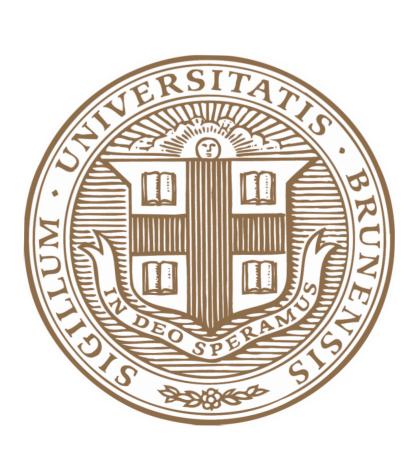
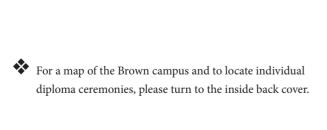
Brown University

The Two Hundred and Forty-Fifth

Commencement





Brown University

PROVIDENCE, RHODE ISLAND MAY 26, 2013



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Commencement Summary (ALL TIMES ARE ESTIMATED)

Seating on the College Green is on a first-come basis outside the center section. 9:30 A.M. Seniors line up on Waterman Street. 9:45 A.M. Procession begins through Faunce Arch. 10:15 A.M. Graduate School ceremony on Simmons Quadrangle. 11:15 A.M. Medical School Ceremony at the First Unitarian Church. 12:10 P.M. College ceremony on First Baptist Church grounds begins (simulcast). 12:35 P.M. Seniors begin to arrive back on the College Green to be seated in the center section. * Half arrive through the north (Hope College) gate. * Half arrive through the south (Rhode Island Hall) gate. 1:00 P.M. University ceremony on College Green begins. * Senior orations * Honorary degrees * Symbolic degrees 2:00 P.M. University ceremony on College Green ends. 2:15 P.M. Diploma ceremonies begin. A listing of the locations appears on page 32 of the program.

The day begins with a procession during which the candidates for degrees march across the College Green, led by the chief marshal party, Brown band, presidential party, Corporation, senior administration, and faculty. In addition, alumni who have returned for reunions march with their classes. Once the last person is through the Van Wickle Gates on the front green, the procession inverts and continues down College street with each participant applauding the others.

The Medical School adjourns to the First Unitarian Church on Benefit and Benevolent streets. The Graduate School procession ends on Simmons Quadrangle, where a tent accommodates spectators; additional seating is available in Metcalf Friedman Auditorium, with viewing by simulcast.

The senior class marches down College, Benefit, and Waterman streets to the First Baptist Church in America and assembles on the lawn. Family and friends wait on the College Green, where large screens afford a continuous view of the proceedings. Afterward, the seniors walk up the hill and take seats on the College Green for the University ceremony.

Parents, relatives, and friends of seniors are advised to find seats on the College Green during the opening procession. The best opportunity to take photographs of graduating seniors is at the diploma ceremonies in the afternoon. In addition, the Van Wickle Gates will remain open for photographs until 6 p.m. on Monday.

The College Ceremony

THE GROUNDS OF
THE FIRST BAPTIST CHURCH
IN AMERICA
12:10 P.M.
(ESTIMATED)



PRESIDING

Christina H. Paxson President

THE NATIONAL ANTHEM Jacob Scharfman '13

INVOCATION

The Reverend Janet Cooper Nelson Chaplain of the University

CONFERRING OF THE BACCALAUREATE DEGREES

Christina H. Paxson At the conclusion of the exercises the assembly will move to the College Green for the University ceremony. (See page 4.)

THE MEETING HOUSE OF THE FIRST BAPTIST CHURCH IN AMERICA

The Meeting House, completed in 1775, was built "for the Publick Worship of Almighty God, and also for holding Commencement in." Central parts of the Brown Commencement ceremonies have been held here ever since. Moreover, during their tenure three Brown presidents were also ministers of this church, and all of the presidents who held office between 1764 and 1937 were Baptist clergy. The conferral of baccalaureate degrees will take place on the grounds of the Meeting House and continue with the senior orations at the University ceremony on the College Green. Today's ceremonies keep the class of 2013 together and maintain a meaningful portion of the Commencement ceremony on the Meeting House grounds.

Schedule in the Event of Storm Conditions

THE PAUL BAILEY PIZZITOLA MEMORIAL SPORTS CENTER 12 NOON



PRESIDING

Christina H. Paxson *President*

THE NATIONAL ANTHEM Jacob Scharfman '13

INVOCATION

The Reverend Janet Cooper Nelson Chaplain of the University

SENIOR ORATIONS

Tanayott Thaweethai '13 "Doors"

Elizabeth Susan Mills '13 "Heads Up"

CONFERRING OF HONORARY DEGREES*

PRESENTERS:
Joseph M. Pucci
Associate Professor of Classics and
Comparative Literature

Stephen Merriam Foley '74 Secretary of the Faculty, Associate Professor of English

CONFERRING OF THE BACCALAUREATE DEGREES Christina H. Paxson

PRESENTATION OF BACCALAUREATE DEGREE RECIPIENTS

Katherine Bergeron Dean of the College, Professor of Music

Dean of the Faculty

CONFERRING OF MASTER OF ARTS DEGREES, ad eundem** PRESENTER: Kevin McLaughlin

RECOGNITION OF FACULTY‡

PRESENTATION OF FACULTY TEACHING EXCELLENCE AWARDS‡

PRESENTER: Kevin McLaughlin Dean of the Faculty

CONFERRING OF THE SUSAN COLVER ROSENBERGER MEDAL OF HONOR

PRESENTER:
Mary Louise Gill
Chair of the Faculty/
Faculty Executive Committee,
Professor of Philosophy and Classics

THE ALMA MATER

BENEDICTION

The Reverend Janet Cooper Nelson

PROCESSIONAL

Following the benediction the audience is requested to remain standing until the platform party has left the floor of the Paul Bailey Pizzitola Memorial Sports Center.

DIPLOMAS

Seniors, their family, and guests are requested to go to the locations designated for the distribution of diplomas. A listing of the locations appears on page 32 of the program.

- * Names of recipients are on pages 22-24.
- ** Names of recipients are on page 25.
- ‡ Names of recipients are on page 28.

COMMENCEMENT 2013 STORM PLAN

In the event of severe weather conditions, the storm plan will go into effect and the Commencement procession will be cancelled.

The University ceremony will be moved indoors and begin at noon. Seniors should report directly to the Pizzitola Sports Center by 11:30 a.m. Family and guests of seniors should go to Salomon Center, Sayles Hall, or Meehan Auditorium for a simulcast of the University ceremony. The ceremony will also be live webstreamed at www.brown.edu. Diploma ceremonies will be held in the assigned locations following the University ceremony. Should graduating students want to pass through the Van Wickle Gates, they will remain open until 6 p.m. on Monday.

Ph.D. candidates should report directly to the west-facing entrance of Barus and Holley (the eastern end of Manning Walk) and master's recipients should report to the lobby of MacMillan Hall by 9 a.m. to line up for the procession to the Graduate School ceremony on Simmons Quadrangle. Family and guests of graduate students should go to the tent on Simmons Quadrangle for the 10:15 a.m. ceremony; additional seating is available in Metcalf Friedman Auditorium and in MacMillan Hall 117 and 115, with viewing by simulcast. The ceremony may be viewed by webstreaming at www.brown.edu.

Medical School degree candidates should report directly to the First Unitarian Church by 11 a.m. Family and guests of medical students should go to the Unitarian Church for the 11:15 a.m. ceremony.

If the storm plan is in effect, it will be announced on the Brown University home page (www.brown.edu), a message will be left at 401 863-3100, and a text message will be sent to all graduating students' cell phones.

The Graduate School Ceremony

SIMMONS QUADRANGLE
IO: 15 A.M.
(ESTIMATED)



Seating is limited; a simulcast can be viewed in Metcalf Friedman Auditorium.

PRESIDING

Peter M. Weber Dean of the Graduate School, Professor of Chemistry

PROCESSIONAL

INVOCATION

Rabbi Mordechai Rackover Associate University Chaplain for the Jewish Community/Brown-RISD Hillel

STUDENT ADDRESS

Benjamin J. Raymond '13 Master of Arts in Teaching Secondary Education English "Pride, Considered"

ANNOUNCEMENT OF
PRESIDENTIAL AWARD FOR
EXCELLENCE IN TEACHING*
AND THE GRADUATE SCHOOL
FACULTY AWARD FOR
ADVISING AND MENTORING**

AWARDING OF THE JOUKOWSKY FAMILY FOUNDATION OUTSTANDING DISSERTATION AWARD*

PRESENTERS: Clyde L. Briant Vice President for Research, Otis E. Randall University Professor

John Tyler Associate Dean of Academic Affairs, Professor of Education

AWARDING OF THE HORACE MANN MEDAL*

PRESENTER: Peter M. Weber

AWARDING OF THE WILSON-DEBLOIS AWARD*

PRESENTER: Matthew J. Lyddon A.M. '11 President, Graduate Student Council

PRESENTING MASTER'S CANDIDATES

MASTER OF ARTS Peter M. Weber

MASTER OF ARTS IN TEACHING Daniel Bisaccio Director of Science Education, Master of Arts in Teaching program

MASTER OF FINE ARTS Stephen Berenson Director of Graduate Study, Brown/Trinity Repertory Acting and Directing programs, Clinical Professor of Theatre, Speech and Dance

MASTER OF PUBLIC AFFAIRS
MASTER OF PUBLIC POLICY
Marion E. Orr
Director of the A. Alfred
Taubman Center for Public
Policy and American Institutions,
Lippitt Professor of Public Policy,
Professor of Political Science
and Urban Studies

MASTER OF PUBLIC HEALTH Patrick M. Vivier Associate Professor of Health Services, Policy and Practice, Associate Professor of Pediatrics

MASTER OF SCIENCE John Tyler

MASTER OF SCIENCE IN
INNOVATION MANAGEMENT
AND ENTREPRENEURSHIP
ENGINEERING
Angus Kingon
Professor of Engineering, Barrett
Hazeltine University Professor of
Entrepreneurship and Organizational Studies, Co-director of Program in Innovation Management

and Entrepreneurship Engineering

CONFERRING OF MASTER'S DEGREES Peter S. Voss '68 Board of Fellows

PRESENTING DOCTOR OF
PHILOSOPHY CANDIDATES
Peter M. Weber

CONFERRING OF DOCTOR OF PHILOSOPHY DEGREES
Peter S. Voss '68

BENEDICTION

The Reverend Kirstin C. Boswell Ford
Associate University Chaplain for the Protestant Community

RECESSIONAL

The audience is asked to remain standing while the platform party, faculty and graduates exit by section and row to allow those who wish to attend the University ceremony to move to the College Green.

The Warren Alpert Medical School Ceremony

THE FIRST UNITARIAN CHURCH II: 15 A.M.



PRESIDING

Edward J. Wing Dean of Medicine and Biological Sciences

PROCESSIONAL

NATIONAL ANTHEM Choral Rehydration Therapy

INVOCATION

R. David Coolidge Associate University Chaplain for the Muslim Community

GREETINGS

Edward J. Wing

Introduction by Emily Shou Wai Lau '13 M.D.

Bethany Gentilesco, M.D. Clinical Assistant Professor of Medicine, Alpert Medical School of Brown University "Everyone Has Two Secrets"

Introduction by Michael Louis DeSimone '13 M.D.

Jonathan Asher Treem '13 M.D. "You Are Not A Doctor"

MUSICAL INTERLUDE

MUSIC

L. Frederick Jodry V Senior Lecturer in Music, Organist

Aaron Lindo Highland piper

Norman J. McLeod Highland drummer

THE PHYSICIAN'S OATH

Now being admitted to the high calling of the physician, I solemnly pledge to dedicate my life to the care of the sick, the promotion of health, and the service of humanity.

In the spirit of those who have inspired and taught me, I will seek constantly to grow in knowledge, understanding, and skill and will work with my colleagues to promote all that is worthy in the ancient and honorable profession of medicine.

The health and dignity of my patient will ever be my first concern. I will hold in confidence all that my patient relates to me. I will not permit considerations of race, gender, sexual orientation, religion, nationality, or social standing to come between me and my duty to anyone in need of my services.

This pledge I make freely and upon my honor.

CONFERRING OF MEDICAL DEGREES

Mark S. Blumenkranz '72, '75 M.D., '76 M.M.S. *Board of Fellows*

CONFERRING OF DOCTOR OF PHILOSOPHY DEGREES Mark S. Blumenkranz

AWARDING OF MEDICAL SENIOR CITATION***

PRESENTERS:

Brenna Marie Brucker '13 M.D. Julia Anne Heneghan '13 M.D.

BENEDICTION

The Reverend Henry J. Bodah Associate University Chaplain for the Roman Catholic Community

RECESSIONAL

The audience is asked to remain standing until the end of the recessional. The assembly will then proceed to the Hope Club for a reception.

^{*}Names of recipients are on pages 25.

^{**}Name of recipient is on page 28.

^{***}Name of recipient is on page 25.

The University Ceremony

THE COLLEGE GREEN 1:00 P.M.



