



USC Dornsife

Dana and David Dornsife
College of Letters, Arts and Sciences

PHD HOODING CEREMONY
FOR DEGREES CONFERRED IN 2023

USC DANA AND DAVID DORNSIFE
COLLEGE OF LETTERS, ARTS AND SCIENCES

WEDNESDAY, MAY 10, 2023

PROCESSIONAL

WELCOME AND INSTRUCTIONS

STEVEN FINKEL
COLLEGE DEAN OF GRADUATE AND PROFESSIONAL EDUCATION

ADDRESS

AMBER D. MILLER
DEAN

PRESENTATION

OF THE HOOD TO PHD CANDIDATES

CLOSING REMARKS

AMBER D. MILLER
DEAN

RECESSIONAL

THE AUDIENCE IS ASKED TO STAND AS THOSE WITH NEWLY CONFERRED DOCTORATES AND FACULTY FORMALLY RECESS. PLEASE REMAIN STANDING UNTIL ALL HAVE EXITED THE TENT.

RECEPTION

HOSTED BY USC DORNSIFE ON ALLYSON FELIX FIELD, BEHIND THE STAGE,
IMMEDIATELY FOLLOWING THE CEREMONY.

AMBER D. MILLER
DEAN

STEVEN FINKEL
COLLEGE DEAN
OF GRADUATE AND PROFESSIONAL EDUCATION

JAN AMEND
DIVISIONAL DEAN FOR THE LIFE SCIENCES

MOH EL-NAGGAR
DIVISIONAL DEAN FOR
THE PHYSICAL SCIENCES AND MATHEMATICS

PETER MANCALL
DIVISIONAL DEAN FOR THE SOCIAL SCIENCES

SHERRY VELASCO
DIVISIONAL DEAN FOR THE HUMANITIES

Today you reach a milestone on your personal and scholarly path that reflects rigorous effort and dedication to learning. Successfully navigating this path is a testament to your ability to solve difficult problems and overcome unforeseen challenges with intelligence and poise. Along with your family and friends, the USC Dornsife community is proud to celebrate these achievements.

Having earned your Doctor of Philosophy degree, you are entrusted with a scholar's most important responsibility: to generate, explore, and transmit new knowledge. I am confident that each of you will leave an indelible mark on your field. I also encourage you to explore new ways through which your talent and leadership as scholars trained in the liberal arts can be applied to create positive impact on society.

Remember, too, that after you leave campus, you will always remain a valued member of the Trojan Family. Please keep us informed of your ongoing endeavors, whether they are within the academy or in another profession. Your success in the world will shine a light on USC Dornsife, helping us to build even stronger doctoral programs for those scholars who follow in your footsteps.

Congratulations and best of luck in the boundless opportunities that await you.

AMBER D. MILLER, PHD

DEAN

PHD CANDIDATES

MONIRA AL RAKHIS

Economics

Dissertation Chair: Vittorio Bassi
Dissertation: Essays in Applied
Microeconomics

MARIA ALLAYIOTI

Applied Mathematics

Dissertation Chair: Gary Rosen
Dissertation: M- estimation and
Non-Parametric Estimation of a Random
Diffusion Equation-Based Population
Model for the Transdermal Transport of
Ethanol: Deconvolution and Uncertainty
Quantification

JOSHUA ALLBRIGHT

Classics

Dissertation Chair: Susan Lape
Dissertation: Civic Education in the
Athenian Democracy

ALEIQUE ALLEN

Chemistry

Dissertation Chair: Peter Qin
Dissertation: Investigation the role
of DNA physical property on target
discrimination by CRISPR-Cas12a

NIKITA ALLGIRE

*Comparative Studies in Literature
and Culture - Slavic Languages
and Literatures*

Dissertation Chair: Thomas Seifrid
Dissertation: "The Anatomy of the
Drives: An Intellectual History of
Psychoanalysis in Russia from
1905 to 1930"

QUINN ANEX-RIES

American Studies and Ethnicity

Dissertation Chair: Nayan Shah
Dissertation: Revolution or Regulation?:
Technology, Federal Policy, and the
Politics of Sexuality in Postwar America

HEIDI ARONSON

*Biological Sciences - Marine Biology
and Biological Oceanography*

Dissertation Chair: Jan Amend
Dissertation: Thermodynamics-guided
cultivation of microorganisms involved
in novel and understudied sulfur
catabolic reactions

CRUZ ARROYO

English

Dissertation Chair: Elda Maria Roman
Dissertation: I Can't Make This Stuff Up:
Fictionality, Autobiography, and
Deviance in American Stand-Up Comedy

AYKUT ARSLAN

Applied Mathematics

Dissertation Chair: Jinchi Lv
Dissertation: Matching First Two
Moments Can Suffice for Knockoffs
Inference

KENDRA MYERS ATKIN

*Comparative Studies in Literature
and Culture - Comparative Media
and Culture*

Dissertation Chair: Akira Mizuta Lippit
Dissertation: Magic and Media:
The Critical Concept of Telepathy
(1850-1923)

