

Yale University



Graduate School  
of Arts and Sciences

*Diploma Ceremony*

Monday, May 18, 2020

### THE NEWBERRY MEMORIAL ORGAN, WOOLSEY HALL

Built in 1901 by the Hutchings-Votey Organ Company of Boston, Massachusetts, the Newberry Memorial Organ was improved mechanically and almost doubled in size in 1915 and was then rebuilt and greatly enlarged in 1928. One of the largest, most outstanding, and beautiful instruments of this period, it is kept in excellent playing condition and is used throughout the academic year for recitals and concerts. The organ has 12,617 pipes in a three-story chamber. An “echo room” in the basement of Woolsey Hall has 700 additional pipes of zinc, lead, and sugar pine, producing tones that sound like horns, flutes, and whistles. The instrument, which requires tuning three times a year due to changes in humidity and temperature, is powered by two 20-horsepower motors.



#### THE SHIELD OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES

The design for the Graduate School shield was drawn by Yale art professor Theodore Sizer and approved by the University. Four themes are symbolized in the arms of the School. The background of the “chief” (the place of honor) is Yale blue, with Roman numerals in white representing 1847, the year of the founding of the Department of Philosophy and the Arts, the earliest formal organization for graduate study at Yale and, in fact, in the entire United States. Below, on a white background, is a black Y-shaped device representing the “pallium,” a garment worn by philosophers in ancient Rome, and frequently used as a symbol for Yale. The three red crosses are derived from the arms of Bishop George Berkeley, who established in 1732 an endowment for Yale College graduates “reading for the second degree.” These were the first scholarships exclusively for graduate study at Yale.

#### THE MACE OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES

The mace is carried at the head of ceremonial processions by the School’s marshal and displayed at such events as the annual Matriculation ceremony, awards Convocation, and Commencement.

The shaft of the mace is turned red mahogany. Inset near the top of the shaft on two sides is the shield of the Graduate School, rendered in cloisonné-enameled metal. For description of the shield, see above. The shaft is topped by a disk of grained red and black macassar ebony, on which sits a large, faceted crystal orb, the chief design element of the mace. The orb symbolizes several characteristics of advanced study in the arts and sciences. The global shape suggests the ambition of advanced study to be comprehensive in its inquiry. The transparent clarity of the fine Austrian lead crystal of which the orb is made alludes to the motto of Yale University, *Lux et Veritas*, and to the enlightenment that scholars seek in their research and teaching. Finally, the many facets of the orb symbolize the complexity of advanced learning in the arts and sciences and the importance of approaching its subjects from many intellectual directions.

In addition to the large ceremonial school mace described above, there are four smaller maces that are carried by faculty and staff marshals. These marshals’ batons each have a similarly turned shaft of mahogany. At their tops is a single enameled shield.



# *Order of Exercises*

COMMENCEMENT DIPLOMA CEREMONY

Graduate School of Arts and Sciences

*Monday, May 18, 2020*

*Lynn Cooley, Dean of the Graduate School  
C.N.H Long Professor of Genetics  
Professor, Cell Biology and Molecular, Cellular, and  
Developmental Biology*

*Pamela Schirmeister, Deputy Dean and Dean of  
Strategic Initiatives*

*Michelle Nearon, Senior Associate Dean for  
Graduate Student Development and Diversity*

*Jasmina Besirevic Regan, Associate Dean for  
Partnerships and Special Projects*

*Ann Gaylin, Associate Dean for Graduate  
Education*

*Richard Sleight, Associate Dean for Graduate  
Student Academic Support*

*Lisa Brandes, Assistant Dean*

*Robert Harper-Mangels, Assistant Dean*

*Denzil Street, Assistant Dean*

## RECOGNITION OF STUDENT PRIZE RECIPIENTS

The **Henry Prentiss Becton Prize** for exceptional achievement in research is awarded to a graduate student within the Council of Engineering.

QIUSHI GUO

*Electrical Engineering*

Adviser: Fengnian Xia

The **Frederick W. Beinecke Prize** is awarded upon the recommendation of the History Department for an outstanding doctoral dissertation in the field of Western American History.

CAROLINE LIEFFERS

*History of Science and Medicine*

Adviser: John Warner

The **Frances Blanshard Fellowship Prize** is awarded annually for the outstanding doctoral dissertations submitted to the History of Art Department.