PRESIDING

Christina H. Paxson *President*

PROCESSIONAL

SENIOR ORATIONS

Tanayott Thaweethai '13 "Doors"

Elizabeth Susan Mills '13 "Heads Up"

CONFERRING OF HONORARY DEGREES*

PRESENTERS:

Joseph M. Pucci Associate Professor of Classics and Comparative Literature

Stephen Merriam Foley '74 Secretary of the Faculty, Associate Professor of English

PRESENTATION OF BACCALAUREATE DEGREE RECIPIENTS

Katherine Bergeron Dean of the College, Professor of Music

PRESENTATION OF MASTER'S DEGREE RECIPIENTS

Peter M. Weber Dean of the Graduate School, Professor of Chemistry

THE ALMA MATER

tune: "Araby's Daughter," George Kiallmark (1781–1835)

text: "Alma Mater," James Andrews DeWolf, class of 1861 (1839–1909)

Alma Mater! We hail thee with loyal devotion And bring to thine altar our off'ring of praise;

Our hearts swell within us with joyful emotion As the name of Old Brown in loud chorus we raise.

The happiest moments of youth's fleeting hours We've passed 'neath the shade of these timehonored walls;

And sorrows as transient as April's brief showers Have clouded our life in Brunonia's halls.

PRESENTATION OF M.D. DEGREE RECIPIENTS

Edward J. Wing Dean of Medicine and Biological Sciences

PRESENTATION OF PH.D. DEGREE RECIPIENTS Peter M. Weber

CONFERRING OF MASTER OF ARTS DEGREES, ad eundem** PRESENTER: Kevin McLaughlin Dean of the Faculty

RECOGNITION OF FACULTY‡

PRESENTATION OF FACULTY TEACHING EXCELLENCE AWARDS‡

PRESENTER:
Kevin McLaughlin
Dean of the Faculty

CONFERRING OF THE SUSAN COLVER ROSENBERGER MEDAL OF HONOR

PRESENTER:

Mary Louise Gill
Chair of the Faculty /
Faculty Executive Committee,
Professor of Philosophy and Classics

THE ALMA MATER

BENEDICTION

The Reverend Janet Cooper Nelson Chaplain of the University

RECESSIONAL

The audience is asked to withhold applause (except in the case of honorary degrees) until the last person in each group has left the platform. Following the benediction, the audience is requested to remain standing until the platform party has reentered University Hall.

DIPLOMA CEREMONIES

At the conclusion of the ceremonies on the College Green, seniors, their family, and guests are requested to go to the locations designated for the distribution of diplomas. A listing of the locations, keyed to a map of the campus, appears on page 32 of this program.

MUSIC

Commencement Band – Matthew McGarrell, *Director*

- * Names of recipients are on pages 22-24.
- ** Names of recipients are on page 25.
- ‡ Names of recipients are on page 28.

Brown University's 19th President

CHRISTINA H. PAXSON



hristina H. Paxson was sworn in as the nineteenth president of Brown University on Monday, July 2, 2012. At the time of her appointment in March 2012, she was dean of the Woodrow Wilson School of International and Public Affairs and the Hughes-Rogers Professor of Economics and Public Affairs at Princeton University.

A 1982 honors graduate of Swarthmore College, Phi Beta Kappa, Paxson earned her graduate degrees in economics at Columbia University (M.A., 1985; Ph.D., 1987). She began her academic career at Princeton University in 1986, becoming assistant professor of economics and public affairs the next year. She became a full professor in 1997 and was named the Hughes-Rogers Professor of Economics and Public Affairs in 2007. Graduate students at the Woodrow Wilson School have given her five annual awards for teaching excellence.

Initially working on international economic problems of labor supply, mobility, savings, inequality, and aging, Paxson focused increasingly on the relationship of economic factors to health and welfare over the life course, particularly on the health and welfare of children. In 2000, she founded the Center for Health and Wellbeing, an interdisciplinary research center in the Woodrow Wilson School. The center established multidisciplinary graduate and undergraduate certificate programs in health and health policy. She served as the center's director until 2009.

Paxson also has served as associate chair (2005-08) and chair (2008-09) of the Department of Economics at Princeton and was the founding director of a National Institute on Aging Center for the Economics and Demography of Aging at Princeton. She was elected vice president of the American Economics Association in 2012 and is a member of the Council on Foreign Relations. She has been the principal investigator on a number of research projects supported by the National Institutes of Health, the most recent of which is a study of adversity and resilience after Hurricane Katrina.

As dean of the Woodrow Wilson School, Paxson oversaw significant changes in the undergraduate major in public and international affairs, which included eliminating selective admissions and revamping the curriculum to place greater emphasis on multidisciplinary learning, independent research, and field experience in the United States and internationally.

Paxson is married to Ari Gabinet, currently executive vice president and general counsel of Oppenheimer Funds. They have two sons, Nicholas and Benjamin.

Brown Commencement Traditions



ommencement day at Brown University is a time of great ceremony, pageantry, and rejoicing, much of it representing traditions that are centuries old. These notes on the history, setting, and action of the Brown Commencement are offered in the hope that they will add to your enjoyment of this unique academic celebration.

COMMENCEMENT HISTORY

The seventh-oldest college in the United States, Brown was founded in 1764 as the College of the Colony of Rhode Island under the leadership of the Rhode Island Baptists.

The first Commencement was held on September 7, 1769, in what was then the College's home, the Baptist Meeting House in Warren, Rhode Island, 10 miles south of Providence. Seven young men were awarded degrees. The institution moved to Providence the following year, and in 1804 it acquired its present name in honor of a major benefactor, Nicholas Brown of Providence, class of 1786.

For the six years prior to the Declaration of Independence, Commencement ceremonies were held in Father Snow's Meeting House in downtown Providence, now Beneficent Congregational Church. In 1776 the ceremony moved to the First Baptist Meeting House, built in 1774-75 to house the oldest Baptist church in America, founded by Roger Williams in 1638, the second year of his exile from the Massachusetts Bay Colony. The meeting house was erected "for the publick Worship of Almighty GOD and also for holding Commencement in." A National Historic Landmark, it was completely restored in 1958 through a gift from the late John D. Rockefeller Jr., class of 1897.

In the early days Brown's Commencement was known as "the festival of Providence," widely attended by enthusiastic townsfolk. So disorderly was their conduct that in 1791, the Rhode Island General Assembly passed a law requiring the high sheriff of Providence County to attend all Commencements "to preserve the peace, good order, and decorum in and about the Meeting House." The law still stands and the sheriff still marches, identifiable by full evening dress, high silk hat, blue sash, and sword.

During the 20th century, members of Brown's alumni classes began to hold their five-year reunions to coincide with Commencement weekend. Today more than 4,000 alumni and their families return to College Hill each year for a series of events capped by the Commencement procession on Sunday morning.

THE PROCESSION

Sunday morning, while the Commencement procession passes through Faunce Arch onto the College Green, the Brown Band begins to play the lilting "Brown Commencement March," arranged by the late Wally Reeves. The music is punctuated by the pealing of the College bell, which has rung from the cupola of University Hall since 1791; it is joined by the Meeting House bell, imported from England in 1775.

As the procession marches from the campus down College Hill to the Meeting House, it passes through the Van Wickle Gates, which swing open only twice a year: inward to admit the first-year class at Opening Convocation in the fall and outward on Commencement Day to discharge the degree candidates.

The parade is led by the chief marshal, a member of the 50-year reunion class, and by the chief and assistant chief of staff. They are followed by the color guard and alumni aides and marshals from various reunion classes. The men traditionally dress in top hats and tails, while women wear academic robes. The faculty, thousands of alumni, the graduating seniors, medical students, and graduate students, members of the Brown Corporation, invited guests, and the presidential party round out the procession. At one point, the procession stops and forms an inversion to allow each marcher to pass by all the others, to mutual applause.

THE OFFICERS

Prominent among the marchers are members of the Brown Corporation, the University's governing body, consisting of 12 fellows and 42 trustees. They can be identified by their large, floppy "trencher" hats, which were approved for use by the Brown Corporation in 1912 to provide a distinctive alternative to the traditional academic cap. Other colleges and universities have subsequently adopted the style. Robes, designed and adopted in 1968, are of the University's colors: seal brown and cardinal red, with black velvet trim.

Invited guests include candidates for honorary degrees, U.S. senators and congressional representatives from Rhode Island, the governor of Rhode Island, and the mayor of Providence. The presidential party – the president, the senior fellow, the chancellor, the vice chancellor, and the chaplain – is led by a mace bearer who is a faculty member and a Brown alumnus.

THE MACE

Once a weapon used to crush an opponent's armor, the mace has evolved into a symbol of authority. Brown's mace, which weighs more than 20 pounds, was given to the University in 1928. It is adorned with symbols from Brown's past and with the names of its presidents and prominent 19th-century alumni. The mace is carried in processions at the opening of the academic year, at Commencement, and at ceremonies where honors or degrees are to be awarded.

ACADEMIC REGALIA

The president's academic gown, and the golden chain and pendant that adorn her neck, became the official presidential regalia during the University's bicentennial celebration in 1964–65; the robe was designed by the late Anne S.K. (Mrs. John Nicholas) Brown, an expert on military and ceremonial dress. The caps, gowns, and hoods of others in the procession represent a tradition of academic dress that began in the 12th and 13th centuries, when cold stone buildings housed medieval universities. The gowns were an adaptation of clerical garb.

ACADEMIC HOODS

A scholar's hood, worn around the neck and hanging down the back, denotes degree, field, and alma mater. The band of velvet circling the outer edge of the hood varies in width according to the highest degree attained: narrow for the bachelor's degree, medium for the master's, and broad for the doctorate. The color represents the field of scholarship: arts and letters, white; economics, copper; education and pedagogy, light blue; engineering, orange; humanities, crimson; law, purple; medicine, kelly green; music, pink; philosophy, blue; science, gold; and theology, scarlet. The hood is lined with the colors of the institution attended by the wearer. A Brown University hood is lined in seal brown crossed by a broad band of cardinal red.

THE CANE

The cane carried by the president of the Brown Alumni Association serves as the symbol of that office. It is made of oak taken from University Hall when the building was reconstructed during the 1880s.

COMMENCEMENT SPEAKERS

Unlike most colleges and universities, Brown imports no Commencement speaker for the College ceremonies. On the College Green on Commencement morning, two members of the senior class, selected by a faculty committee, deliver short orations.

CONFERRING OF DEGREES

The conferring of bachelor's degrees is accomplished verbally on the grounds of the Meeting House, and the presentation of symbolic diplomas comes later on the College Green. Still later in the day, the seniors receive their actual diplomas at separate disciplinary ceremonies.

The words spoken by the president on the grounds of the Meeting House are:

Socii honorandi: Juvenes quos ad gradum Baccalaurei idoneos comperimus, vobis praesentamus, et eos ad hunc gradum promovere liceat rogamus. Candidati ad gradum Baccalaurei auscultabunt. Auctoritate mihi commissa vos ad gradum Baccalaueri admitto, omniaque jura ac privilegia ad hunc gradum pertinentia, vobis concedo. In huius rei testimonium diplomata

continued on page 6

vestris conlegis in Collegii Gramine tradam.

Honorable Fellows: The youths whom we have found to be qualified for the bachelor's degree we now present to you, and we ask that they may come forward for the awarding of the degree. May the candidates for the bachelor's degree listen attentively. Through the authority entrusted to me I admit you to the bachelor's degree, and all the rights and privileges associated with this degree I confer upon you. In testimony thereof I will presently deliver your diplomas to your representatives on the College Green.

After the president pronounces the awarding of the bachelor's degrees, all degree recipients return to the Green for the University Ceremony.

The Graduate School and Medical School have separate convocations for the awarding of master's degrees, Ph.D.s, and M.Ds.

THE UNIVERSITY CEREMONY

Following the senior orations, the ceremony takes place. The president takes her seat in the centuries-old Manning Chair, which once belonged to Brown's first chancellor, Stephen Hopkins, a signer of the Declaration of Independence and an early Rhode Island governor. It was used by Brown's first president, James Manning, and has seated successive presidents at their inaugurations and on Commencement Day. During the ceremony on the College Green, the president bestows diplomas on representatives of each category of baccalaureate degree and then speaks this admonition: Videte igitur ut probe, integreque, in emolumentum rei publicae et in Dei honorem, ut decet eos hoc gradu honoratos vos geratis. "Take care that you conduct yourselves, with probity and integrity to the credit of the state and the honor of God, as befits those who have been honored with this degree."

The ceremony continues with the conferring of the honorary degrees. A benediction concludes the formalities on the College Green.

Separate diploma ceremonies, inaugurated in 1974, are conducted by department chairs immediately following the ceremony on the Green. Each ceremony is attended by the faculty of the department, the degree recipients, and their parents and guests. The ceremony sites are listed at the end of the Commencement program.

