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  

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

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 Aortocaval 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
Chenyi 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
Qiuhaow 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

DOCTOR OF PHILOSOPHY

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

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

DOCTOR OF PHILOSOPHY

Stacey Gerasimov
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EAST ASIAN STUDIES

MASTER OF ARTS
Michael Burns
Qiu Qing Chan
Jiwoong Choi
Alan Dai
Nongyu Duan
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*

**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*

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*

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*

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*

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*

Hyoun 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

Mycah 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
Shupei 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

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Commerce, Capital, and Power in Early Modern Japan*

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

Mallory Hope  
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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 Streahle  
Care Underground: Activists and the Transformation of American Dying in the 1960s*

Zekun Zhang  
State and Slavery in the Tang Empire*
MASTER OF ARTS
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Simon Bound
Corey Eisert-Wlodarczyk
Aneka Kazlyna
Joseph Kester
Viet Trinh
Weiying 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
Visions Across the Gates: Materiality, Symbolism and Communication in the Historiated Wooden Doors of Medieval European Churches

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