ABRA ATWOOD

Earth Sciences

Dissertation Chair: A. Joshua West
Dissertation: Critical Zone response
to perturbations: from mountain
building to wildfires

HUMBERTO MUNOZ BAUZA

Physics and Astronomy

Dissertation Chair: Daniel Lidar
Dissertation: Simulation and error
suppression of Hamiltonian quantum
computation

MEZMUR BELEW

Molecular and Computational Biology

Dissertation Chair: Dr. Matthew Michael
Dissertation: Identification of
factors that underly genome-wide
transcriptional repression during the
development of the *C. elegans* germline

MARIEL BELLO

Psychology

Dissertation Chair: Adam Leventhal
Dissertation: Effects of Mint, Menthol,
and Tobacco-Flavored E-Cigarettes on
Appeal and Sensory Effects, Tobacco
Withdrawal, and the Relative
Reinforcing Value of Menthol Cigarettes
in Menthol Smokers: A Laboratory Study

MICHAEL ANTHONY BENITEZ

English

Dissertation Chair: Bruce Smith
Dissertation: Shakespeare's
Archive-in-Action: Queer Futurity in
Shakespeare's Plays

XIAOPENG BIAN

Earth Sciences - Geological Sciences

Dissertation Chair: Seth John
Dissertation: The Marine
Biogeochemistry of Nickel Isotopes

DIANA PETROVA BOJANOVA

Earth Sciences - Geological Sciences

Dissertation Chair: Jan Amend
Dissertation: Microbial Metabolism
in Deep Subsurface Sediments of
Guaymas Basin (Gulf of California):
Methanogenesis, Methylophony, and
Asgardarchaeota

CLEMENT BOULLE

Economics

Dissertation Chair: Matthew E. Kahn
Dissertation: The impact of minimum
wage on labor market dynamics in
Germany

PHD CANDIDATES

GRANT BOWLING

Mathematics

Dissertation Chair: Sami Assaf

Dissertation: Characters of Flagged Schur Modules and Compatible Slides

SAM BOYSEL

Economics

Dissertation Chair: Matthew E. Kahn

Dissertation: Sustaining Open Source Software Production: An Empirical Analysis Through the Lens of Microeconomics

ANDRES CAMARENA

Neuroscience

Dissertation Chair:

Raymond Goldsworthy

Dissertation: Did You Get All That? Encoding of Amplitude Modulations at the Auditory Periphery Predicts Hearing Outcomes

JACLYN ELISE PITTMAN CETINER

Earth Sciences

Dissertation Chair: William M. Berelson

Dissertation: Carbonate Dissolution on the Seafloor: Interpretations from a Novel In Situ Porewater Sampler

MELISSA CHADBURN

English - Creative Writing and Literature

Dissertation Chair: Danzy Senna

Dissertation: Enchanted Opacities

CHRIS CHIEN

American Studies and Ethnicity

Dissertation Chair: Viet Thanh Nguyen

Dissertation: New Cold War Visuality: U.S., China, and Hong Kong Entanglement in the Cold War Transpacific

NINA CHRISTIE

Psychology

Dissertation Chair: John Monterosso

Dissertation: The Interplay Between Social Connection and Substance Use

ALVIN Y. CHUAN

Comparative Studies in Literature

and Culture - French and

Francophone Studies

Dissertation Chair:

Lydie Esther Moudileno

Dissertation: Colonial Ventures: the Poetics of Migration, Colonization, and Labor in Francophone North America

DAVID CLARK

Philosophy

Dissertation Chair: Mark Schroeder

and Jonathan Quong

Dissertation: "Responding to Harm"

SAMANTHA COHEN

English - Creative Writing and Literature

Dissertation Chair: Aimee Bender

Dissertation: Becoming Multiple: Cyborg Aesthetics and the Inversion of Horror / Sarahland

GRACE TARYN CONVERSE

Art History

Dissertation Chair: Amy Ogata

Dissertation: Making Belief: Art, Theosophy, and the Creative Production of Truth, 1875-1945

CLAIRE BRITTANY CRAWFORD

Political Science and International Relations

Dissertation Chair:

Ange-Marie Hancock Alfaro

Dissertation: Hum So the Devil

Doesn't Hear You: Rural Black

Southern Existences as Otherwise

ALISON CRIBB

Earth Sciences

Dissertation Chair: Frank Corsetti

Dissertation: The geobiological role of bioturbating ecosystem engineers during key evolutionary intervals in Earth history

PETRINA CROCKFORD

English - Creative Writing and Literature

Dissertation Chair: Dana Johnson

Dissertation: Voyagers (A Novel)