Candidates for Baccalaureate Degrees



BACHELOR OF ARTS

Cory Holmes Abbe Maria Luisa Ylagan Acabado ‡ Alan W. Adame Samuel E. Adler-Bell * Sabine Carla Adrian Kanika Agarwal Marisabel Agosto Thea Ahimsa Aguiar Fahmina Ahmed ‡ Susie Ahn Greta Jillian Aiken ‡ Morgan Kearney Albertson Skylar Kent Bernstein Albertson *‡ Stephen Tyler Albrecht Obafemi Alese Casey Marie Alexander Σ Alexander Alonso Heidi Beth Alpert *Φ Evan William Altman ‡ Ana Cecilia Alvarez Cristina Alvarez ‡ Akash Mukesh Ambani Moss Adam Amer * Charlotte Stowell Anderson Malcolm Evelien Andry III Antonia Rosa Angress ‡ Allan Apoj Pascal Marcos Cristin Aranda Judith Samilda Araujo James David Ardell ‡ Sidney Maribel Argueta Lauren Bowes Armstrong Benjamin William Aronow Carter Asher Aronson Sahil Manoj Arora Pierre Ivan Arreola Samuel Lucas Askin ‡ Evan Riley Atkinson Marie Katharine Atterbury *Σ Alexis Aurigemma ‡ Nora Edith Avalos Perrett Ashley Seda Aydin Wilson Emory Baer ‡ Anthony Joseph Bakshi ‡ Rebecca Ballhaus Marika Anna Linnea Baltscheffsky Allison Marie Barker ‡ Chelsey Ryanne Barkin Katherine Rose Barnwell Brendan Seamus Barry *Σ

* magna cum laude

Ana Carolina Barry Laso ‡ Victor Ryan Bartash Nicholas Scheidle Bartos ‡ Giulia K. Basile * Janett Rebecca Bass Jonathan D. Bateman *‡ Φ Monique Janai Batson Adam Simon Bear *‡Φ Thomas Denzel Beauford III Matthew Mc Becker Michael John Becker *‡ Nestor J. Bedoya Iris Andrea Behler Robert Brady Belair Declan Kennedy Bell Σ Jocelyn Tirzah Bell Sarah Elizabeth Beresford Alexandra Antaki Berke Molly Rebecca Bernstein Christina Marie Berry Jan Corinne Bessey Aditi Samir Bhatia Nathan Adler Bishop Robert Matthew Black *Φ Zachary Joseph Bleckner *‡ Casey Hart Bleho Katherine Congdon Blessing \$ Matthew Eric Block *‡ Thomas Marshall Bloom *Φ Joseph Gordon Bobroskie Travis Miles Bogosian ‡ Julie A. Boldt ‡ Lucy Asako Boltz *‡ Myken Rieger Bomberger ‡ Valerie Elizabeth Bondura *‡ Paola Bonilla Katharine Harris Booher David Ned Booy Rachel Virginia Borders ‡ Anthony James Borelli Eli George Bosworth Christopher Michael Botelho Nicole Alexandra Boucher *Φ Tyler Cash Bourgoise * Sarah Julia Brandon ‡ **Emily Braun** Bradley Hunter Braunstein Jane Helen Brendlinger *‡Φ Kyle Russell Brine Nell Delehanty Brodsky *‡ Raillan Nasser Brooks ‡ Gabriel Joseph Brotzman Courtney Cecille Brown Brendan Mickey Burke ‡ Hannah Mustin Burn Demitrius Grimes Burnett Bradley Christopher Burns Katherine Leigh Butera *Φ Jeffrey Baier Buvinow Navarra Sky Buxton Mae Addison Cadao Ariana Marie Calderon Brooke Elizabeth Camarda Jieran Cao ‡ Alyssa Gayle Caplan Valerie Cardenas Kevin Daniel Carlow

Christopher Frank Carney

[‡] honors in concentration

Φ Phi Beta Kappa (elected senior year)

φ Phi Beta Kappa (elected junior year)

Σ Sigma Xi

T Tau Beta Pi

Jennie Young Carr *‡ **Emily Asuncion Carroll** Meaghan Louise Carroll John Woodward Caruolo Daniel J. Casey Sofia Maria Castello y Tickell Σ Maria Alessandra Castillo ‡ Eden Lani Castro Christopher Justin Catoya Oshanda Celine Cely Andrew Won-Seok Chang Hoon Ik Chang SungMin Chang Maia Carroll Chao ‡ Ravida Charntanawet Corina Louise Chase *‡ Zoe Frances Chaves Mahima Chawla Maya Don Chay Allison J. Chen Junhuo Leonard Chen *‡\$ Qidong Chen Tiffany Yi Chen Yi Chen Mark Kipkirui Chepkwony Allison Skakel Chernov *‡ΦΣ Lisa Ling-Sin Cheung Yu-Chun Chien Melissa Janeal Chin Eun Bee Cho Sung Hyun Cho Andrew Young Choi Byungjun Choi Christine Boyun Choi Iackie Heesun Choi Samuel K. Choi Jonathan C. Chou ‡ Chun Ho Choy Gillian Nien-Mei Chu Jonathan Chua Eojin Chung Maggie Chung Σ Stella Y. Chung 3 Diego Anthony Ciccia Keally Laurleen Cieslik ‡ Matthew Colton Clark Aaron Michael Clayton-Dunn *Φ Hannah Catherine Hargrave Cockrell *‡ Leah Michelle Cogan Jonathan Charles Cogut Benjamin Eli Cohen ‡ Jacob Lev Cohen ‡ Kathryn Frances Cohen ‡ Samuel Thomas Cohen ‡ Chloe Pevaroff Cohn Stephen Lee Colacurcio Patxi Collier Colbern Amanda Matilda Cole Evan James Freedman Coleman ‡ Myles Padraig Coleman *

Jessica Lynn Colmenares

Gregory Zupan Convers ‡

Jacob Arents Comer

Georgia Blake Cook

Christopher E. Cooper Kevin John Cooper

Caroline Hope Cotton

Tyler Joseph Cowman Jonathan Morgan Cox Leah Michelle Crabtree Jared Anthony Crean Sarah Johanna Crosky Σ Richard Francis Crowley IV Hayley Chase Crown Alexander James Cruz Ana Edith Cuellar Michael Chase Culler *Φ William Tinsley Culler-Chase ‡ Laura Elizabeth Curlin * Anne Alexander Cushing *‡\$ Maja Barbara Czemier-Wolonciej Taylor Robert Daily David Lee Dallas III Grace Wilder Dalrymple Jessica Butler Daniels Korama A. Danquah Linh Ngoc Dao Lukas Thor Davies Adam Micah Davis *‡ Brittany Rose Davis Emily Sarah Davis * Jared Barnett Davis ‡ Zachary R. Davis Justin Robert DeAndrade Katherine Rachel DeAngelis *‡Φ Samuel McCrae DeBrule Jonathan Etienne Deffarges Jeffrey Benson DeHaven Jr. Thomas Benjamin Deighton Siena Therese deLisser Caroline Elizabeth Dell *Φ Kaitlin Beverly DeLuca John Anthony DePeters Michael Sanjay Desai Jack Anthony deTar ‡ Rahel Katharina Dette Katherine Egger Deutsch Brendan James DeWolf ‡ Eleanor Lyn DiBiasio *‡Φ Siera Julia Dissmore Sheila Baye Dixon Holly Dechelle Doerflinger ‡ Dawson L. Dohlen ‡ Megan Elizabeth Dosch *Φ Leah Jeanne Douglas ‡ Khalila Johnson Douze Emily Anne Doyle Hannah Shea Doyle * Francis Drolet Allison Mary Dungey ‡ Derrick John Duquette Elizabeth Marion Ailien Duthinh Diana Victoria Dwyer ‡ India Eaford Meghan Teresa Earley Anya Charlotte Eber * Lucia Echavarria Spencer S. Einbund Nathan Mikel Elder Joseph Barry Elkinton Iulia Kate Ellis-Kahana *‡ Victoria Eve Elmore‡ Yuta Endo Ian Daniel Eppler ‡

Everett Eames Epstein ‡

Begum Ersan Iliana Elizabeth Escobar Elena Alicia Esparza Bryant A. Estrada Sakina Imtiaz Esufally Olivia-Jene' Fagon Zhou Fang Erica Ann Farrer Margaret Elizabeth Farris Jonah Medoff Fay Sharon Sarah Sachs Feder Corey William Fein Samuel Boatwright Feldblum Kira Arielle Feldman Roger Walton Ferguson III Peter Alfredo Fernandez Remy Allen Fernandez-O'Brien Benjamin Abelli Fichter Brittany Fidalgo Ian Clarke Lekkas Fields Thomas Walker Fink Margaret Jane Finnegan ‡ Charles Cohan Fischl * Caroline Bligh Flanagan ‡ Caleigh Alexandra Forbes Ann Zella Ford Nathaniel Mathias Ford Samuel M. Ford Sarah L. Forman *‡ΦΣ Alex Edward Forney Drew Jacob Foster Stephen Robert Fox Anthony Peter Franciosi Michael Andrew Franko Andrew Corey Freeland ‡ Benjamin Robert Freeman *Φ Jackson Lee Freeman Michael Tyler Freiberg Dylan Burleson Fried *6 Reed Bennett Frye Marissa L. Fuerst Neil John Fulwiler Miriam Furst *‡Φ Marie Cosette Gabriel ‡ Pablo Arturo Galindo-Payan Andrea Lauren Leo Garcia Diana Garcia William Grant Gasner Priya S. Gaur Kevin Patrick Gavey Ross Alexander Geiger ‡ Terrence Louis George Joseph Getty Kumud Ghimire Claire Lillian Gianotti ‡ Jessica Lindsley Giguere Lily Stav Gildor Anna Maria Giovannini * Ryan Victor Gladych Jennifer Lee Glass Kathryn Murphy Glickman Tessa Hillen Gobbo Max David Godnick ‡ Berit Kristen Goetz *\$\psi\$ Emily Carey Gogolak ‡ Daniel Evan Goldberg * James Alexander Golin

Nicolas Gomez-Hall *

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Lucas Kiyoul Huh Daniel Chase Huneke Elizabeth Holly Hunt Emily Lucille Hurt ‡ Sarah Anne Husk Allison Christine Iarocci ‡ Vanes Ibric ‡ Stefan Adekite Ibrahim Idowu-Bello Alexandra Burnett Ilstad-Minnihan Louise Sands Ireland ‡ Ilan Nissim Isaacs Jeffrey D. Izon Dillon Michael Jack Dian Ray Berrard Jackson Kristin Natalie Jackson Sidney Korman Jacobs Katherine Woodward Jacobson Katherine Anne Jamieson Emma Claire Janaskie ‡ Christopher Kazar Janigian ‡ Tor Wentworth Jarrett Σ Thomas R. Jarus Jr. *‡\$ Jelena Jelusic ‡ Maria Lissette Jimenez ‡ Eun Seo Io *‡ Michael Anthony Johnson Peter Moore Johnson ‡ Madelynn Zinnia Johnston ‡ Laurie Jolin Alexander Hundley Jones Benjamin David Jones *‡ Cecily Alice Jones Charles Alexander Jones Elizabeth Cannon Jones Erin Claire Jones *‡ Aiyah Tehmoendor Josiah-Faeduwor Christine Marie Joyce Douglas Grey Joyner * Tanya Jumbala ‡ Desmond James Jung ‡ Mitchell Blake Justus * Mark Daniel Kachmer Rebecca N. Kagan * Alyssa Rae Kahn Benjamin Zvi Kamm Joel Yi Han Kang Ediz Karahasanoglu Elizabeth Anne Karin Jacob Mandell Karr Sally Martin Katz * Caroline Lili Katzman *‡Σ Allison Earnshaw Kavanagh Rachel Sloane Kay George Wilbur Keefer IV Nicolas Gilles Keller *‡ Caroline Galligan Kelley Daniel Congdon Kelley Elizabeth Melody Kelley Michael Robert Kelley Katherine Berner Kennedy Krista Shea Kennedy

* magna cum laude

Lauren Ashley Kenney Anne Kenvon Sam Kernan-Schloss Jarrett Levale Key ‡ Nikita Khadloya Σ Annisa Katelyn Khadraoui Katharine Nightingale Khanna *‡ Celi Lindiwe Khanyile-Lynch Ziad M. Kharbush Ilyas Khimani Isabel Khoo *Φ Andrew Ikhyun Kim *φΣ Esther Yoonkap Kim Hayoon Kim Hyojin Kim ‡ Jeehoon Kim Jiwon Kim Kristen Haeihnn Kim ‡ SoYeong Kim Wookun Kim‡ Caroline Austin King ‡ Samuel Patrick Kinsman Melissa Mukami Kiplagat Emily Rowan Kirkland *Φ Max David Kirsch * Seamus Patrick Kirst Lucy Elena Kissel ‡ Timothy Michael Klanke Jacob Adam Klapholz *‡ Seth Brown Kleinschmidt ‡ Matthew Sol Klimerman Rachel Berman Klotz Clementine Atwood Knight Lara Lladoc Knorek ‡ Samuel Martin Knowles * Bradley William Koegel Jonathan Vincent Wonkyu Koh Emily Wai Yee Koo Sureya Martha Koprulu Josephine Lily Korijn ‡ Jeremy David Korn *Σ Tess Ann Kostiner Meghana Ravi Koushik ‡ Henryk Matthew Kowalski Allen Phillips Kramer *Φ Michalina H. Krasowski Alexander Hsien Chwin Kua Elaine Rita Kuckertz ‡ Zachary Emmett Kulczycki Natasha Raj Kumar *‡Φ Phoenix Kushner Katherine Aimei Kutt Changsu Kwak Kun-Woo Kwak Amanda Nicole Labora William Gerdts Lacker Daniel Nelson Ladd Jessie Graciella LaFargue Matthew Joseph LaForgia Christine Minh Trang Lai *‡ Deborah Lai *Φ Philip Hoi Wa Lai *Φ Elizabeth Sarah Landau Henry Carlton Lanham Molly Kim Lao *Φ Eric Martin LaPointe * Mary Elizabeth Laski ‡