YONG CHO

*History of Art*

Adviser: Mimi Yiengpruksawan

NICOLE PAXTON SULLO

*History of Art*

Adviser: Robert Nelson

The **Harding Bliss Prize** for Excellence in Engineering and Applied Science is awarded annually to the outstanding student who has completed his or her Ph.D. thesis during the current academic year and who has done the most to further the intellectual life of the department.

BRIDGET HEGARTY

*Chemical & Environmental Engineering*

Adviser: Jordan Peccia

The **Sylvia Ardyn Boone Prize** is awarded annually in memory of Sylvia Boone, a noted scholar of African art, who was the first tenured African-American woman on the Yale faculty. In her memory, Vera Wells, Yale '71, has

established a prize to honor Sylvia Boone's life and work.

LUCY CAPLAN

*American Studies; African American Studies*

Adviser: Daphne Brooks

CAMILLE OWENS

*African American Studies; American Studies*

Adviser: Jacqueline Goldsby

The **F. Herbert Bormann Prize** is awarded annually to a doctoral student who produces a publication judged to best exemplify Herb's legacy: interdisciplinary research that creates new insights into the relationship between humans and the environment.

PETER UMUNAY

*Forestry and Environmental Studies*

Adviser: Tim Gregoire

The **Dirk Brouwer Memorial Prize** was established in 1966 by friends of Professor Dirk Brouwer, Chairman of the Department of Astronomy and Director of the Yale Observatory from 1941 to 1966. It is awarded to a student in the department for a contribution of unusual merit to any branch of astronomy.

JOHANNES ULF LANGE

*Astronomy*

Adviser: Frank van den Bosch

ANGELO RICARTE

*Astronomy*

Adviser: Priyamvada Natarjan

The **George Washington Egleston Historical Prize**, established in 1901, is awarded annually to a research student who discovers new facts of importance for American history or gathers information or reaches conclusions which are useful from a historical, literary, and critical point of view.

JUSTIN RANDOLPH

*History*

Advisers: Glenda Gilmore and Beverly Gage

The **English Department Dissertation Prize** is awarded for the best dissertation submitted to the Department of English in the current year.

CARLOS ALONSO NUGENT

*English Language and Literature*

Advisers: Wai Chee Dimock, Amy Hungerford, and Michael Warner

#### **Honorable Mention**

ANNA SHECHTMAN

*English Language and Literature; Film and Media Studies*

Advisers: Amy Hungerford, John Durham Peters, and Michael Warner

#### **Honorable Mention**

BRITTANY LEVINGSTON

*English Language and Literature; African American Studies*

Advisers: Jacqueline Goldsby, Anthony Reed, and Robert Stepto

The **Estwing Hammer Prize** is awarded by the Estwing Manufacturing company to outstanding geology or geophysics graduate students.

JOACHIM KATCHINOFF

*Geology and Geophysics*

Adviser: Noah Planavsky

The **Excellence in Teaching Prize** is given in recognition of a student's outstanding contribution to the teaching process at the Department of Geology and Geophysics.

ULLA HEEDE

*Geology and Geophysics*

Adviser: Alexey Fedorov

SOPHIE WESTACOTT

*Geology and Geophysics*

Adviser: Pincelli Hull

The **Harry Burr Ferris Prize** was established by Harry Burr Ferris (B.A. 1887, M.D. 1890), who was the E. K. Hunt Professor of Anatomy in the Department of Anatomy, the predecessor to the current Department of Cell Biology. The Prize is

awarded to a Cell Biology student for a doctoral dissertation demonstrating exceptional research and scholarship.

JOSEPH AMICK

*Cell Biology*

Adviser: Shawn Ferguson

EMMA SUNDBERG

*Cell Biology*

Adviser: Christopher Burd

DAVID THALLER

*Cell Biology*

Adviser: Patrick Lusk

DIANA VALVERDE

*Cell Biology*

Adviser: Karin Reinisch

The **William Ebenezer Ford Prize** was established in 1963 by gift from Mary Ford in memory of her husband, Professor William E. Ford, Ph.B. 1899, Ph.D. 1903. It is awarded to students who have distinguished themselves in study or research in mineralogy.

ZHENG GONG

*Geology and Geophysics*

Adviser: David Evans

MICHAEL HANSON

*Geology and Geophysics*

Adviser: Bhart-Anjan Bhullar

The **Hans Gatzke Prize** is awarded upon the recommendation of the History Department for the outstanding dissertation or dissertations in a field of European history.