Savagely Spiritual: Illness and the

Imagination in the Fiction of

Jean Stafford

MADHUMANTI DATTA

Linguistics

Dissertation Chair: Andrew Simpson

Dissertation: Subject and Adjunct Island

Effects through the lens of selective

opacity in Subjects and Adjuncts

ANDREW DAWSON

Psychology

Dissertation Chair: Daphna Oyserman

Dissertation: Classroom Are Game

Setting: Learning Through and With Play

YUKUN DING

Economics

Dissertation Chair: Caroline Betts

Dissertation: Exploring the Impact

of Economic Shocks on Firm Export

Behavior: Insights from Three Studies

HARRISON DISKIN

History

Dissertation Chair: Peter Mancall

Dissertation: "Making Manhattan:

Sovereignty, Material Culture, and the

Politics of Place, 1614-1664"

VAN K. DO

Chemistry

Dissertation Chair: Travis Jesse Williams

Dissertation: Hydrogen Energy System:

Production, Transportation, and Storage

via Iridium-based Catalysts

ERIN KAYE DONAHUE

Neuroscience

Dissertation Chair: Michael Jakowec

and Giselle M Petzinger

Dissertation: The Contribution of

Perivascular Spaces to Parkinson's

Disease Pathophysiology

PHD CANDIDATES

ELIOT DUNN

English

Dissertation Chair: Karen Tongson
Dissertation: "A door, an exit, a way out": Trans*Temporality in Hybrid Media

SHUBIR DUTT

Psychology

Dissertation Chair: Mara Mather and Dan Nation
Dissertation: The Role of the Locus Coeruleus in Alzheimer's Disease and Cerebrovascular Function: Insights from Neuroimaging, Neuropsychology, and Biofluid Markers

MARK EBERT

Mathematics

Dissertation Chair: Aaron Lauda
Dissertation: The Structure and Higher Representation Theory of Odd Categorized $sl(2)$

SARAH ASHLEY CUEVA EGAN

Political Science and International Relations

Dissertation Chair: Laurie Brand
Dissertation: Identity Salience and Political Violence: Centering Social Identity in the Study of Intrastate Violence

HENRY EHRHARD

Mathematics

Dissertation Chair: Sami Assaf
Dissertation: Colors, Kohnert's Rule, and Flagged Kostka Coefficients

TALIA EVANS

Ocean Sciences

Dissertation Chair: James Moffett
Dissertation: Discerning local and long-range causes of deoxygenation and their impact on the accumulation of trace, reduced compounds

YUE FANG

Economics

Dissertation Chair: Geert Ridder
Dissertation: Essays on treatment effect and policy learning under different settings

ILSE FLORES

Neuroscience

Dissertation Chair: Marcelo Coba
Dissertation: SYNGAP1 Mutations and their Effect on Neuronal and Astrocytic Function in iPSC-Models of Neurodevelopmental Disease

GRIGORY FRANGURIDI

Economics

Dissertation Chair: Hyungsik Roger Moon
Dissertation: Essays in nonparametric and finite-sample econometrics

MEGAN FRANKE

Biological Sciences - Computational Biology and Bioinformatics

Dissertation Chair: Adam MacLean
Dissertation: Investigating hematopoietic stem cells via multiscale modeling, single-cell genomics, and gene regulatory network inference

JESSE GARCIA

Comparative Studies in Literature and Culture - French and Francophone Studies

Dissertation Chair: Lydie Esther Moudileno
Dissertation: Tasty, Comestible Men: Metabolic Poetics in Senegal

BRIEUC GERARD

Comparative Studies in Literature and Culture - French and Francophone Studies

Dissertation Chair: Panivong Norindr
Dissertation: X-human: Radical Queer Politics in the wake of May '68 France

RAMIN ALI MARANDI GHODDOUSI

Neuroscience

Dissertation Chair: Pat Levitt
Dissertation: The Impact of Genetic Pleiotropy on Heterogeneity in the Developing Forebrain and Hindbrain

EDWARD GONZALEZ

Political Science and International Relations

Dissertation Chair: Patrick James
Dissertation: Pathways to Nuclear Weapon Reversal: Exploring Mechanisms and Understanding Non-proliferation Policy

NOAH GORDON

Philosophy

Dissertation Chair: Jeffrey Russell
Dissertation: Theism and Secular Modality

JASMINE GUNKEL

Philosophy

Dissertation Chair: Mark Schroeder
Dissertation: On Intimacy: A Philosophical Account

KATERINE HAMMITT

Comparative Studies in Literature and Culture - French and Francophone Studies

Dissertation Chair: Olivia Harrison
Dissertation: Beyond the Sea that Separates: Francophone Voices of Oceania

ISLAMUL HAQUE

Economics

Dissertation Chair: Matthew E. Kahn and Paulina Oliva
Dissertation: Essays on the Economics of Climate Change Adaptation

YIWEI HE

Biological Sciences - Molecular Biology
Dissertation Chair: Oscar Aparicio
Dissertation: Rpd3 regulates single-copy origins independently of the rDNA array by opposing origin stimulation by Fkh1

PHD CANDIDATES

JINGHAN HE

Chemistry

Dissertation Chair: Andrea Armani
Dissertation: Organic Materials for Linear and Nonlinear Optical Microdevices