Jennifer Stiles Lawrence ‡

Michelle Kim Le ‡ William Carlton Leader Benjamin Patrick Lee *Φ Bora A. Lee ‡ Hiu Wai Lee Jae Eun Jane Lee Katherine Jinkyung Lee ‡ Suk Woo Lee Won Min Lee Zekuan Richard Lee Cara Michele Lemire ‡ Donna Leong Anne Mauck Lessy Daniel S. Levine-Spound ‡ Hannah Elizabeth Levy *‡ Sarah Orkin Lewin Gabi Lev Lewis Shaunna Arielle Lewis Alessia Nicole Lewitt Marvin Man Hin Li Mona Qianmeng Li Antonia Vinia Libassi Jeffrey Liew Anna Charlotte Lillkung *‡Φ Sophia Dao Lin ‡ Eva Caroline Lindpaintner *‡ Alexandra Ryan Linn ‡ Alexander James Lipinsky Jessica Ally Liss * Ruizhen Liu *‡ William Sanford Lockhart Christopher Michael Longman Julia Isabel Longoria *‡\$ Tavish Lopez Mary Katherine LoPiccolo *‡ Kelly Maureen Lougheed *‡ Tyler Joseph Lowell Kirby Jane Lowenstein ‡ Sarah Lu Claire Isabelle Luchette Emily Morgan Lutfey Dorothy Marie Lutz *Φ Katherine Kelly Lynch Kevin Patrick Lynch Hilary Rybeck Lynd * Anne Doring Stuart Macdonald Jesse Daniel Macdonald Alexandra Macfarlane W. Austen Mack-Crane ‡ Markus Maier *Φ Bryan Ndirangu Maina * Jordan Mainzer Elena Grace Maker ‡ Michael Makowsky ‡ Karina Francesca Manalo David Bennion Manning ‡ Kelly Makana Manson Anthony Harrison Mantegani Amanda D. Manu Benjamin Pietro Marcus *‡Φ Charles Vito Margiotta II Sarah Boston Marion Eliza Suzanne Marshall *Φ Viviana Martinez Christian Beau Martino Michael John Marttila Taylor Anne Masaschi

Cassandra Leigh Mastrostefano

Sisa McKinnon Mateo *‡ Elizabeth Au Matthews ‡ Laurel Anne Mattos ‡ Anne Bascomb Matusewicz Ezra Philip Mauer Margaret Casey Maurer *‡ Rebecca Adrian Maxfield James Heath Mayo * \$\phi\$ Nicholas Anthony Mazza Fiona McBride *‡\$ Christina Milena McCausland Parker Elizabeth McClellan Emily Nicole McDaniel Douglas Kirk McDonald ‡ Evangeline Lea McDonald ‡ Ryan Pollock McDuff Shane Patrick McHugh Kelley Theresa McKee ‡ Mairi Colleen McKellop Laura Lenes McLellan Connor Hill McManus ‡ Thomas Liam McNamara Ryan Patrick McVerry Michael Theron McVicker Jasmine Christine Meade Jessie Marie Medofer Patrick Nash Meehan *‡Φ Gabrielle Sara Mele-Algus ‡ Angela Mellon Sochitta Men Maricruz Nicole Mendez Martin Dill Menefee Daniel Ross Meropol Robert Jarden Treadwell Merritt Matthew Johnson Mettler Lily Jean Meyer *‡ø Nathaniel Charles Meyer * Michael Zachary Mezera *‡ Leah Michaels Alyssa Marie Migliori ‡ Hannah Rose Miles Luke Mackenzie Miller Maggie Rose Millner ‡ Lindsay C. Minges Alison Chelsea Wadsworth Mirviss *‡ Alison Diana Mittelberger Jessica Sarika Mitter Jared Ethan Moffat * Cyrus Massoud Mojdehi Katherine Elizabeth Monks *Φ Marc Patrick Monsod Massiel Montes de Oca ‡ Sarah Lynn Mooney Catherine Anne Moore ‡ Diana Ernestina Morales Nicholas Edson Morley ‡ Meagan Natalie Morse Elara Kai Mosquera Michael Blair Mount ‡ Laura Lynn Moynihan ‡ Samer Nabil Muallem ‡ Kyra Headley Mungia Vanessa Lynne Muñoz Jordan Alexis Murphy Luciano Andrea Musella ‡ Julian Evan Musikant Cally Lee Musland

[‡] honors in concentration

Φ Phi Beta Kappa (elected senior year)

φ Phi Beta Kappa (elected junior year)

Σ Sigma Xi

T Tau Beta Pi

Jack Eamon Mylott Avery Sarah Nackman * Gabriel Najar Catherine Soo Rim Nam *Σ Carolyn Marie Napolitano *‡ Sharmala Narasingam Yaroslav Erik Nazarenko Gladys Naggita Amelia Ndagire Katherine Rudy Nemetz Hannah Lorraine Newman *‡ Karwai Ng‡ Joyce Emily Nguyen ‡ Kathy Mai Khanh Nguyen *Φ Tanya Minh Thu Nguyen *Φ Dung Hanh Nguyen Vu ‡ Lindsay Taylor Nickel ‡ Andrew Armen Nizamian John Mwangi Njuguna Ashley Rice Noble Benjamin Scott Noble Tara I. Noble Benjamin Antonio Noury Deniece Nunez Okezie J.S. Nwoka Kevin Scott O'Brien Kyle Walker O'Brien Elsia Anne Obus Colin Parker O'Connell Elizabeth Anne Odland Lisa Kristin O'Donovan Σ Leigh Ofer Emily Preyer Oglesby Diana Kalani Ohrt Madeleine Clarice O'Neill Yasmin Or Susana Ortega Brian Osorio Kurt David Ostrow *Φ Ibeabuchi Jeremiah Oteh Grant William Overcashier Åsne Burgess Øyehaug Alp Ozcelik Marguerite Claire Pace Rachael Anne Pack Katherine Cass Packard ‡ Patrick William Pakan Grace McGill Palmer *Φ Christina Pond Lee Pan *‡ Jessica Maria Papalia Nikhil Parasher James Woolsey Pardoe Parita Atul Parekh Esther Shinyoung Park Heejung Sarah Park Σ Joel Thomas Park III Yo Han Park * Christopher McCarty Parker Dwayne Cody Parris Spencer Michael Parsons * Michael Thomas Pastore Ana Irma Patete *‡Φ Maria Antonia Patino Duque Emma Nicole Patterson Ware Caroline Marie Payumo Ellen Amanda Pederson Benjamin Jeffrey Peipert * Adam Charles Pelzer ‡ Brisa Anna Pena

Ramy A. Pena Samuel Ohene Peprah Claire Cracchiolo Peracchio * o Elizabeth Perez Sean McClintock Perkins Nicholas Edward Petersdorf *Φ Elijah Anthony Peterson Matthew John Peterson *‡ Rachel Kay Peterson Olivia Rose Petrocco Nam Hai Pham Ariel Debra Pick Marley Washington Pierce *‡ Alexandra Leigh Piersiak Kevin Lemos Pires ‡ Alicia Marie Pirraglia Joanna Poceta Alena Polenska Daniella Alejandra Ponce Jaclyn Monique Ponish Tyler Joseph Ponticelli Hannah Poor *‡ Katrina Lynne Post Samantha Eve Powell * Natasha F. Pradhan ‡ John Julien Prah Tara Kane Prendergast ‡ Daniel Prinz *‡ø Brian Vincent Pupplo Tian Qiu John Calvin Qua IV Anna Rae Quinn ‡ Michael S. Quinn Andrea Michelle Radke Σ Brette Shelby Ragland Emma Kate Ramadan ‡ Adith Ramamurti * Richard Carlos Ramirez * Rogelio Ramirez Guzman Cosima Olivia Ramirez Ruiz de la Prada ‡ Sofie Marie Ramos ‡ Michael A. Randolph II David William Rattner Mark Lucien Raymond Abhinay Reddy * Manasa Venkatapuram Reddy Mary Alice Reilly Jennifer Goncalves de Miranda Reis Dylan Richard Remick Joseph D. Resnick Aaron Zachory Reyes Ariel Sophia Rhoda Lily Catherine Ricci Saul Benjamin Richmond-Rakerd Σ Stephen James Rickli *Φ Ashley Elizabeth Riley ‡ Hannah Honey Riskin-Jones *φ Kathryn Casey Robbins ‡

Nicholas A. Robbins

Jack Wade Roberts

Olga Julia Rocha

Remy Catherine Robert

Ana Gabriela Rodriguez

Ariel Larrea Rodriguez ‡

Jerrica Lyn Rodriguez

Sara Rodriguez-Duran

Alexander Gabriel Rofes ‡ Rahil Amvn Rojiani *6 Analise Faith Roland Daniel Reuben Rome Kristina Romero Tara Garvey Rooke Michael Nathan Rose Oliver Adam Rosenbloom * Rachel Samantha Rosenfeld Christopher Amadeo Roth Laura Elizabeth Rothenberg Awarded Posthumously Eleanor Emma Rothman *‡ Elizabeth Sally Rothman *Φ Zachary Rothstein-Dowden *‡Φ Timothy Dunn Rovinelli William James Ruehle Claudia Vanessa Ruiz Jaap Cornelis Ruoff Bryan William Russell Phillip Mwesigwa Rutahweire Alison Paige Rutsch φ Jeffrey Bullitt Ryan Nicola James Ryan Samier Saeed Caroline Sagalchik Amina Saigol Madeline Diane Sall *‡Φ David Paul Salsone Caroline Langford Saltonstall Jasmyn Nicole Samaroo * Ryan Peter Sammartino Harry Benjamin Samuels Marielle Elizabeth Sanchez ‡ Monica Marie Sanchez ‡ Samantha Fara Sanders *‡Ф Maya Cory Sandler Alexandra Marie San Jorge ‡ Jennifer Rittmaster Saper Rachel Elise Sargent Alexandra Sarah Louise Sassoon Catharine Fuller Savage *‡ Xavier Gian Sawada *‡ Tanya Saxena Jacob Samuel Scharfman *‡ Christopher August Schiesser Robert Russell Schlagel ‡ Claire Elizabeth Schlessinger Michael Patrick Schneider ‡ Valery Alana Scholem Heller Hannah Rose Schonwald Nathaniel Joseph Schub Σ Bernardo Natanael Schuhmacher Evan Mark Schwartz Gabriel Lawrence Schwartz ‡ James Maxwell Schwartz Rachel Ann Schwartz * Φ Erica Lynn Schwiegershausen ‡ David Chancellor Scofield Sidney Scott *‡Φ Corey David Scult Wai Ming Raymond See Zachary Alan Segel ‡ Rosemary Abigail Selig-Addiss ‡ Marc Denis Senecal Michelle Lauren Senteio Dean Jason Serure Vincent Robert Sghiatti III

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Devin Risley Streur Ian Edward Strickman Hanna Viktoria Stromgren Sanford Reid Student Laura Alice Stumhofer Michael John Stumpf Aleksandra Weronika Suchecka Francis Abel Suh *Φ Wendy Suh John Hugh Sullivan Matthew Timothy Sullivan Evan James Reyes Sumortin Siqi Sun Carl Sundberg Stephanie Elise Swart Φ Simon Macklowe Swig Arielle Ruth Sydnor ‡Σ Guy Mandelstam Tabachnick *‡Φ Elizabeth Sara Tabak Rachel Marie Tache Jorge Tamames Grasset ‡ Yanqiang Tan *‡¢ Marie Lee Tanaka ‡ Mehves Ofelya Tangun Σ John Matthew Templeton Yi Peng Teoh Kate Marie Terwilliger Neil Thakral *‡ Rohan Thakur ‡ Micah Solomon Thanhauser *Φ Spiro Alexander Theodhosi Pham Thi Ngoc Tram Alyssa Raven Hertz Thomas *‡Φ Evan Derek Thomas Kenneth Jamal Thompson Mary Adeline Thompson ‡ Emma O'Neil Thorne Gerrit Weeks Thurston Benjamin Holte Tietze ‡ Anna Constance Tifft *‡Φ Patrick Josiah Till Rebecca Erin Title William Michael Tomasko * Brandon Delmore Tomasso ‡ Oliver Torres Meredith Jane Hamelin Tracey ‡ Nawal Murjana Traish * \phi Le Huy Nguyen Tran ‡ Mau-don Thi Tran Owen Patrick Traynor Alexa M. Trearchis * David Daniel Trejo Susan Tran Trinh Allison D'Olier Trionfetti *‡ Sunil Kumar Tripathi Awarded Posthumously Madeline Heidi Tropp-Bluestone Nicholas James Tsapakos Benson Howard Tucker *Φ Ryo Max Tulman Adam Charles Tuomi Σ