KEVIN FEENEY

*History*

Adviser: Noel Lenski

CHOON HWEE KOH

*History*

Adviser: Alan Mikhail

The ***Award for Academic Excellence in Global Affairs*** is given to the master's student in Global Affairs with the highest academic achievement.

VU ANG HA  
*Global Affairs*

TUOMAS LIHR  
*Global Affairs*

The ***James B. Grossman Dissertation Prize*** was established in memory of a doctoral student in Psychology. It is given to the author of an outstanding Ph.D. dissertation in Psychology, with preference for research embodying some of the characteristics of James Grossman's scholarship, such as creativity, use of other disciplines, and clinical work with children.

KEVIN ANDERSON  
*Psychology*  
Adviser: Avram J. Holmes

APRIL BAILEY  
*Psychology*  
Advisers: Marianne LaFrance and John F. Dovidio

The ***Mary Ellen Jones (Ph.D. 1951, Biochemistry) Prize*** is awarded to the most distinguished dissertation in Molecular Biophysics & Biochemistry submitted during the academic year. Dr. Jones's was a leading scientist and a pioneer in the advancement of women in academia.

TARA ALPERT  
*Molecular Biophysics and Biochemistry*  
Adviser: Karla Neugebauer

JEREMY SCHOFIELD  
*Molecular Biophysics and Biochemistry*  
Adviser: Matthew Simon

The ***Annie Le Fellowship*** is awarded each year to one or more Ph.D. students in the biological and biomedical sciences whose demonstrated commitment to bettering the world around them and outstanding record in research exemplify the life and career of Annie Marie Le, a Yale graduate student between 2007 and 2009.

MELANIE BRADY  
*Interdepartmental Neuroscience Program*  
Adviser: Flora Vaccarino

SHARIF KRONEMER  
*Interdepartmental Neuroscience Program*  
Adviser: Hal Blumenfeld

The ***Elias Loomis Prize*** was awarded for excellence in studies of physics of the earth. Elias Loomis was a professor of natural philosophy and astronomy in Yale College.

YOSHINORI MIYAZAKI  
*Geology and Geophysics*  
Adviser: Jun Korenaga

NICOLE SHIBLEY  
*Geology and Geophysics*  
Adviser: Mary-Louise Timmermans

The ***James G. March*** award was established in 2018 by Professor Jim March (Ph.D. '53) and is awarded annually to an outstanding dissertation from any field of Political Science.

STEPHEN MONCRIEF  
*Political Science*  
Adviser: Elisabeth Wood

KYLE PEYTON  
*Political Science*  
Adviser: Gregory Huber

The ***Neuroscience Doctoral Thesis Prize*** was established in 2020 by Sandra and Charles Greer and is awarded annually to a graduate student in neuroscience whose Ph.D. thesis reflects the highest standards of scientific achievement.

USMAN FAROOQ  
*Interdepartmental Neuroscience Program*  
Adviser: George Dragoi

The ***John Spangler Nicholas (Ph.D. 1921) Prize*** was established in 1972 by bequest of Helen Brown Nicholas in memory of her husband. The prize is awarded annually to outstanding doctoral candidates in experimental zoology.

CHRISTOPHER DUTTON

*Ecology and Evolutionary Biology*

Adviser: David Post

The **Philip M. Orville Prize** was established in 1981 in memory of Philip M. Orville. The prize is awarded to graduate students in geology and geophysics in recognition of outstanding research and scholarship in the earth sciences.

NEALA CREAMY

*Geology and Geophysics*

Adviser: Maureen Long

NICOLAS MONGIARDINO KOCH

*Geology and Geophysics*

Adviser: Derek Briggs

The **Marguerite A. Peyre Prize** was established in 1964 and is awarded at the discretion of the chair of the Department of French to a graduate student in that department.

IAN CURTIS

*French*

Adviser: Alice Kaplan

IMANE TERHMINA

*French*

Advisers: Jill Jarvis and Christopher Miller

The **George Gaylord Simpson Prize** was established in 1984 in honor of Professor Simpson and is awarded to graduate students and recent Ph.D. recipients for an exceptional paper concerning evolution and the fossil record.

ROSS P. ANDERSON

*Geology and Geophysics*

Adviser: Derek Briggs

MICHAEL HANSON

*Geology and Geophysics*

Adviser: Bhart-Anjan Bhullar

ELIZABETH SPRIGGS

*Ecology and Evolutionary Biology*

Adviser: Michael Donoghue

The **Carolyn Slayman Prize** in Genetics recognizes the remarkable achievements of our

best students in the Department of Genetics, based on their body of work, the impact of their findings in the field of Genetics and their commitment to the Genetics Graduate Program and graduate education at Yale.