SHELBY HILL

Chemistry

Dissertation Chair: Valery V. Fokin
Dissertation: Painless Imaging: Click Chemistry Approaches Towards Addressing Opioid Addiction and Improving Biomedical Imaging

SYDNEY HILLER

Chemistry

Dissertation Chair: Valery V. Fokin
Dissertation: Expanding the Chemical Space by Utilizing the Efficiency and Versatility of Click Reactions to Unveil Potent Molecular Scaffolds

JEAN CHEN HO

English - Creative Writing and Literature

Dissertation Chair: Dana Johnson
Dissertation: "Fiona and Jane" (creative dissertation), and "Sight/Cite/Site: Racial Violence, Chinese Angelinos, and LA's Lost Chinatown 1850-1938" (critical dissertation)

FRANK HONG

Philosophy

Dissertation Chair: Andrew Bacon
Dissertation: Uncertain Knowledge

PO-HSUAN HUANG

Neuroscience

Dissertation Chair: Laurent Itti
Dissertation: RANSAC-based semi-supervised learning algorithms for partially labeled data, with application to neurological screening from eye-tracking data

MARY IPPOLITO

Sociology

Dissertation Chair: Ann Owens
Dissertation: Becoming College or Career Ready: Preparing for Passionate, Practical, or Precarious Futures in a Public High School

XANATH ISPIZUA

Chemistry

Dissertation Chair: Surya G Prakash
Dissertation: Harnessing fluorinated C1 nucleophilic reagents for the direct fluoroalkylation of ubiquitous C(sp²)-X and C(sp)-H centers

NINA JHAVERI

Psychology

Dissertation Chair: Stanley J. Huey
Dissertation: Predictors of mHealth Engagement in a Mindful Eating Intervention for Type 2 Diabetes

LIZ JOHNSON

English - Creative Writing and Literature

Dissertation Chair: David St. John
Dissertation: The Erotics of the Fragment in 20th Century American Women's Long Poems

CHANCE EVAN JONES

Biological Sciences - Molecular Biology

Dissertation Chair: Susan L. Forsburg
Dissertation: Maintenance of Genome Stability at Fragile Sites in *Schizosaccharomyces pombe*

MOON CHUL JUNG

Chemistry

Dissertation Chair: Mark Thompson
Dissertation: Integration of Cost Effective Luminescent Materials into Organic Light Emitting Diodes (OLEDs) and Molecular Approaches to Improve the Device Efficiency

BENJAMIN SEBASTIAN KAMERIN

Physics and Astronomy

Dissertation Chair: Vitaly Kresin
Dissertation: Magnetic Deflection of Doped Helium Nanodroplets

ICHIGO MINA KANEKO

Comparative Studies in Literature and Culture - Comparative Media and Culture

Dissertation Chair: Akira Mizuta Lippit and Natania Meeker
Dissertation: Radiant Mushrooms of Postwar Japanese Media

LANJA KARADAGHI

Chemistry

Dissertation Chair: Richard Brutchey
Dissertation: Sustainable Methods for Manufacturing Catalytically Active Nanomaterials

RIO KATAYAMA

East Asian Languages and Cultures

Dissertation Chair: Akira Mizuta Lippit
Dissertation: Narrating Bodies: (De)Constructing Affective Japan Through Nuclear Disasters

NEGAR KAZEROUNI

Chemistry

Dissertation Chair: Barry C. Thompson
Dissertation: Improving The Efficiency and Stability of Organic Solar Cells Through Ternary Strategies

TARAQ KHAN

Economics

Dissertation Chair: Paulina Oliva
Dissertation: Essays on Environmental Economics: Education, Employment, and Experiments

YEHSONG KIM

Psychology

Dissertation Chair: Gayla Margolin
Dissertation: Links Between Discrimination and Sleep Difficulties: Romantic Relationships as Risk and Resilience Factors

PHD CANDIDATES

GULNAZ KIPER

Psychology

Dissertation Chair: Daphna Oyserman
Dissertation: Believing That Difficulties are Character-building Supports Wellbeing and Positively Frames Daily Life

DEIRDRE KLOKOW

Classics

Dissertation Chair: Christelle Fischer-Bovet
Dissertation: Land and Empire: Environments, Economies, and the Nature of the Seleucid Empire

CJ KOCH

Chemistry

Dissertation Chair: Surya G Prakash
Dissertation: Advances in Carbon Dioxide Capture and Conversion to C₁ Products Utilizing Heterogeneous Catalysts

SOPHIA KOSLOSKI-OH

Chemistry

Dissertation Chair: Megan Fieser
Dissertation: Rational Design of Simple and Complex Rare Earth Metal Catalyst Systems to Enable Reactive, Controlled and Selective Block Copolymerization of Chemically Dissimilar Monomers

RAJAT KOCHHAR

Economics

Dissertation Chair: Matthew E. Kahn
Dissertation: Essays in Climate Change Adaptation and Mitigation