* magna cum laude

T Tau Beta Pi

Megan Elizabeth Turley William Raymond Turtle Laura Ucik Iriff Keisha Dollaga Ulep Lauren Keiko Umetsu Madison Tate Utendahl Arjun Biren Vaidya *φ Saramar Vallejo Daniel Demetrius Valmas Katherine Louise Van Brocklin See Vang Katherine Ellyse Van Heidrich Elizabeth Mary Vasily *‡Φ Simon Alexander Vecchioni ‡ Andrea Yvonne Vela Shawn Sunil Verma Natalie Anne Villacorta *Φ Jennifer Dalton Vincent *‡ Nicholas Vincent Vitrano Kristina Luce von Gerichten Kimberly Faith Wachtler Samuel Leopold Wagner Brady Paul Waibel Joshua Benfield Wallace Emily Katherine Walsh Ross Adam Walthall Allison Sarah Wang Noni Rong Wang Shenghan Karla Wang Zhuo'er Wang Alexandra Knall Wardlaw Thompson Andrew Warren * \phi Caitrin Elizabeth Watson φ Rachel Blumberg Watson Rianne Marcia Webb Oliver Ira Weerasinghe Karin Elizabeth Wefald Stryker Theodore Weller Bailey Nichole Wendzel Jocelyn Michele West Andrew James White *Φ Anthony Jrome White Jr. Marc Anthony White III Anna Lucille Whitehouse-Lewis George Arnold Whitridge Jeffrey Michael Wilke Daniel Lee Wilkofsky *Φ Alesia Rachele Williams Christopher Todd Williams *Φ Elexis Trinity Williams Ryan Taylor Williams Stephanie Anne Grace Williams * Scout LaRue Willis ‡ Carissa Ann Wills-DeMello David Joseph Winer *φΣ Hannah Lutz Winkler *‡ Lindsay L. Wong Kimberly Aleong Wong-Shing Sheena Marie Wood ‡ Annie Mao Wu *φΣ Shirou Wu Yifei Wu Kyle Daniel Wynter-Stoner ‡ Mandy Xi Aydin Dogan Yalcindag Qingliu Yang Paulina Yeh

David Turbay

Emily Arum Yi Zuhal Zeynep Yildirim *‡Ф Erik-Dardan Ymeraga David Saehoon Yoon Inni Youh *Φ Elizabeth Dickerson Young ‡ Eric William Young *‡Φ Margaret Elizabeth Zachary Chris V. Zaires Stephen Mario Zambetti Jesse Zannino Gabrielle Esther Zerbib ‡ April Y. Zhang ‡ Brenda Di Zhang ‡ Yu Zhang Ethan Zhongkai Zhao Yu Zhao ‡Σ Ling Zhou Sade Zimmerman-Feeley *‡ Han Zou

BACHELOR OF SCIENCE

Nicole Tess Abdo Poppy Christine Addison Victoria Adedoja Adewale Stephen Donald Albright *‡ΦΣ Clayton Page Aldern ‡Σ Miguel Daniel Alecio Jr. Kieran Alessi ‡ Michael Dean Alim Gerica Alvarado Karina Margaret Alventosa Ananya Anand ‡Σ José R. Aponte-Pieras Samuel Alan Arnow Jonathan George Aronson Moises William Arriaga ‡ Perry Elizabeth Ashenfelter Eric Edward Axelman Edward Eric Backlund ‡ Zachary Scott Ballard ‡ Matthew Logan Barnes ΣΤ John Connor Barnhart *‡ΦΣ Charles Robert Baumann Alexander Maxwell Bell *‡ Alexander Hillel Klaimitz Berg ‡T Erik Lewis Zervas Berg Melanie Carolina Berger Σ Nathan Isaiah Bernstein Michael Daniel Bieszard Σ Rachel Adler Bishop *‡Φ Linnea Bertina Blaurock Rachel Faye Bloom ‡ Jeffrey Paul Blum Zachary Craig Bodinger Zoe Churchill Bogus Timary Ann Bonaccorso Σ Michelle Lynn Bookstaver Harriet Snow Booth $\ddagger \Sigma$ Koushiki Bose *‡ Alexandra Lynne Brown *‡ΦΣ Ross Jamison Browne *ΣT Ian David Brownstein *‡ΦΣΤ Anthony Hoa Bui *‡Φ Christopher Benjamin Bullock

Jurica Bulovic

Emily Marie Cacciatore

Anthony Michael Calcagni * Caitlin Marie Carpenter ‡ Elizabeth Hayes Carr Brady Stutts Caspar Kevin Preston Casto *\$\psi\$ Urmila Chadayammuri Craig Kaitai Chan S Lily Chingyee Chan *‡Σ Zhen Hwang Chan Audrey Chang ‡Σ Kenneth Yi Ming Char Vedika Chawla ‡Σ Iane Shihmei Chen Σ Natividad Chen ‡Σ Minsoo Chi Σ Wenzheng Chi Hyunwoo June Choo Σ Michael Ryan Chua *Σ Jessica Shannon McGowan Claflin Patrick Mugambi King Clay ‡ Kelsey Marie Collins *‡Φ Michael Lee Comella Adam Maxwell Cook Rebecca Eve Corman $\ddagger \Sigma$ Laura Catherine Costa Lacey Kristine-Margaret Craker Derek Matthew Croote *‡ΣΤ Alexander Amin Arif Currimjee Σ Robert Benjamin Dahljelm *Σ Tra My Dang Michael Eric Danziger ‡Σ Paulo Geronimo da Silva Jr. Σ Sergio Anthony De La Torre Jr. ‡Σ Lynn Michelle Della Grotta Σ Clayton Louis Del Prince Stephanie Helen DeMane Kyle Maxwell Dent Chetram Anand Deochand Σ Elizabeth Magnussen DiMascio * Karri Folan DiPetrillo *‡Σ **Iustin Robert Dittmeier** Prashanthi Divakar *‡ø Emma Katherine Dixon *‡Φ Nicholas Ryan Donias Brienne Marie Donovan August M. Dovle ‡ Brittany Ann Dunn ‡Σ Riana Dutt *‡Σ Christine Judith Edmonds Lucas Strauch Eggers ‡Σ Jonathan David Elofson ‡ David Graeme Emanuel Lorraine Lee Fei Nathan Feng Kelly Jeanne Fennessy Jonathan S. Ferreira Bennett Drew Ferris Devin Patrick Finzer *Φ Timothy Randolph Firman ‡Σ Zachary Paul Fischer * Ryan Francis Fleming Ilana Ronit Foni Adam Joseph Frees ‡Σ Catherine A. Freije $\ddagger \Sigma$ Yudi Fu Σ Kaijian Gao Yukun Gao‡

Mayrolin Zoila Garcia

[‡] honors in concentration

Φ Phi Beta Kappa (elected senior year)

φ Phi Beta Kappa (elected junior year)

Σ Sigma Xi

Gabriela García Dolagaray Yawei Ge *‡φΣ Jesse Samuel Gerber Elizabeth Ann Giannuzzi Σ Peter Jason Frisken Gibson Nathaniel Fain Gilbert Daniel Gitelman *‡Φ Daniel Richard Gleave John Robert Goddard * Isaac S. Goldberg Michael E. Goldberg *‡Σ Emmet Gabriel Golden-Marx *‡ФΣ Jesse Benjamin Golden-Marx ‡Σ Roberta Emily Goldman Jingyi Gong *‡ Sarah Therese Gonzalez ‡ Kristofer Ryan González-DeWhitt ‡Σ Elizabeth Shelby Gordon Max Aaron Gottesman Emily Elizabeth Gould *Σ Michelle Alexis Graff $\ddag \Sigma$ Gabrielle Marie Grandchamp Σ Kaitlyn Louise Grayson ‡ Eric Charles Greenstein *‡ΣΤ Conor Francis Grogan Σ Brent William Grossman-McKee Jenny Gu *ΦΣ Julia Ann Guimond ‡ Kaan Tolga Gunay *ΦΣΤ Eugenia Gurvich ‡Σ Julia Perez Gutierrez Joseph Michael Hakam Douglas McKinnon Hall Lauren Marie Hall ‡ Michelle Han *‡φ Raymond Han Ryan Christopher Handoko ‡Σ Alexander Robinson Harris Asad Hassan Meghan Hauser ‡Σ James Chalmers Hayes Chelsea Lynn Haynes $\ddagger \Sigma$ Drew Thomas Heckman *‡Φ Mia Margaret Helfrich ‡ΣΤ Adam Wallace Henderson Jesse Maxwell Hertz Cameron Kelley Hill ‡ Jonathan Harry Hills Kerri Winter Hilton Ian Geoffrey Hovander Hiroe Hu‡ Luke Daniel Huelsenbeck ‡Σ Tala Huhe * So Yun Hur‡ Lucas Francisco Husted *‡Φ Clarence Trinh Huvnh Marissa C. Ilardi *‡Σ Deniz F. Ilgen Aaron S. Isenstadt Σ Rajiv Jaisimha Iyengar Eva Shana Jacobs Sriram Ramchandra Jayakumar ‡ In-Jee Jeong *‡Φ Zahid Jethani Shubha Vivek Jindal *‡Σ Shannon Leigh Johnson

AJ Alexander Jones Natalie Anne Luoma Jones Naveed Noorallah Jooma Jonah Meyer Kagan Zachary Adam Kahn * Ellison Reid Kandler $\boldsymbol{\Sigma}$ Jung Uk Kang ‡ Milan Atul Kantesaria Iphigenia-Danae Kapoulea Aswin Karumbunathan ‡ Natasha Katoni ‡Σ Lauren Michelle Kattchee Andrew Philip Katz *‡Σ Michael Nelson Kelley Σ Kassandra Lee Kelly ‡ Abigail Glicksman Kerson *‡ΦΣ David Charles Kilian Margaret Kim Min Kyoung Kim ‡ Jason Louis Kirschner ‡Σ Kristina Marie Klara *‡ΦΣ Justin Bernard Klee ‡ Natalie Kleeman Clara Emma Kliman-Silver ‡ Steven Isaac Klurfeld ΣΤ Sungeun Stephanie Koo Σ Gopika Radha Krishna ‡Σ Ipsita Krishnan Matt Krukowski Reese C. Kuppig Sidney Alexander Kushner Christina M. Lam *‡Σ Marc Joseph Langer ‡ Ethan Joseph Langevin Donelle Christina Latimer Vanessa Latson Kshitij Lauria ‡ Jessica Le Rosemary Kim Le Charles Jin-Ming Lee Hanjae Lee* Jennifer Yumeng Lee *‡Σ Morgan Brianna Lee ‡ SeungJi Lee Tae Jun Lee Evan Thomas Lester *‡ Alice Leung Joshua W. Leung Benjamin Theodore LeVeque *‡Φ Michaela Frances Sperring Lewis * Qiaohan Li‡ Snow Li Max Yoffe Liberman *‡ΣΤ Matthew Bonju Lim ΣT Nina Momoko Lippey Amy Yang Liu Σ Chia Wei Liu ‡Σ Jessica Sichen Liu Mengling Liu* Danielle Monica Lo *‡Σ Charis En-Ping Loke

Stephanie Michelle London *‡Σ

Zachary Millard Long

Kamaris Michelle Loor

Anna Donovan Louie Σ

Sarah Marie Looff

Aimee Lee Lucido ‡

Shivu Lu

Kristina Megan Michelle Lukowski Joanna Rose Lustig ‡ Lei Ma ‡Σ Matthew James Mahoney Koketso Daniel Makhafola Vidur Malik Nathan Malkin ‡ Sarah Elizabeth Mancone Ryan David Marinelli Σ Sean Maroongroge *‡ΦΣ Danielle Jacqueline Marshak * p Sarah F. Marzetta Julio Ma Shum ‡ Lucas David Mason-Brown *‡ Jacob Ryan Maxon William Gerald Paul Mayner Courtney Marisa Mazur *‡T Douglas Moore McErlean *‡ David Marshall McGee Mason Benjamin Mcgill James Kieran McGinn Kelly Leece McGuire $\sharp \Sigma$ Catherine Evans McManus ‡ Blair Colette McNamara Σ Rajvi Hemant Mehta ‡Σ Zahra Anwar Merchant ‡ Julia Parant Metzger ‡Σ Julia Lynne Meyer ‡ Olivia Kate Mickle Anna Julia Migliaccio Σ Matthew Blaise Pierson Milano Craig Laurence Miller Nathan Stewart Miller Jonathan Philip Millstein *‡ΦΣ Kelly Sue Milman *‡Σ Scott Patrick Mitchell Rajan Mittal Vaishali Mittal Reika Miyokawa ‡Σ Matthew Tanaka Mogan Lucero Montes De Oca Lopez Wooyoung Michael Min Moon ‡ Adam Mitchell Morgenlander *±ΦΣ Drew William Morrill ‡

Therice Ann Morris *T Lauren Rachel Moser ‡ Joshua Bernard Moses ‡ Tasha Anne Nagamine ‡Σ Adalyn J. Naka Neil Rajiv Naravane Jennifer Lynn Narvaez Σ Jordi Joel Negron ‡Σ Noa Schlossberg Nessim ‡ Isabella Blaze Newman ‡Σ Scott Elliot Newman Matthew Alexander Nichols Juyoung Cindy Oh ‡Σ Ihiechi Irene Ohia-Enyia ‡ Francisco Franco Hohman de Oliveira Danly Osmary Omil-Lima Antoinette Robey Oot ‡Σ