SHUN HANG CHAN

*Genetics*

Adviser: Antonio Giraldez

The **Edwin W. Small Prize** was established in memory of Edwin W. Small (B.A. 1930, M.A. 1934) and is awarded in recognition and furtherance of outstanding work in the field of American history.

ASHANTI SHIH

*History of Science and Medicine*

Adviser: Paul Sabin

JAMES SHINN

*History*

Adviser: David Blight

The **Marvin B. Sussman Prize** is awarded annually by the Sociology department to the graduate student whose distinguished dissertation, completed within the previous two academic years, is judged the most outstanding.

HIROKAZU SHIRADO

*Sociology*

Advisers: Nicholas Christakis, Emily Erikson, Forrest Crawford, and Andrew Papachristos

The **George Trimis Prize** was established in May 2003 in memory of a doctoral student in Economics who succumbed to cancer. In recognition of the extraordinary example that Trimis set, the prize is awarded to students whose dissertations demonstrate exceptional and distinguished achievement.

IAN BALL

*Economics*

Advisers: Dirk Bergemann, Johannes Horner, and Larry Samuelson

RO'EE LEVY

*Economics*

Advisers: Dean Karlan, Joseph Shapiro, and Ebonya Washington



OREN SARIG

*Economics*

Advisers: Jason Abaluck, Steven Berry, and Philip Haile

HANNAH TRACHTMAN

*Economics*

Advisers: Jason Abaluck, Dean Karlan, Costas Meghir, and Chris Udry

KATHERINE WAGNER

*Economics*

Advisers: Jason Abaluck, Joseph Altonji, Matthew Kotchner, and Joseph Shapiro

CONOR WALSH

*Economics*

Advisers: Costas Arkolakis, Samuel Kortum, Giuseppe Moscarini, and Michael Peters

PENGPENG XIAO

*Economics*

Advisers: Joseph Altonji, Ilse Lindenlaub, and Costas Meghir

The **Karl K. Turekian Prize** is awarded for excellence in geochemical or cosmochemical studies.

DANIEL GASKELL

*Geology and Geophysics*

Adviser: Pincelli Hull

BORIANA KALDERON ASael

*Geology and Geophysics*

Adviser: Noah Planavsky

The **21st Century Prize** is given to a graduate whose distinguished dissertation in Sociology contributes to public policy or the public interest.

CELENE REYNOLDS

*Sociology*

Advisers: Julia Adams, Rene Almeling, and Emily Erikson

The **Colin White Prize** is awarded annually to an outstanding graduate student in Public Health.

QILE DAI

*Public Health*

Adviser: Elizabeth Claus

The **Richard Wolfgang Prize** was established in 1971 in memory of Richard Leopold Wolfgang, M.A. Hon. 1962, and member of the faculty from 1956 to 1971. It is awarded each year for the best doctoral theses of graduating chemistry students.

DANICA CUI

*Chemistry*

Adviser: J. Patrick Loria

MASHA ELKIN

*Chemistry*

Adviser: Timothy Newhouse

CATHERINE WISE

*Chemistry*

Adviser: James Mayer

The **Arthur and Mary Wright Prize** is awarded upon the recommendation of the History Department for the outstanding dissertation or dissertations in the field of history outside the United States or Europe.

KERI LAMBERT

*History*

Adviser: Robert Harms

CAMILLE COLE

*History*

Adviser: Alan Mikhail

### University Awards

The **Theron Rockwell Field Prize** was established in 1957 by Emilia R. Field in memory of her husband, Theron Rockwell Field, Ph.B. 1889. It is awarded for poetic, literary, or religious works by any students enrolled in the University for a degree. This prize is awarded by the Office of the Secretary of Yale University.

CLIO DOYLE

*Renaissance Studies; English Language and Literature*

Advisers: Catherine Nicholson and Lawrence Manley

DANIEL EASTMAN

*Religious Studies*

Adviser: Stephen Davis

The **John Addison Porter Prize**, named in honor of Professor John Addison Porter, B.A. 1842, is awarded for a work of scholarship in any field where it is possible, through original effort, to gather and relate facts or principles, or both, and to present the results in such a literary form as to make the project of general human interest. This prize is awarded by the Office of the Secretary of Yale University.