VICTORIA CELESTE LANCIOS

Biological Sciences - Marine Biology and Biological Oceanography

Dissertation Chair: J. Cameron Thrash
Dissertation: Ecophysiology of important understudied bacterioplankton through an integrated research and education approach

ALEXANDRA LANJEWAR

Neuroscience

Dissertation Chair: Pat Levitt
Dissertation: Dynamic processes underlying cerebral cortical development with lifespan impact

JUNG HYUK LEE

Economics

Dissertation Chair: Vittorio Bassi
Dissertation: Three essays on the microeconomic analysis of the labor market

LINFENG LI

Applied Mathematics

Dissertation Chair: Igor Kukavica
Dissertation: Mach limits and free boundary problems in fluid dynamics

TINGTING LI

Biological Sciences - Molecular Biology

Dissertation Chair: Susan L. Forsburg
Dissertation: KAT5 acetyltransferase in DNA damage response in *Schizosaccharomyces pombe*

XIONGFEI LI

Economics

Dissertation Chair: John Strauss
Dissertation: Essay in Development Economics

HENGDI LIANG

Ocean Sciences

Dissertation Chair: Seth John
Dissertation: Constraining global ocean alkalinity, barium, copper cycles and the biogeochemical processes through inverse models

THOMAS MATTHEW LINKER

Physics and Astronomy

Dissertation Chair: Aiichiro Nakano
Dissertation: Multi-Scale Quantum Dynamics and Machine Learning for Next Generation Energy Applications

LAWRENCE LIU

Physics and Astronomy

Dissertation Chair: Hubert Saleur
Dissertation: Emerging Jordan forms, with applications to critical statistical models and conformal field theory

TANISHA DENISE LONDON

Neuroscience

Dissertation Chair: Andrew Hires
Dissertation: Understanding the spatial and temporal dynamics of NE signaling during sensory integration

TSUNG-YU LU

Biological Sciences - Computational Biology and Bioinformatics

Dissertation Chair: Mark Chaisson
Dissertation: danbing-tk: A Computational Genetics Framework for Studying Variable Number Tandem Repeats

DANIEL LUNDSTROM

Applied Mathematics

Dissertation Chair: Meisam Razaviyayn and Jonathon Quong
Dissertation: A Rigorous Study of Game-Theoretic Attribution and Interaction Methods for Machine Learning Explainability

AMY MAHLER

Economics

Dissertation Chair: Jeffrey Weaver
Dissertation: Essays in Applied Microeconomics

JOTI MAKASPAK

Slavic Languages and Literatures

Dissertation Chair: Colleen McQuillen
Dissertation: Configurations of Kinship in the Work of Andrei Tarkovsky

PHD CANDIDATES

YVONNE MANJARREZ

Chemistry

Dissertation Chair: Megan Fieser
Dissertation: Using Lewis Acid Catalysts to Control the Ring-Opening Copolymerization for Polyester Synthesis and the Deconstruction of Polyethylene

RYAN MCMULLEN

Chemistry

Dissertation Chair: Stephen E. Bradforth
Dissertation: Liquid Phase Photoelectron Spectroscopy as a Tool to Probe Excess Electrons in Liquid Ammonia along with Birch Chemistry
Carbanions: From Dilute Electrolytic Solutions to the Metallic Regime

SEVAN MENACHEKANIAN

Chemistry

Dissertation Chair: Jahan Dawlaty
Dissertation: Potential Dependent Formation and Dissociation of Interfacial Lewis Adducts on a Gold Surface Probed by Vibrational Spectroscopy

AUSTIN MENCKE

Chemistry

Dissertation Chair: Mark Thompson
Dissertation: Utilization of N-Heterocyclic Chromophores for Solar Energy Conversion

NORAELEN MORA MENDEZ

Comparative Studies in Literature and Culture - Comparative Literature

Dissertation Chair: Erin Graff Zivin
Dissertation: Untimely Passages: Experiments in Venezuelan Literary and Visual Culture

JOHN STUART MILLER

History

Dissertation Chair: Alice Echols
Dissertation: Deviants and Dope: Psychoactive Drugs, the Construction of Sexual Pathology, and Gay Culture in the United States, 1922-2000

ALYSSA MORRIS

Psychology

Dissertation Chair: Darby Saxbe
Dissertation: Pregnancy in the Time of COVID-19: Effects on Perinatal Mental Health, Birth, and Infant Development

COLLIN NICHOLAS MUNIZ

Chemistry

Dissertation Chair: Mark Thompson
Dissertation: Designing Coinage Metal Complexes for Solar Fuels and Organic LEDs

ZACHARY WILLIAM MURDOCK

Neuroscience

Dissertation Chair: Laurent Itti
Dissertation: On Second Thought: Transferring Biological Visual-Attention Mechanisms to Computer Vision

DINA IGOREVNA MUROKH

Art History

Dissertation Chair: Vanessa Ruth Schwartz
Dissertation: "A Sort of Picture Gallery": Encounters with Print in Antebellum US Society