Danly Osmary Omil-Lima Antoinette Robey Oot ‡Σ Stephen James Palazola ΣΤ Justine Elise Palefsky Melissa Ann Palmisciano Grace Victoria Parker Anuj Dilip Patel *‡ΦΣ Lakir Dilip Patel * Rakesh Patel ΦΣ Mangaladevi Shivakumar Patil ‡Σ David Thomas Percy Alina Elizabeth Petteruti Austin Leigh Pfundheller ‡ Samuel Rice Phelps ‡ Michael Justin Pico Σ Tiare Kaiulani Pimentel ‡Σ Visarute Pinrod *‡ΣΤ Jordan D'Estaing Place Tess Spetses Plant-Thomas ‡ Neal Benjamin Poole William Poole IX ‡ Parker Harvey Porfilio Donlapark Pornnopparath Katya Trudeau Potkin Charles Evans Powell Patipan Prasertsom ΣT Jacob Cheng Pei Price Melissa Ariel Prusky Lindor Qunaj Σ Emilia Louise Raimondo ‡Σ Sumitha Raman ‡ Carolyn Virginia Ahlbeck Ranti *‡φΣ Amy Jeanne Rasmussen Rachel Lauren Ratchford ‡ Katherine Danaher Reardon ‡Σ Rebecca Beth Reitz ΣΤ Andrew Kyle Ressler Σ Tae Ho Daniel Rho Ethan Brett Richman *‡Σ Sheryl-vi Ramos Rico ‡Σ Sasha A. Ridgell Natalie Yanzi Ring *ΦΣ Nash Delta Rochman *‡Σ Ramon Antonio Rodriguez * $\ddag\Phi\Sigma$ Salvador Rosales Hannah Doane Rosen John Woodrow Rosenberg *φΣ Amitte Gail Rosenfeld *‡ΦΣ Olivia Nicole Ruggiero $\ddagger \! \Sigma$ Angela Lauren Rugino ‡Σ John Patrick Ryan John Jeremiah Ryan-Henry ‡Σ Jonathan Edward Sailor Ryan Alexander Sailor Yesenia Barbara Sanchez ‡ Tina V. Sankhla *‡Φ Patricia Mae Garcia Santos ‡Σ David Alan Sanz Elias Raphael Scheer ‡ Miya Matthild Schneider Lucy Claire Schultz Σ Tayler Marguerite Schwartz *‡Σ

James Minturn Sedgwick

Geoffrey Joseph Sedor

Natali Rezan Senocak ‡

Gregory Lance Sewitz ‡

Sahar Shahamatdar *‡T

Eleanor Tilghman Sharpe Σ

Michael Charles Sheinfeld

Alyssa Aya Self ‡Σ

Lucas Martin Serra

Angell Shi

Orlen Shiba Σ

Michael Benjamin Sider ‡Σ Katherine Johannet Siegel *‡Φ Rute C. Silva ‡Σ Sanchita Singal *‡φΣ Varun Jasjit Singh Kachapol Sinprasert ‡ Aaron Russell Slan *‡ΦΣ Daniel Slutsky *φ Daniel Alan Smith Mara Katherine Smith Anne Kane Snider $\boldsymbol{\Sigma}$ Travis Michael Spangler Michael Ryan Speaker Σ Jennifer Sarah Steger ‡ David Matthew Stein *‡ Catherine Payne Stewart David Lenox Storch *‡ Benjamin William Strom ‡ Maria Gabriela Suarez Chris Brian Sulawko Eric Pung Sun *‡ΦΣ Sudhandra Sundaram $\ddagger \Sigma$ Joshua C. Sung ‡ Samuel Thomas Swarr Hilary Naa-Afi Tackie Caner Tarlabasi *∑ Jena Leigh Tavormina Luke Alan Boston Tedesco Rachel Vatsal Thakore *‡Σ Tanayott Thaweethai *‡Φ John William Thickstun *‡Σ Stephanie Karalis Thompson Stephanie Jacinda Almoro Tin ‡ Steven Anh Viet Tran ‡Σ Edward Joseph Tremel *‡\$ Kelsey Anna Tripp Harrison Fox Tross *‡ Benjamin B. Trotter Peter Rudolph Vail Rodrigo Vanegas Σ Cole Peter van Krieken Nathan Phillip Van Winkle Carolina Louise Veltri ‡ Manu Vikram Venkat *‡ø Jeremy Royale Wagner *ΦT Kasey Anne Wagner *ΣΤ Mia Elizabeth Waliszewski ‡Σ Hannah Benfield Wallace James Michael Walsh II Chelsea Gwendolyn Walters Morgan Alexander Walti Harry Haran Wanar ‡ Lixian Wang *‡ Majie Wang Elisabeth Ballard Ward ‡ John Sumner Warren Reed Edwin Watne Natcha Wattanatorn Maya Violette Wei ‡ Nathan Tzaddok Geller Weinberger ‡ Lena Weiss ‡

* magna cum laude

- ‡ honors in concentration
- Φ Phi Beta Kappa (elected senior year)
- φ Phi Beta Kappa (elected junior year)
- Σ Sigma Xi
- T Tau Beta Pi

Tyler Ross White Priyan Chandra Wickremesinghe Zachary Boaz Winoker ‡ David Marcus Wittsack Talia Sonnenschein Wong Σ Jacqueline Christi Wooley Karolina Iga Woroniecka *φ Adela Wu *‡φ Connie Mao Wu *Σ Dylan Shuoran Wu Yiping Wu Adam Daniel Wyron *ΦΣΤ Chuying Naomi Xia *Σ Tina Peng Xia *‡ Sandie Shan Xu *Φ Michael B. Yanagisawa ‡Σ Chong Yang

Yilong Yang *‡Φ Mike Yepes Stephanie Feini Yin ‡ Do Young Yoon *\phi Sigrid Sophia Young *‡ Chi Zhang ‡

Lei Zhang Shaopeng Zhang *‡ Jialei Zhu * Lucille Rose Zipf* Ethan Norris Zisson ‡Σ

Rachel Elyse Zolno *‡Σ Jonathan Max Zweig ‡

BACHELOR OF ARTS AND BACHELOR OF SCIENCE

Mohammad Ghazi Hajem Ghazi Atallah *Σ Igryl Sache Cordero Σ Elliot Nance Creager $\ddagger \Sigma T$ Chongwu Du *Φ Chishio Furukawa *‡Ф Hyunjoong William Kim Φ Jonathan Keisuke Yanagawa Kuo Andrew Y. Lee Matthew Vincent Modica Elizabeth Mary Ryan ‡ Riyad Navroz Seervai *‡φΣ Alejo M. Stark Bradbury Thompson Suzannah Leigh Weiss ‡

Candidates for Advanced Degrees



MASTER OF ARTS

Kimberly Anne Adams English Victor Hernan Aguiar Jr. Economics Stefana Maria Albu Neuroscience Amiri Ayanna History Stephen Forrest Barker History Robert John Barnes II Biology Matthew Allen Beach English Adam Simon Bear Philosophy Michael Robert Bedard Economics Kenneth Mark Berger Modern Culture and Media Puneet Bhasin Political Science

Kathryn Birky Environmental Studies

Sara Rose Bobak Urban Education Policy

Girija Borker Economics

Rene Henri Boudreault ESL Education and Cross-Cultural Studies

Ashley Elizabeth Bowen-Murphy Public Humanities

William Derek Bowman Philosophy

Shannon Marie Bragg French Studies

Benjamin Martin Wilhelm Brand German Studies

Caitlin Westberg Brown Pathobiology

Karida L. Brown Sociology

Kathleen Bubrick Urban Education Policy

Gerald M. Carbone Public Humanities

Mario Francesco Carillo

Economics

Michelle M. Carreiro ESL Education and Cross-Cultural Studies

Gregory P. Casey Economics

Silvia Cernea Clark Comparative Literature Margaret Chang Public Humanities Natalie Chavez Molecular Biology, Cell Biology, and Biochemistry Joanna Ciavarella Chemistry

Michael R. Conboy Philosophy Nathaniel Allen Conroy English

Chelsea Anne Cormier McSwiggin Anthropology

Brianna Marie Craft Environmental Studies Mark Antonio Cruz

Urban Education Policy Tianyuan Cui

Biostatistics

Alyce Michelle de Carteret Anthropology

Dipti Dedhia Urban Education Policy

Erendina Alvarez Delgadillo Public Humanities

Chiara Francesca Deltito Urban Education Policy

Danielle Christine DeSantis Urban Education Policy Michael Scott Dickerson

Political Science Sean M. Dinces

Urban Education Policy Micah John Duhaime History

Patrick Nelson Endress Political Science

Linda Faber Urban Education Policy Kathleen Amy Fitzpatrick

English Jessica Fitzpatrick-Collins

Chemistry David Andrew Floyd Urban Education Policy

Diego Agustin Focanti Economics

Russell Steffens Forman Biostatistics

Simon Freyaldenhoven Economics Kaitlin Eileen Friedman

Urban Education Policy Victoria Manova Fulton

Public Humanities

Margarita Maria Gafaro Gonzalez Economics

Yoana Y. Gendzhova Chemistry

Jean-Yves Nicolas Gerardy Economics

Anna Eunjoo Ghublikian Public Humanities

Alexandra Sarah Goodman Public Humanities Brian Andrew Gould

Urban Education Policy

Pavitra Govindan Daniel David Kushner Margaret A. Oti Kristina Marie Soprano Political Science Chemistry ESL Education and Cross-Economics Andre Ricardo Pagliarini Cultural Studies Anne Gray Fischer Jungmin Kwon American Studies History Rama Srinivasan History Caroline Cameron Griffith Julian Francis Park Serena Monsa La Rocque Anthropology Public Humanities Urban Education Policy Modern Culture and Media Alexis Hift Stern Kathryn Jennifer Grive Andrew Y. Lee Jean Besen Paupeck Urban Education Policy Molecular Biology, Cell Biology, Philosophy Public Humanities Sonja Klara Stojanovic and Biochemistry Hyunsup Lee Heitor Sandes Pellegrina French Studies Benjamin Guy Economics Economics Jessica Lynn Tabak History Hongye Li Jorge Eduardo Perez Perez English Jamie Nicole Hansen-Lewis Masaya Takano **Biostatistics** Economics Economics Sarah Rebecca Linet Mauricio Alejandro Pinzon Economics Jane Coleman Harbison Urban Education Policy Latorre Frances Anne Tanzer Public Humanities Anna Catharine Links Economics History Ingrid Carolina Tobar Thommel Jacquelyn Diana Harris Public Humanities Stephanie Lynn Primiani Urban Education Policy Hispanic Studies Public Humanities Kristina Megan Michelle Ayse Esra Topaloglu Akiko Hatakeyama Lukowski Maria De Los Angeles Quintero Biotechnology History Computer Music and Public Humanities Multimedia Philip Sheku Lukulay Sherida Rahaman Gary Oscar Vargas Biotechnology Linlang He Chemistry Pathobiology Environmental Studies Cindy Ka Yan Lung Aurora Alejandra Ramirez Alvarez William Joseph Violette Rebecca Ann Henriksen Urban Education Policy Economics Economics Theatre and Performance Studies Andrea Luyken Swetha Regunathan Apanchanit Viranuvat Katharine Curley Hession American Studies English Hispanic Studies History Julia Paige MacMillan Ashley Erin Robshaw Anna Wada Urban Education Policy Biology Iryna Hniadzko Public Humanities Jiali Wang Slavic Studies Alicia Christine Maggard Kristin Lynn Rockwell Biology Kelly Marie Homer History American Studies Urban Education Policy Loreana Arrea Marciante Michela Ronzani Jennifer R. Wardell Brian Todd Hotchkiss Italian Studies Environmental Studies Pathobiology Biology Adrienne B. Marshall Hannah Elizabeth Ross Heidi Katherine Wendt Shanna Han-Chi Hsu Public Humanities Environmental Studies Classics Laurence Elisabeth Wicht Pathobiology Melissa Geraldine Marzano Adrian Rubli Ornelas Jessica K. Jackson Biology Economics Economics Urban Education Policy Daniel Jesse Ruppel Samantha Erin Wildeboer Aaron Darvon Massey Samantha M. Jackson Urban Education Policy Theatre and Performance Studies Biology Cadence Elizabeth Willse Urban Education Policy James Heath Mayo Lucia S. Rutter Milford Francis James III Urban Education Policy Urban Education Policy History Urban Education Policy Emily Marie McCartan Asli Sahin Margaret Elizabeth Wilson Public Humanities Wenzheng Jiang Molecular Biology, Cell Biology, Urban Education Policy American Studies Courtney James McCracken and Biochemistry Meghan Esther Wilson Christina LuNell Johnson Environmental Studies Maria Elyse Salciccioli Political Science Kathryn Anne McCune Urban Education Policy Alison Elizabeth Wright History Christopher Anders Ian Sampson English Sociology Di Wu Johnson-Roberson Kevin James McGravey English Ethnomusicology Political Science Gabriel Rhodes Santner American Studies Eun Jin Joo Jared C. McKee Urban Education Policy Sarah Rose Yahm Biostatistics French Studies Robert Michael Sarwark Public Humanities Karen M. Jorge Abhilash Medhi Portuguese and Brazilian Studies Minta E. Zlomke History Lucas Costa Scottini English Anthropology Ioana Bogdana Jucan Andrew William Milligan Economics Theatre and Performance Studies Urban Education Policy MASTER OF ARTS Stefanie A. Sevcik Sara Kadkhodaei Svetoslava Petkova Milusheva Comparative Literature IN TEACHING Chemistry Economics Anna Katherine Shapiro Michael Aaron Katz Amanda Minervini Urban Education Policy Benjamin Keith Abrams Urban Education Policy Yang Shen Science Italian Studies Krystle Veda Kaul Raha Moussavi-Aghdam Economics Brianna Marie Balke Political Science Chemistry Derek Randall Sheridan Science Margaret Alice Mulcahy Seth Bryan Bower Rebecca Anne Keane Anthropology Environmental Studies Elementary Education Sociology Janice Shih Nivedita Nath Allison Cathleen Bryan Amy Kerner Biology Timothy Marcus Simonds History Social Studies History Roger Scharf Kligerman Cory Patrick Malachy O'Hayer Mariaeloisa Carambo Theatre and Performance Studies Urban Education Policy Urban Education Policy Carina Ann Sitkus Social Studies