AYTEN TARTICI

*Comparative Literature*

Advisers: Amy Hungerford, Carol Jacobs, and Ruth Yeazell

KEVIN FEENEY

*History*

Adviser: Noel Lenski

### **Public Service Awards**

The **Community Service Award** honors a graduate student's volunteer work in the local community while enrolled at Yale.

YANIXA QUIÑONES AVILÉS

*Genetics*

The **Public Scholar Award** recognizes research and activism pursued by a Yale graduate student that engages and betters the world at large.

NICHOLE NELSON

*History*

### **Graduating Winners of Prize Teaching Fellowships**

SAMANTHA BERSTLER

*Philosophy*

2017-18

SEAN BICKERTON

*Biomedical Engineering; MD/PhD*

2017-18

LUCIA HULSETH

*Religious Studies*

2017-18, 2018-19

LEE JOHNSON

*American Studies*

2018-19

STEFAN KRASTANOV

*Physics*

2016-17

DON LI

*Cell Biology; MD/PhD*

2017-18

MARKO MITROVIC

*Computer Science*

2018-19

### **Graduate Mentor Awards**

*Humanities*

JOANNE MEYEROWITZ, Arthur Unobskey  
Professor of History and Professor of American Studies

*Natural Sciences*

PIETER VAN DOKKUM, Sol Goldman Family  
Professor of Astronomy and Professor of Physics

*Social Sciences*

MICHAEL KRAUS, Assistant Professor of  
Organizational Behavior, School of Management

## DEGREES GRANTED, DECEMBER 2019 AND MAY 2020

### AFRICAN AMERICAN STUDIES

#### Doctor of Philosophy

Andrew Edmund Dowe

*Cruising Homophobias: Race, Gender, Sexuality and the  
Triangulations of Empire*  
American Studies

Nicholas Forster

*“The Period Between Was My Life”: Self-Adaptation and  
the Many Lives of Bill Gunn*  
Film and Media Studies

Camille Serafina Owens

*Blackness and the Human Child: Race, Prodigy, and the  
Logic of American Childhood*  
American Studies

Aaron James Sweeney

*Into the Citadel: Mid-Twentieth Century African  
American Writers in the Mainstream Publishing Industry*  
American Studies

Keahnan Patrick Washington

*“There Has to Be Reciprocity”: Love-Politics, Expertise, and  
the Reimagining of Political Possibility with Formerly-  
Incarcerated Organizers in New Orleans*  
Anthropology

Christina Siobhan Wells

*Making Art, Making Space: The Infrapolitics of Black  
Creative Collectivity in the Global City*  
Sociology

#### Master of Philosophy

Stephane Daniel Andrade

Sociology

Alycia Nakia Hall

History  
Master of Arts

Jub Ubuntu Sankofa

American Studies

#### Master of Arts

Kiersten Ann King

American Studies

Jeong Yeon Lee

English Language and Literature

Jocelyn Proietti

American Studies

Alexandra Monet Thomas

History of Art

### AFRICAN STUDIES

#### Master of Arts

Paul Connor Compton

Jonathan Doernhofer

Harry Green

Papa Yoofi Yankeh Nketsiah

Ethan Timmins-Schiffman

Samuel Weber

### AMERICAN STUDIES

#### Doctor of Philosophy

Lucy Meredith Caplan

*High Culture on the Lower Frequencies: African  
Americans and Opera, 1900-1933*  
African American Studies

Fadila Habchi

*Urban Imaginaries: The City and the Postcolonial Literary  
Imagination*  
African American Studies

Lee Helen Johnson

*Family Conceptions: Technologies of Asian American  
Family Formation*

Ittai Orr

*American Intelligences: Varieties of Mind Before IQ*

Sebastian Perez

*Beyond Borinquen: Images and their Afterlives in the  
Puerto Rican Diaspora*

Iliana Yamileth Rodriguez

*Constructing Mexican Atlanta, 1980-2016*

Courtney Lindsey Akiko Sato

*Crossroads of the Pacific: Entanglements of Pan-Asianism,  
Anticolonialism, and Internationalism, 1917-1939*

Randa May Tawil

*Routes of Race: Migrations between Greater Syria,  
Mandate Lebanon, and the United States 1881-1945*

Van My Truong

*The Utopics of Migrant Melancholia: Cultures and  
Practices of Memory in Contemporary Migrant Life*