MASARU NAKAJIMA

Physics and Astronomy

Dissertation Chair: Stephan Haas
Dissertation: Analysis and Algorithms for Distinguishable RNA Secondary Structures

ANJU NALIKEZHATHU

Chemistry

Dissertation Chair: Travis Jesse Williams
Dissertation: Ruthenium Catalyzed Hydrogen-Borrowing Amine Alkylation Reactions

NICHOLAS GIANNI NAPOLIO

Political Science and International Relations

Dissertation Chair: Christian Grose and Jeff Nugent
Dissertation: Bureaucratic Politics and Power Building in the Administrative State

KRISHNA NARAYANAMURTI

English - Creative Writing and Literature

Dissertation Chair: David Treuer
Dissertation: An Almost Unbroken Place: Desert Aesthetics and Environmental Connection in Southwestern Literature

STEFANIE NEUMEIER

Political Science and International Relations

Dissertation Chair: Wayne Sandholtz
Dissertation: Refugee Protection and Empowerment Joint Venture: Understanding How and Why Public and Private Actors Cooperate to Tackle the Global Refugee Crisis

CHAU NGO

Chemistry

Dissertation Chair: Chao Zhang
Dissertation: Exploration of Latent Warheads for Covalent Inhibition of Proteins

TAI TIEN NGUYEN

Chemistry

Dissertation Chair: Chao Zhang
Dissertation: Optimization and mechanistic investigation of small-molecule agents for long-term ex vivo expansion of granulocyte-monocytes progenitors

CHRISTINA NIMAN

Physics and Astronomy

Dissertation Chair: Moh El-Naggar
Dissertation: Electronic, Electrochemical, and Spintronic Characterization of Bacterial Electron Transport

PHD CANDIDATES

JOHN NIMAN

Physics and Astronomy

Dissertation Chair: Vitaly Kresin
Dissertation: Experiments in Electrostatic Deflection of Doped Helium Nanodroplets

DIVANA OLIVAS

American Studies and Ethnicity

Dissertation Chair: Natalia Molina
Dissertation: Red or Green?: Chicano Food Imaginaries in New Mexico from Statehood to Climate Crisis

GERID A. OLLISON

Biological Sciences - Marine Biology and Biological Oceanography

Dissertation Chair: David A. Caron
Dissertation: Molecular Ecology of Metabolically Active Marine Protists: Diversity, Vertical Distribution, Temporal Dynamics, and Physiological Responses to Environmental Change

KAYLA ORLINSKY

Mathematics

Dissertation Chair: M. Susan Montgomery
Dissertation: An indicator formula for a semi-simple Hopf Algebra

MELISA OSBORNE

Biological Sciences - Molecular Biology

Dissertation Chair: Sergey Nuzhdin
Dissertation: Diversity and dynamics of giant kelp "seed-bank" microbiomes: Applications for the future of seaweed farming

J.E. PAGUYO

Applied Mathematics

Dissertation Chair: Jason Fulman
Dissertation: Limit Theorems for Three Random Discrete Structures via Stein's Method

GIN PARK

Mathematics

Dissertation Chair: Nicolai Haydn
Dissertation: Localized Escape Rate and Return Times Distribution

MARIA D. PEREZ

Political Science and International Relations

Dissertation Chair: Gerardo Munck
Dissertation: The Strategy of Firms Towards Political Elites and Consumers in Polarized Western Democracies

MEGHAN PETRIE

Biological Sciences - Molecular Biology

Dissertation Chair: Oscar Aparicio
Dissertation: Distinct mechanisms of DDK recruitment to Fkh-activated and CEN-proximal origins control replication timing program in *S. cerevisiae*

CORD-HEINRICH RICHARD

KARL PLINKE

Comparative Studies in Literature and Culture - Comparative Media and Culture

Dissertation Chair: Akira Mizuta Lippit
Dissertation: The Phenomenal Body: Abstraction, Alienation, and Affinity in Translation

BROCK PLUIMER

Neuroscience

Dissertation Chair: Jason Zevin
Dissertation: Lose Yourself: Consequences of altered states of consciousness on brain network connectivity

ELLYN PUESCHEL

Psychology

Dissertation Chair: Mary Helen Immordino-Yang
Dissertation: The Development of Error Monitoring and Relations to Social-Emotional Functioning

BLANCA A. RAMIREZ

Sociology

Dissertation Chair: Jody Agius Vallejo
Dissertation: Deserving of Immigration Attorneys

HANNAH RASMUSSEN

Psychology

Dissertation Chair: Gayla Margolin
Dissertation: Aggression in Close Relationships and Responses to Stress

YUBIN RAUT

Ocean Sciences

Dissertation Chair: Douglas G. Capone
Dissertation: Biological Nitrogen Fixation Associated with Living and Decomposing Macroalgae