Mary Catherine O' Neill Hyde

History

Urban Education Policy

Jeanmarie Stinson Knoll

Classics

Alexa Kalin Mitton Catao

English

Janna Harriet Charles English Rochelle Lisa Devault Science Nicole Katherine Estabrooks Science Alexandra Grace Hanner English Catherine Justice Howland Elementary Education Ogechi Nosazena Irondi Elementary Education Veronica Leigh Johnson Elementary Education Sara Ellen Kissell English Douglas Le Science Judith Elizabeth Masseur Social Studies Jeremy David Mellema Social Studies Allyson Michelle Miller English Kathryn Alex O'Brien Elementary Education Benjamin John Raymond English Jennifer Lind Reilly English Emily Justine Scherer English Jinaabah A. Showa English Eric Steven Spreng English Amanda Joy Stewart Elementary Education Sean Michael Tinsley English Michelle Corinne Vander Ploeg Elementary Education Latrice J. Williams Elementary Education Rebecca Mather Willner

MASTER OF FINE ARTS

English Debbie Lee Yoon

English

Eric Adamson Literary Arts Leah Mahealani Anderson Theatre Studies: Acting Rebecca Page Ansorge Literary Arts Alston Jeffrey Brown Theatre Studies: Acting Miriam Alanna Cabell Literary Arts Victor Ismael Cazares Theatre Studies: Playwriting John Grant Chapman Theatre Studies: Acting Andrew Elias Colarusso Literary Arts

Amanda Nicole Dolan Theatre Studies: Acting Daniel A. Duque-Estrada Theatre Studies: Acting Gargi Harithakam Literary Arts Ari Bonaventura Kalinowski Literary Arts Peter Mark Kendall Theatre Studies: Acting Barrie Judith Kreinik Theatre Studies: Acting Leicester Llwellhynn Landon III Theatre Studies: Acting Andrew Henry Ledbetter Theatre Studies: Acting Dong Li Literary Arts John Paul Madera Literary Arts Julia Neille Madsen Literary Arts Elizabeth Celeste Morgan Theatre Studies: Acting Margaret Namulyanga Theatre Studies: Playwriting Tuong Vy Thuy Nguyen Literary Arts Nick Francis Potter Literary Arts Ryan Guzzo Purcell Theatre Studies: Directing Jaime Rosenstein Theatre Studies: Acting Aubrey Lynn Snowden Theatre Studies: Directing Caitlin Davis Sporborg Theatre Studies: Acting Ashley Toliver Literary Arts Brandon James Vukovic Theatre Studies: Acting

MASTER OF PUBLIC AFFAIRS

Cynthia Andrews Elder Public Affairs Aaron M. Hertzberg Public Affairs Diana Ines Perdomo Public Affairs

MASTER OF PUBLIC HEALTH

Mariam Siraj Amanullah Public Health Harman Kaur Arora Public Health Oluwatosin Elizabeth Babalola Public Health David Paul Joseph Borcsok Public Health Niya A. Branham Public Health Leah Rebecca Dorfman Public Health

Yoon A. Eom Public Health German Escobar Public Health Heather Jean Felix Public Health Lena My Giang Public Health Erin Lynn Gosekamp Public Health Benjamin Michael Grin Public Health Ampson Paul Hagan Public Health Christian Leigh Heiss Public Health Mengna Huang Public Health Priyanka Joshi Public Health Samantha Linda Kingsley Public Health Neeraja Krishnaswamy Public Health Wylie Luo Public Health Stacy S. Manolas Public Health Samantha Meredith Marder Public Health Efstathios N. Michalopoulos Public Health Bienvenue Ndahiriwe Public Health Elizabeth Rachel Piette Public Health Adila Prasodjo Public Health Swathi Sampangi Public Health Patricia Maria Sandoval Public Health Sidra Jocelyn Scharff

Public Health Carolyn Anne Schmiedel Public Health Heidi Marie Schneider

Public Health Aigerim Shaimagambetova Public Health Caitlin Marie Towey Public Health Larry Orlando Warner Public Health

Jessica Hélène Wells Public Health

Edwina Lea Raynise Williams Public Health

Mei-Fen Yang Public Health

MASTER OF PUBLIC POLICY

Reza Amirmotazedi Public Policy Erica Loretta Brown Public Policy

Benson Feng Public Policy Stephen Joshua Harrington Public Policy Eme Chimdinma Ikpeme Public Policy Cory Bennett King Public Policy Alexa Cosette LeBoeuf Public Policy Hilary Jane McCann McConnaughey Public Policy Jaclyn Hope Murphy Public Policy Enzo Antonio Napoli Sepulveda Public Policy Alexi Pfeffer-Gillett Public Policy Keeley Andrea Smith Public Policy Santiago Alejandro Tellez Canas Public Policy Nathaniel Young Walton Public Policy Zeying Wang

MASTER OF SCIENCE

Public Policy

Michael David Albert Engineering Gregory Gilbert Baltazar Physics Sameer Bandal Computer Science Katherine Rose Barcay Biotechnology Michael James Beach Geological Sciences Catherine Marie Booth Geological Sciences Robert James Booth Jr. Physics Raphael Bost Computer Science Alicia Ann Boucher Computer Science Samantha Claudia Bova Geological Sciences Clark Michael Riordan Bowman Applied Mathematics Ayse Muge Bozkurt Chemistry Joshua William Skilken Brown Computer Science Vaughn Everett Bryant Behavioral and Social Sciences Intervention Carlo Campagnoli Cognitive Science Paul Anthony Carter Mathematics

Chao Chen

Qidong Chen

Computer Science

Applied Mathematics

Wei Chen Noelle Ariane Hutchins Fangjian Ma Marc Louis Shapiro Pathobiology Computer Science Engineering Engineering Xiaoshuang Chen Hasan Tuna İcingir Ahmad Mahmoody-Ghaidary Aakash Sharan Mathematics Computer Science Computer Science Engineering Edwin Kipkosgei Cheruiyot Sang Kostyantyn Malyeyev Natsumi Shintaku Mark Andrew Jacobson Biostatistics Engineering Computer Science Geological Sciences Mainak Mandal Ravi Shanker Singh Hung-I Morris Chuang Michael Anthony Jandron Computer Science Engineering Computer Science Applied Mathematics Maria-Veronica Ciocanel Leroy Linruo Jia Yasaman Mani Stephen Benjamin Sirisky Applied Mathematics Applied Mathematics Biomedical Engineering Physics Shane George Cooney Xin Jia William David Maulbetsch Stephanie Anne Spera Computer Science Biomedical Engineering **Physics** Geological Sciences Mengdi Cui Mingming Jiang Jacqueline Elizabeth McCleary Pamela Aletha Storlazzi Geological Sciences Biomedical Engineering Physics **Physics** Amalia Viorela Culiuc Kelly Shenghua Jin Peter Joseph McGrath David Michael Strickland Mathematics Engineering Mathematics Engineering Yuda Dai Michael Lukacs Jokubaitis David Alex Mély Hang Su Computer Science Physics Cognitive Science Computer Science Laura Elvie Dainton Lauren Margaret Jozwiak Ryan Mark Miller Li Sun Psychology Behavioral and Social Sciences Geological Sciences Computer Science Michael Alexander Monn Megan Bruck Syal Intervention Manisha Kanthilal Nicole Danit Damari Biomedical Engineering Engineering Engineering Pathobiology Sinan Karaveli Vazheh Moussavi Benjamin A. Szajewski William Carl Daniels Engineering Computer Science Engineering Geological Sciences Sarthak Khanal Peter Campbell Nagler Miao Tai Xuan Deng Engineering Physics Biostatistics Daniel Sung-Doe Kim Edward S. Newkirk Biostatistics Martin Tassy Evelyn Denise Eng-Nol **Physics** Mathematics Mathematics Semin Kim Annam Khac Nguyen James Tavares Engineering Jonathan Bartholomew Estrada Mathematics Engineering Computer Science Steven Soojin Kim Declan Danesh Oller Anton V. Tokranov Engineering Rebecca Hayley Fahringer Applied Mathematics Physics Engineering Geological Sciences Madison Ski Krieger Yumeng Ou Dmitry Vagner Applied Mathematics Applied Mathematics Yang Fan Mathematics Physics Xiaopeng Lai Dimitra Papagiannopoulou William Morrow Vaughan Yi Fan Geological Sciences Engineering Engineering Aaron Larocque Alexandra Papoutsaki Bo Wang Engineering Maxime Fortier Bourque Engineering Computer Science Computer Science Mathematics Quang Nhat Le Colleen Marie Peterson Lisa Yuan Wang Christopher William Gagner Mathematics Behavioral and Social Sciences Biostatistics Computer Science Ryo Kyung Lee Intervention Meng Wang Cognitive Science Jonathan Ross Gilbert Ivana Petrovic Computer Science Behavioral and Social Sciences Seungjoon Lee Applied Mathematics Qi Wang Applied Mathematics Tabb Christopher Prissel Intervention Chemistry Mark D. M. Leiserson Christian Alexander Glusa Geological Sciences Qun Wang Applied Mathematics Computer Science Yang Qiu Computer Science Gideon Goldin Ryan David Lester Wenjun Wang Engineering Computer Science Computer Science Hannah Quay-de la Vallee Computer Science Feng Guo Dongfang Li Computer Science Youdan Wang Physics Stephanie Nicole Quintana Computer Science Biostatistics John Charles Hakala Meifang Li Geological Sciences Wei Pin Wong Vibhu Venkat Ramani Physics Engineering Mathematics Jian He Chen Liang Computer Science Chao Xia Computer Science Computer Science Kenneth R. Ramsley Applied Mathematics Patrick Ryan Heck Chang Liu Geological Sciences Xinsheng Xia Psychology Mathematics Hobart Christopher Reynolds Engineering Huanye Liu Elizabeth Margaret Hilliard Computer Science Hongwu Xiao Engineering Computer Science Computer Science Bryce Thomas Richards Priya S. Hirway Pei Liu Computer Science Chen Xu **Epidemiology** Engineering Dominic Raymon Rocco Jr. Computer Science Aditya Gajanana Holla Weiyi Liu Computer Science Ming Xu Computer Science Computer Science Matthew Samuel Rosenfield Engineering Emily Hopper William Michael Longo Physics Wen Xu Geological Sciences Geological Sciences Sinan Sagir Engineering Huanzhong Huang Andrew Cleveland Loomis Physics Wenfeng Xu Computer Science Computer Science Erica Jill Salk Computer Science Syed Raza Husain Wengian Lu Engineering Bojun Yan Biomedical Engineering Engineering Rahul Ratna Shakya Engineering

Engineering

Hee Seung Yang Biotechnology Huiyuan Yang Computer Science Shuo Yang Chemistry Lichao Yu Physics Yue Yu Engineering Richen Zhang Physics Tan Zhang Physics Tan Zhang Computer Science Bingyu Zhao Sr. Applied Mathematics Hanxiang Zhao Computer Science Xuan Zhao Psychology Yang Zou Computer Science Philip Thomas Zucker Physics

MASTER OF SCIENCE IN INNOVATION MANAGEMENT AND ENTREPRENEURSHIP ENGINEERING

Sitanun Ananraya
Innovation Management and
Entrepreneurship
Nicha Angsusingha
Innovation Management and
Entrepreneurship
David Benhamou
Innovation Management and
Entrepreneurship
Yi-Chun Chiang
Innovation Management and
Entrepreneurship
Min Hyun Cho

Innovation Management and
Entrepreneurship

Changjia Ge
Innovation Management and
Entrepreneurship

Amir Ata Ghofrani Innovation Management and Entrepreneurship

Ntohmchukwu N. Izuchi Jr. Innovation Management and Entrepreneurship

Donald T. Kim

Innovation Management and Entrepreneurship

Margaret Lengerich Ulloa Innovation Management and Entrepreneurship

Chenyu Lin
Innovation Management and
Entrepreneurship

Scott Misheloff Linstone Innovation Management and Entrepreneurship Lu Liu
Innovation Management and
Entrepreneurship
Takuji Nakano
Innovation Management and

