTER OF SCIENCE

Jaye Wilson

EUROPEAN AND RUSSIAN STUDIES

MASTER OF ARTS

Margaret Lindrooth

Nazerke Mukhlissova

Cassandra Smith

EXPERIMENTAL PATHOLOGY

DOCTOR OF PHILOSOPHY

Matthew Murray

Defining the Function and Therapeutic Potential of Mutant PPM1D in High-Grade Glioma

Sateja Paradkar

*Exploiting DNA Repair Deficiencies in Cancer to Develop and Characterize Novel Therapeutics**

Taylor Takasugi

Combined MD/PhD Program

*The Role of the Protection of Telomeres 1b (POT1b) Protein in the Protection of Telomeric Overhangs and the Regulation of Telomere Length**

FILM AND MEDIA STUDIES

DOCTOR OF PHILOSOPHY

Pooja Sen

Combined with History of Art

*The World Builders**

GENETICS

DOCTOR OF PHILOSOPHY

Myles Alderman III

The Role of Alkbh1 in the Epigenetic Regulation of Extraembryonic Development and Early Embryogenesis

Maria Benitez

Histone Regulation of the Maternal to Zygotic Transition: The Role of Histone Modifications on Zygotic Genome Activation

Kathryn Berg

*Mechanical and Transcriptional Roles for Primary Cilia During Intracardiac Cushion EndoMT**

Siyuan Cheng

Vascular Smooth Muscle Cell Differentiation on Vertebrate Brain Arteries

Delfina Gonzalez

Yeast as a Model for SMAD Nuclear Transport

Kaiyue Ma

Improving Genetic Diagnostics and Developing Gene Therapies in Rare Muscle Diseases

Danielle Miyagishima

Combined MD/PhD Program

*Deconvolution of the Meningioma Microenvironment**

Damir Musaev

Coding Sequence Dependent mRNA Decay Regulation

Mark Noble

*Single-Cell Perturbation of Human Accelerated Regions in Neural Stem Cells**

Victor Olmos

Genetic Background's Influence on the Pathogenesis of Spinocerebellar Ataxia Type 1 (SCA1)

Mark Pownall

*Chromatin Expansion Microscopy Reveals Nanoscale Organization of Transcription and Chromatin**

Nancy Sanchez

The Upstream Sequence Transcription Complex Dictates Nucleosome Positioning and Promoter Accessibility at piRNA Genes in the C. Elegans Germ Line

Myciah Sewell

Determining the Role of Beta-Tubulin 4b in Cilia and Development

Rebecca Starble

*Elucidating Epigenetic Mechanisms of Oncogene Amplification That Promote Tyrosine Kinase Inhibitor Resistance in Lung Adenocarcinoma**

Bing Yang

Exploring 3D Genomics and Its Regulation: Spatial CRISPR Screening Reveals Regulators of 3D Genome Architectures and Chromatin Tracing Unfolds X Chromosome Conformations in Human Pluripotent Stem Cells

Sang Won Yun

Combined MD/PhD Program

Investigating Stem Cell Chromatin Organization and Oncogenic Tissue Morphogenic Change Through Intravital Microscopy

Annali Yurkevicz

Novel Approaches for Tumor Targeting via Artificial Antigen Delivery

Shupeí Zhang
*Active Neuronal Tracing in Postmortem Large Mammalian Brains**

Amy Zhao
Combined MD/PhD Program
Peripheral Immune Signatures of Fibrotic Lung Diseases

MASTER OF SCIENCE

Hannah Levy

GERMANIC LANGUAGES AND LITERATURES

DOCTOR OF PHILOSOPHY

Lorenz Hegel
Combined with Film and Media Studies
Cinema After Revolution(s): Reproduction, Communication, Affect (1917/1968)

Benjamin Heller
*Realismus Und Kritik – Zum Ursprung Des Bürgerlichen Realismus Aus Der Literaturgeschichte**

Netta Sovinsky
On Unperformable Plays and the Metaphysics of the Stage: Hölderlin and Kleist

GLOBAL AFFAIRS

MASTER OF ARTS

Fanta Traore

HISTORY

DOCTOR OF PHILOSOPHY

Hamzah Baig
*A Wind From the South: The Algerian Revolution, Settler Colonial Internationalism, and the Third World Radical Imagination**

Alexander Batson
Classical Greece in the European Imperial Imagination, 1500-1700

Or El Beilinson
*Tomorrow Belongs to Me: Coming-of-Age in the Other Europe, 1813-1914**

Andrés Bustamante
*Excavating Mexico: Archaeology and the Subsoil Politics of State Formation, 1821-1944**

Angelica Clayton
Traumatic Information: Interpersonal Violence and the Cybernetic Human

John D'Amico
*Commerce, Capital, and Power in Early Modern Japan**

Theodore Delwiche
The Contested Classics: Education in Early North America, 1630-1830

Mallory Hope
*Underwriting Risk: Trade, War, Insurance, and Legal Institutions in Eighteenth-Century France and Its Empire**

Jan-Ru Huang
The Wondrous Tales of Zhang Deyi: a Chinese Diplomat's Life Between Worlds, 1847-1919

Pranav Jain
*The Transformation of the Church of England, 1689-1714**

Michelle Johnson
Combined with African American Studies
Wagons and Warehouses: School Integration and Civil Rights Organizing in Chicago, 1915-1966

Shahrouz Khalifian
The Formation of a Medieval Legal Profession: Jurists, Jurisprudence, and Notaries in Montpellier, C. 1204-1390

Karolina Kolpak
A Microcosm of Civic Action: The Kolonie Letnie for Warsaw's Frail and Impoverished Children, Christian and Jewish, 1882-1922

Gabriel Ramirez
The Death of the American Dream, en Español: The Problem of Latine Homeownership in the Late Twentieth Century

Taylor Rose
Battle Born: Mining, Militarization, and Native Lands in the Nevada Desert, 1860-1990

Deborah Strehle
*Care Underground: Activists and the Transformation of American Dying in the 1960s**

Zekun Zhang
*State and Slavery in the Tang Empire**

MASTER OF ARTS

Emily Bell

Simon Bound

Corey Eisert-Wlodarczyk

Aneka Kazlyna

Joseph Kester

Viet Trinh

Weiyang Wu

HISTORY OF ART

DOCTOR OF PHILOSOPHY

Justin Brown

The Cosmic Calabash: Afro-Surinamese Art and Thought During the Period of Slavery

Anabelle Gambert-Jouan

The Deposition From the Cross: Place, Polychromy, and Experience in Medieval Wood Sculpture

Victoria Hepburn

Works in Progress: The Art of William Bell Scott (1811-1890)

Mia Kang

The Price of Admission: Race, Multiculturalism, and the Visual Arts

Christine Olson

*Ornament and the Other: Owen Jones and the Design of Victorian Modernity**

Gregor Quack

The Social Fabric: Franz Erhard Walther and the Sociological Turn of Art in Postwar Germany

Lillian Sellati

*When Is Herakles Not Himself? Mediating Cultural Plurality in Greater Central Asia, 330 BCE – 365 CE**

Kwan Tang

Combined with Film and Media Studies

Body Without Form: The Specter of the US Citizen in Modern Art

Pierre Jacques Henri Von Ow

“Wise Pictures” and Global Projects: Histories Of Perspective in Britain and Its Empire in the Long Eighteenth Century

Katherine Werwie

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