JINGWEN REN

Biological Sciences - Computational Biology and Bioinformatics

Dissertation Chair: Mark Chaisson
Dissertation: Computational Algorithms For Studying Human Genetic Variation - Structural Variations And Variable Number Tandem Repeats

MAHSA REZAIYAN

Chemistry

Dissertation Chair: Mark Thompson
Dissertation: Thermoresponsive hydrogel biomedical application for ocular and burn wounds

SAMANTHA RIEMANN

Chemistry

Dissertation Chair: Charles McKenna
Dissertation: Design, Synthesis, and Antiviral Activities of Lipophilic Amino Acid Nucleoside Prodrugs

IAN ALEXANDER RIGBY

Linguistics

Dissertation Chair: Elsi Kaiser
Dissertation: Sound Symbolism and Visual Categorization

PHD CANDIDATES

KENDRICK BILAL ROBERSON

Political Science and International Relations
Dissertation Chair:
Ange-Marie Hancock Alfaro
Dissertation: Pernicious Racism and The Impacts of Intentional Racists in a Color-Blind Society

NICOLÁS AGUSTÍN ROIG

Economics
Dissertation Chair:
Paulina Oliva and Jeff Nugent
Dissertation: Essays in Development Economics and Adolescent Behavior

JENNA KATHERINE ROSS

History
Dissertation Chair: Paul Lerner
Dissertation: War of Emotion: Fear and the European Soldier, 1914-1918

MARIA RUGGERI

Biological Sciences - Marine Biology and Biological Oceanography
Dissertation Chair: Carly Kenkel
Dissertation: Genetic and environmental effects on thermal tolerance of symbiotic cnidarians

CHARLES RUSSELL-SCHLESINGER

Classics
Dissertation Chair: Daniel Richter
Dissertation: Looking Greek: Skin Color and Identity Construction in Heliodoros' Aethiopika

ALEXANDER ANDRE SAHAKIAN

Mathematics
Dissertation Chair: Sheel Ganatra
Dissertation: Generalized Calabi-Yau structures in open-string mirror symmetry

LAURA MUGICA SANCHEZ

Chemistry
Dissertation Chair:
Susumu Takahashi
Dissertation: Diamond Surface Chemistry for NV Quantum Sensing

KARINA SANTELLANO

Sociology
Dissertation Chair:
Jody Agius Vallejo
Dissertation: Brewing Cultura: How Latinx Millennials Craft Spaces of Belonging

KATIE SAYRE

Biological Sciences - Integrative and Evolutionary Biology
Dissertation Chair: David Raichlen
Dissertation: The Many Ways of Growing Old: Aging, activity patterns, and function in modern Tanzanian foragers

ALEXANDER SCHMITT

Chemistry
Dissertation Chair: Barry C. Thompson
Dissertation: Synthesis of Stereoregular Non-Conjugated Electroactive Polymers

SONIA MARYAM SETAYESH

Biological Sciences - Molecular Biology
Dissertation Chair: Peter Kuhn
Dissertation: Multi-level characterization of tumor molecular signatures associated with biological stage and progression dynamics using single cell analyses

ELISA SHIMADA

Sociology
Dissertation Chair:
Jen Hook and Rhacel Parreñas
Dissertation: In Health, In Sickness: Romantic Relationships During the COVID-19 Pandemic

KRISTINA SHKIRKOVA

Neuroscience
Dissertation Chair: Caleb Finch
Dissertation: Neurotoxicity Of Air Pollution Interacts with Chronic Cerebral Hypoperfusion

JAIDEEP SINGH

Chemistry
Dissertation Chair: Peter Qin
Dissertation: Site-Directed Spin-Labeling Studies of Nucleic-Acid Target-Recognition by Genome Engineering Enzymes

CALLIE SISKEL

English - Creative Writing and Literature
Dissertation Chair: David St. John
Dissertation: "Supposed to Carry Grief?": A Study of Post-WWII American Women's Elegy

JINA SONG

Linguistics - East Asian Linguistics
Dissertation Chair: Elsi Kaiser
Dissertation: Dynamics of Multiple Pronoun Resolution

MONICA SONG

Neuroscience
Dissertation Chair: Alan Watts
Dissertation: Mapping multi-scale connectivity of the mouse posterior parietal cortex

RUOZI SONG

Economics
Dissertation Chair:
Antonio Bento and Paulina Oliva
Dissertation: Essays in Environmental Economics

NICOLE STUHR

Biological Sciences - Molecular Biology
Dissertation Chair: Sean Curran
Dissertation: Genetic basis of diet-dependent behavior across the lifespan in *C. elegans*

ANNE ELIZABETH SULLIVAN

English
Dissertation Chair: Alice Gambrell
Dissertation: Immersive Shakespeare: Locating Early Modern Immersion in Contemporary Adaptations

PHD CANDIDATES

YING TAN

Applied Mathematics

Dissertation Chair: Jin Ma

Dissertation: Stochastic Two-point Boundary Value Problem and Application in Kyle-Back Equilibrium Model

JINGYI TIAN

Economics

Dissertation Chair:

Jonathan Alan Libgober

Dissertation: Topics in Platform Business and Information Disclosure

ARMEN TOKADJIAN

Physics and Astronomy

Dissertation Chair: Anthony Piro

Dissertation: Tides and Exomoons: Orbital Evolution, Detection, and Habitability

JUAN ANDRES ESPINOSA TORRES

Economics

Dissertation Chair: Pablo Kurlat

Dissertation: Three essays on heterogeneous responses to macroeconomic shocks.