Damian Vergara Bracamontes

*The Administration of Illegality and Mexican Migrant Life*

Alexia Victoria Williams

*Black Revolutionary Saints: Roman Catholicism & The U.S. Racial Imagination*  
African American Studies

### Master of Philosophy

David Sapir Lesser  
Master of Arts

Ellen Marjorie Louis  
Master of Arts

Isabel Ortiz  
Master of Arts

Jacinda Spring Tran

### Master of Arts

Seunghwa Madeleine Han

Joseph Buchanan Landman

Daniella Posy

Jacinda Spring Tran

Cooper Weissman

## ANTHROPOLOGY

### Doctor of Philosophy

Kendall Arslanian  
*Early Life in Samoa: Nutritional and Genetic Predictors of Infant Body Composition and an Analysis of Maternal Attitudes toward Breastfeeding*

Hatice Nilay Erten  
*At Least Three Children: Politics of Reproduction, Health and Care in Pronatalist Turkey*

Myles Benjamin Lennon  
*Affective Energy: Intersectional Solar Transitions in a Late-Liberal Metropolis*  
Forestry and Environmental Studies

Kristen English McLean  
*Fatherhood and Futurity: Youth, Masculinity, and Contingency in Post-Crisis Sierra Leone*

Alyssa Paredes  
*Plantation Peripheries: The Multiple Makings of Asia's Banana Republic*

Jacob Emanuel Rinck  
*The Future of Political Economy: International Labor Migration, Agrarian Change and Shifting Developmental Visions in Nepal*

Kyle Steven Wiley  
*Intergenerational Consequences of Interpersonal Violence: The Role of Fetal Programming*

Michelle Elizabeth Young  
*The Chavín Phenomenon in Huancavelica, Peru: Interregional Interaction, Ritual Practice, and Social Transformations at Atalla*

### Master of Philosophy

Emily Sarah Briggs  
Forestry and Environmental Studies

Jessica P. Cerdena  
MD/PhD Program

Carlye Brennan Chaney

Bukhchuluun Dashzeveg

Corey Alexander Herrmann

Chelsea Jack

Amy Leigh Johnson  
Forestry and Environmental Studies

Vanessa Choo Sze Koh  
Forestry and Environmental Studies

Rachel Naa-Du Laryea  
African American Studies  
Master of Arts

Tanmoy Sharma

## APPLIED PHYSICS

### Doctor of Philosophy

Linshu Li  
*Overcoming Excitation Loss in Quantum Systems*

Xin Liang  
*First Principles Studies of Photoelasticity and Two-dimensional Silica*

Philip Charles Reinhold  
*Controlling Error-Correctable Bosonic Qubits*

Kyle Anthony Serniak  
*Nonequilibrium Quasiparticles in Superconducting Qubits*

Steven Touzard  
*Stabilization of Bosonic Codes in Superconducting Circuits*

Wen Xiong  
*Spatial Degrees of Freedom in Multimode Fibers*

Evan Andrew Zalys-Geller  
*Time-bin Entanglement Between Remote Superconducting  
Cavity Resonators*

### **Master of Philosophy**

Salvatore Sautto Elder Jr.  
Master of Science

Parker Alexander Henry  
Master of Science

### **Master of Science**

Nasser Bader Nasser Alhouti

KungDuk Kim

Ruo Ping Li

Bradley Magnetta

Yiqi Wang

## **ARCHAEOLOGICAL STUDIES**

### **Master of Arts**

Adrian Elise Natale

## **ARCHITECTURE**

### **Doctor of Philosophy**

Gary Huafan He  
*Ornaments of the Third Republic: Antonin Raguenet and  
the Matériaux et documents d'architecture et de sculpture*

### **Master of Philosophy**

Zachariah Augustine Michielli

Summer Stephanie Sutton

## **ASTRONOMY**

### **Doctor of Philosophy**

Arthur Daniel Adams  
*Atmospheric Responses to Radiative Forcing: Physics and  
Observability of Close-in and Highly Eccentric Planets*

Jesse Robb Feddersen  
*Stirring a Giant: Feedback in the Orion A Molecular  
Cloud*

Johannes Ulf Lange  
*Probing the Galaxy-Halo Connection and Cosmology in  
the Non-Linear Regime*

Sarah Catherine Millholland  
*Data-Driven Dynamics of Planetary Systems*

Angelo Romeo Ricarte  
*The Assembly of Supermassive Black Holes: from the  
Seeding Epoch to the Present Day*