CHRIS DAVID TURNER

Biological Sciences - Molecular Biology

Dissertation Chair: Sean Curran

Dissertation: Defining novel molecular mechanisms to restore balance of a stress response homeostat across spatial and temporal boundaries

ANTHONY GIANNI VACCARO

Psychology

Dissertation Chair: Jonas Kaplan

Dissertation: The Neuroscience of Ambivalent and Ambiguous Feelings

ANNE VAN WIJK

Political Science and International Relations

Dissertation Chair: Wayne Sandholtz

Dissertation: The IO contestation project: a multi-method approach towards understanding the ways states contest international organizations.

ISABEL FRAMPTON WADE

Art History

Dissertation Chair:

Vanessa Ruth Schwartz

Dissertation: Exposing Urban Form: Commercial Architectural Photography in Los Angeles, 1938-1981

LIJIA WANG

Applied Mathematics

Dissertation Chair: Larry Goldstein

Dissertation: Local perspectives in networks and asymmetric error controls

SHIYUN WANG

Mathematics

Dissertation Chair: Greta Panova

Dissertation: Applications on Symmetric and Quasisymmetric Functions.

YING WANG

Chemistry

Dissertation Chair: Stephan Haas

Dissertation: Superconductivity in low dimensional topological quantum systems

YINGFEI WANG

Biological Sciences - Computational Biology and Bioinformatics

Dissertation Chair: Remo Rohs

Dissertation: Understanding Transcription Factor-DNA Binding: Beyond DNA Sequence And Towards DNA Topology

SHANE WILLIAM WARD

Philosophy

Dissertation Chair: Mark Schroeder

Dissertation: Extending Credit

CHAO WEI

Neuroscience

Dissertation Chair: Scott Kanoski

Dissertation: Transient receptor potential melastatin 8 is required for migraine-like pain behaviors in mice

JASON EZRA WILLIAMS

Physics and Astronomy

Dissertation Chair:

Geraldine J. Peters

Dissertation: Detecting Atmospheres Through our Atmosphere: Reaching the fundamental limits of spectrophotometry with Henrietta

EMILY MAE WILLIAMSON

Chemistry

Dissertation Chair: Richard Brutchey

Dissertation: The Implementation of Data-Driven Techniques for the Synthesis and Optimization of Colloidal Inorganic Nanocrystals

KA LEE WONG

East Asian Languages and Cultures

Dissertation Chair: Brian Bernards

Dissertation: Speaking Back with Vulgarity: Sinophone Politics and Cantonese Media in Hong Kong, Malaysia and Singapore

HANK WOOLLEY

Earth Sciences

Dissertation Chair: David Bottjer

Dissertation: Assessing the Quality of the Fossil Record using a Phylogenetic Approach

LIYING YANG

Economics

Dissertation Chair: Geert Ridder

Dissertation: Essays on Estimation in Heterogeneous Short T Panel Data Models

SHAOSHUANG YANG

Economics

Dissertation Chair:

Ayşe Imrohoroglu and Pablo Kurlat

Dissertation: Essays on Innovation, Human Capital, and COVID-19 Related Policies

PHD CANDIDATES

NINA YANG

*Biological Sciences - Marine Biology
and Biological Oceanography*

Dissertation Chair: David Hutchins
Dissertation: Iron-dependent response
mechanisms of the nitrogen-fixing
cyanobacterium *Crocospaera* to
climate change

SHUNAN YAO

Applied Mathematics

Dissertation Chair: Stanislav Minsker
Dissertation: Asymptotic analysis for
asymmetric classification and robust
statistics

JIHYE YOO-LEE

Sociology

Dissertation Chair: Ann Owens
Dissertation: Friendship Networks
and Adolescent Behavior: The Role of
Network Structures in Facilitating
Substance Use Behavior

CLIO GONZALEZ ZACARIAS

Neuroscience

Dissertation Chair:
Richard M. Leahy and John C. Wood
Dissertation: Anemia and The White
Matter: A Diffusion Mri Analysis in The
Human Brain

YUNKE ZHAO

Biological Sciences - Molecular Biology

Dissertation Chair: Fabien Pinaud
Dissertation: Nanoscale Dynamics
of Voltage-gated Calcium Channels at
the Presynaptic Active Zone in live
C. elegans

JIAN ZHOU

Mathematics

Dissertation Chair: Sheel Ganatra
Dissertation: Categorical link closure in
partially wrapped Fukaya categories

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