### **Master of Philosophy**

Uddipan Banik  
Master of Science

Aritra Ghosh  
Master of Science

Timothy Blake Miller  
Master of Science

Malena Phiyen Rice  
Master of Science

## **CELL BIOLOGY**

### **Doctor of Philosophy**

Alexandra Ellen Albert  
*Targeting Cellular Stress Responses in Lung  
Adenocarcinoma*  
MD/PhD Program

Joseph Ryan Amick  
*Communication of Cationic Amino Acid Availability by  
Lysosomal Proteins*

Michael Hyo Keun Cha  
*Cryo-EM Studies of Monomeric and Dimeric Kinesin-  
Microtubule Complexes*

Madeleine Chalfant  
*TorsinA Expression in Budding Yeast Points to Missing  
LINC in DYT1 Dystonia Pathogenesis*

Xinyue Chen  
*MLL-AF9 Initiates Leukemic Transformation from Fast-  
Proliferating Myeloid Progenitors*

Anna Elizabeth Eastman  
*A Fluorescent Reporter of Cell Cycle Speed*

Amaleah Ann Hartman  
*Non-Cell-Autonomous Promotion of Pluripotency  
Induction Mediated by YAP*

Omar Saul Julca Zevallos  
*TUG Regulates Membrane Fusion at the Early Secretory  
Pathway*

Don Tianmu Li

*Two Ways from the Golgi: Integrating Glucose and Energy through TUG Protein*  
MD/PhD Program

Gyong Ju Min

*Activation of Smad 2/3 Signaling by Low Shear Stress Mediates Artery Inward Remodeling*

Emma Llewellyn Sundberg

*Coordinated Sorting of Proteins and Lipids in the Secretory Pathway*

David John Thaller

*A Surveillance Mechanism that Maintains the Integrity of the Nuclear Envelope Barrier*

Diana Pamela Valverde

*Lipid Trafficking in Close Proximity: Insights into Protein-Mediated Lipid Transport from Structural and Biochemical Studies*

Chao Zhang

*Effectors of Polycystin Function Defined by In Vivo Cell Type Specific Transcriptional Profiling*

Wenping Zhou

*Dynamics Regulation of Akt Signaling and Its Role in Artery Specification*

## Master of Philosophy

Alexander Michael Anneken

Lukas Allen Fuentes

Andres Guillen

Noelle Lauren Koonce

Qiancheng Xiong

## CELLULAR AND MOLECULAR PHYSIOLOGY

### Doctor of Philosophy

Evan Oliver Anderson

*Mediators and Modulators of Mechanotransduction in the Somatosensory System*

Patrick James Dunn

*A High-throughput Gain of Function Screen Identifies ABC Transporters as Modulators of VRAC-dependent ATP Release*

### Master of Philosophy

Xiruo Li

## CHEMISTRY

### Doctor of Philosophy

Gourab Banerjee

*Deciphering Photosynthetic Water-Oxidation using Small Molecule Probes*

Victor Andrenique Beaumont

*Functional Implications of Conformational Dynamics of Protein Tyrosine Phosphatases*

Danica Shintow Cui

*Development of Efficient Methods for Protein NMR Spectroscopy and Insights into Allostery and Conformational Dynamics in Protein Tyrosine Phosphatase 1B*

Joanna Kara Denton

*Effects of Metal Binding and Microhydration on Gas-Phase Carboxylates and Related Species Analyzed by Vibrational Spectroscopy*

Chinh Hoang Duong

*Development of a Limited-Background Cryogenic Two-Color IR-IR Photofragmentation Spectrometer for the Isolation and Characterization of Hydrogen Bonds: Directly Probing the Vibrational Contributions of a Single Oscillator*

Masha Elkin

*Computational Techniques Enable the Total Synthesis of DMOA-Meroterpenoids*

Ipsita Ghosh

*Revealing the Role of the Hydrogen-Bonded Protein Network in Water Oxidation in Photosystem II*

Tyler Norman Goddard

*Biocatalytic Transformation of Aging-Associated Metabolites*

Aarushi Gupta

*Development of New Lipid-based Probes to Measure Endosome Motility with STED Microscopy*

Jessica Elisabeth Heimann

*Mechanism-Dependent Effects on the Insertion of Carbon Dioxide into Metal-Element Sigma-Bonds*

Jihye Jo

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