Entrepreneurship
Abhishek Pramod Patil
Innovation Management and
Entrepreneurship

Patpimol Pichitphan
Innovation Management and
Entrepreneurship

Varsheeni Raghupathy
Innovation Management and
Entrepreneurship

Gad Regensburger Innovation Management and Entrepreneurship

Mor Regensburger
Innovation Management and
Entrepreneurship

Rosemary Romanos
Innovation Management and
Entrepreneurship

Paritosh Ketan Sanghavi Innovation Management and Entrepreneurship

Xinming Shi Innovation Management and Entrepreneurship

Rajasekaran Kumbagudi Sundaram Innovation Management and Entrepreneurship

Michael Talgham Cohen

Innovation Management and

Entrepreneurship Siyang Wang Innovation Management and

Entrepreneurship Laurence John Wattrus Innovation Management and

Entrepreneurship Christopher David Whipple Jr. Innovation Management and

Entrepreneurship Wendy Wenyan Yang Innovation Management and

Innovation Management and
Entrepreneurship

Xiaoyang Yang
Innovation Management and
Entrepreneurship

Jenny Chin Yu Innovation Management and Entrepreneurship

DOCTOR OF MEDICINE

Solomon J. Adelsky Thomas Joseph Thornton Anderson Sarah E. Andiman Caroline A. Andrew Susana Cabral Aniceto Atena Asiaii Maya Barsky Jasmine Nicole Bauknight Ross Matthew Beckman Minal Mahendra Bhojani James Christian Michael Brown Brenna Marie Brucker William J. Brucker Vivek Paresh Buch Cynthia Hanh Le Bui Audrey Christine Butcher Christopher Jordan Byrd Nicholas Hemphill Carter Michael Franklin Chen-Illamos Eugene Blanchard Cone Bradford Vlahos Cotter Kevin Andrew Coughlin Andrew Robert Crawford Ravi Stephen D'Cruz Michael Louis DeSimone Dustin Dezube Camia Crawford Dimock Esther Dorzin Zachary Aaron Drapkin Emily Amos Edwards Whitney Margaret Eng Zachary N. Engler Pamela Andrea Escobar Corey Finnerty-Ludwig Talia Ruth Firestein Jamie Gainor DiPietro Preston Carlisle Linson Gentry Elizabeth Bronwen Gilbert Bryn Alexandra Gonzales-Ellis Lesley Brown Gordon Michelle Marie Gosselin Jeffrey Peter Guenette Lamia Yeasmin Khan Haque H. Mason Hedberg Julia Anne Heneghan Jessica Hart Heney Eve Gail Hoffman Wendy C. Huang Kevin Koon-lun Hui Timothy Winston Jolis Katharine Young-Mee Joo Vinay Nair Kampalath Joelle Beth Karlik Brandon Michael Kirsch Benjamin Harris Kowitt Anita Krishnarao Erin Elizabeth Kunkel Emily Shou Wai Lau Jensen Alexander Law Emily Katie Lo Daniel Lubin Johnny Zeqi Luo Marina Meghan Caitlin MacNamara Andrew Patrick Matson Hannah C. McLane Rory James Merritt Ayesha Nkeobana Nzeribe Zachary Iyore Okhah Shannon Leigh Oppenheim Craig Ronald Otteni Gabrielle M. Paci Jeremy Agu Parker Aleema Abdul Patel Chirayu Govind Patel Andrea Katia Patrico

Erica Lynne Braverman

Michelle Marie Bravo

Alison M. Brock

Wilfredo Perez Jr. Gabriel Joyce Pleasants Zoe Tess Raleigh Toni Marie Ramírez Alexander Grenander Raufi Alexandra Emily Regenbogen Saul Matthias John Rivard Andrew Ephraim Robin Amy Elizabeth Robinson Ryan Dalton Rossi James Robert Rotenberg Emily Summerfield Rowland Sarah Beth Schmidhofer Dana Marie Scott Thomas Michael Scupp Ayushman Sharma Tai Ho Shin Elizabeth Wang Silbermann James Edward Simmons Avani G. Sinha Devin Dirk Smith Matthew Michael Sochat Elvera Sofos Ina Young Soh Kezia Laturah Spence Elizabeth Nakawesi Ssemanda Jeremy Christopher Stricsek John Robert Styczynski Ian Howard Taggart Jonathan Asher Treem Sara Latonya Tribune Erin Shana Valenti Kartik Kailas Venkatesh Jerry Lee Walters II Justin Jihoon Yoon

DOCTOR OF PHILOSOPHY

Sean David Aas

Philosophy

Understanding Global Injustice
Freida Aviva Abtan

Computer Music and

Multimedia

Fear of Flight: Expanded

Presence and Inter-sensory

Gesture in Multimedia

Performance

William Paul Accomando Jr.

William Paul Accomando Jr.

Pathobiology

Epigenetic Biomarkers for the

Detection and Quantification

of Human Leukocytes in Blood

and Tissue

and Tissue
Crystal M. Adams
Sociology
The Production and
Representation of Patient
Empowerment Messages
in Consumer-Directed
Prescription Drug
Advertisements
Stacy-Ann Adeniquea Allen
Pathobiology
Characterization of BKPyV
Interaction with Disialylated

Gangliosides and PKC

Regulated Viral Entry

16

Jacqueline Marie Anderson Yuan Cao Alissa Annie Cordner James Alan Doyle Mathematics Chemistry Sociology Anthropology p-adic Analogues of the Comprehensive Studies on the Risk, Power, and Policy in The First Maya "Collapse": The Mandelbrot Set Outer Membrane Subproteome Environmental Health End of the Preclassic Period at Nathan J. Backman of Caulobacter crescentus Using Controversies: The Case of El Palmar, Petén, Guatemala Computer Science Mass Spectrometry Based Flame Retardant Chemicals Federico Droller C-MR: Continuous Execution Shotgun Proteomics Jennifer Noel Costanza Economics of MapReduce Workflows for Michelle Liu Carriger Sociology Essays on Economic Stream Processing Theatre and Performance Studies Constructing Indigenous Development Jin Suk Bae Theatricality of the Closet: Citizenship: Identity, Authority, Jennie Marie Duggan American Studies Clothing Controversy and Rights in Decentralized Computer Science Fitting into Multiethnic Guatemala in Victorian Britain and Query Performance Prediction Adam Darlow New York: Korean Immigrants Meiji Japan for Analytical Workloads Rayna Michelle Carter Cognitive Science Matthew Lee Duperon from Latin America Akbar Bagri Neuroscience Thinking Causally about Religious Studies "The Way Comes About as Engineering Hippocampal Adult Computer Interfaces Topics in Mechanics of Two-Neurogenesis and the Novel Diana J. Davis We Walk It": Huainanzi and Dimensional Crystalline Antidepressant, Ketamine Mathematics Classical Daoist Ethics Stephen M. Chambers Materials Cutting Sequences on Angelica Duran Martinez Joseph William Bahlman Translation Surfaces Political Science The American State of Cuba: Ecology and Evolutionary Biology Jennifer Reeve Davis Criminals, Cops, and Performance of Dynamic The Business of Cuba and U.S. Molecular Pharmacology Politicians: The Dynamics of Membrane Wings: Foreign Policy, 1797-1825 and Physiology Drug Violence in Colombia Aerodynamics and Shan Che Genetic, Biochemical and and Mexico Biophysical Investigations of Energetics of Mammalian Physics Nașide Gözde Durmuș Gliders and Flappers Scanning Opto-Acoustical Lignocellulose Degradation by Biomedical Engineering Enhanced Efficacy of Gregory Edward Baker Microscopy Actinobacteria for Bioenergy Comparative Literature Signe Laura Christensen **Applications** Nanotechnology-Driven Polina Krylova Decker "Half-read Wisdom": Comparative Literature Approaches against Antibiotic-Classics, Modernism, and Being in Communities in Hispanic Studies Resistant Biofilms in the the Celtic Fringe Twentieth- and Twenty-Borges and the Avant-garde: Presence of Metabolites Hanna E. Berk-Rauch First Century French, A Transatlantic Foundational Anupriya Dutta Molecular Biology, Cell Biology, British, Canadian, and Molecular Biology, Cell Biology, Exchange, 1919-1923 and Biochemistry Francophone Novels Christy Ann DeLair and Biochemistry . Anthropology FMRP Regulates the Expression Orly Clerge An Investigation of miRNA of Axonal Transcripts In Vivo Crafting Indigenous Identity Repertoires in Bdelloid Rotifers Sociology Florencia Borrescio Higa Black Identities Revisited: New in Taiwan: The Role of Caroline Claire Duwaerts Economics and Old African Americans in Handicrafts in the Negotiation Pathobiology Essays on Health and Education Middle Class New York The Complex Role of Kupffer of Community William Derek Bowman Ryan J. Cochran Çağatay Demiralp Cells in the Suppression of Engineering Philosophy Computer Science Cholestatic Liver Injury Utopian Social Models and Techniques for Adaptive Power Computational Brain Susan Helen Ellison Anthropology the Ideal Theory Debate and Thermal Sensing and Connectivity Using Mediating Democracy in El Michael C. Bruce Management of Multi-core Diffusion MRI Alto: The Politics of Conflict French Studies Processors Kerri Leann Donaldson Hanna D'un Atlantique à l'Autre: David A. Colbert Geological Sciences Resolution in Bolivia Traversées Littéraires de Hispanic Studies Compositional Diversity of the Michael Barrett Ellisor l'Atlantique Francophone Memory of the Peripheries: Moon's Anorthositic Crust: Chemistry après la Révolution Haïtienne Narrative Constructions of Integrating Remote Observations Quantitative Proteomic William J. Brucker History in Contemporary with Laboratory Measurements Analysis of 2-Methoxyestradiol Molecular Pharmacology Spanish, Basque, Catalan, of Analogue Materials under Induced Apoptosis in MCF-7 and Physiology and Galician Novels Simulated Lunar Conditions Human Breast Cancer Cells Quantitative and Qualitative Paul James Firenze Nicholas Stephen Coleman Yi Dong Proteomic Investigations of the Economics Engineering Religious Studies α7 Nicotinic Acetylcholine Essays in Government Finance Coupled Dislocation/ Value and the Economics of Dislocation and Solute Receptor Alicia Lee Cooper Religious Capital Robert Griffin Byron Health Services Research Strengthening Mechanisms Heather Anne Ford Computer Music and Predictors and Outcomes of in Metal Alloys Geological Sciences Multimedia High-Risk Prescribing among Diana J. Donovan A Seismological Perspective on Anxiety of Influence: Molecular Biology, Cell Biology, Elderly Medicare Beneficiaries the Lithosphere-Asthenosphere Leroy Leon Cooper and Biochemistry Boundary Artistic Identity in Molecular Pharmacology and Interactive New Media The Genetic and Biochemical Dana May Francis Physiology Analysis of the Chromatin-Molecular Pharmacology and Age-Associated Arrhythmogenic Targeting Protein BRD2 in Physiology Substrate and Trigger in a Mammalian Development The Molecular Basis of Rabbit Model of Cardiac Aging Mitogen-Activated Protein Kinase (MAPK) Regulation by

Kinases and Phosphatases

William Michael Holmes Steve Guglielmo Jinxia Fu Sohini Kar Chemistry Psychology Molecular Biology, Cell Biology, Anthropology Phase Behavior and The Information-Seeking and Biochemistry Creditable Lives: Microfinance, Thermodynamics of Polycyclic Process of Moral Judgement Mechanistic Insight into Development, and Financial the Modulation of Prion Risk in India Aromatic Compounds and Martin Maximiliano Guzman Brominated Flame Retardants Sinan Karaveli Propagation by Co-Economics Understanding the Causes and Translationally Acting Protein Li Gao Engineering Geological Sciences Effects of Financial Crises Maturation Factors Engineering Light Emission Mechanisms Governing the Timothy M. Haase Younghun Hong from Magnetic Dipole Leaf Lipid D/H Ratio Mathematics Transitions Variations and the Application Watching the World Unravel: Nonlinear Schrödinger Kwang-Min Kim to Paleoclimatology Juvenal's Satirical Mechanics Equations with Potentials Biomedical Engineering Adriane Genette Hamed Haft Baradaran Thomas Andrew Hulse New Insights into Nerve Regeneration in the Central English Engineering Mathematics Social Spaces and Literary Modeling Diffusion, Triple Shifted Sums of Nervous System (CNS): Spaces in Post-Apartheid Deformation, and Fracture Automorphic L-functions Response of Rat Hippocampal in Thin Film Electrodes Neurons to Chemical and South African Fiction Noelle Ariane Hutchins Alex Geringer-Sameth Omar Sultan Haque Pathobiology Electrical Cues Integrative Studies The Multifaceted Roles of Alice Klima Physics Comprehensive Approaches Reform of the Clinic: Social Fas and PD-L1 on Liver History of Art and Architecture and Results in the Indirect and Psychological Causes and Sinusoidal Endothelial Cell A Bohemian Monastery: Dark Matter Search Cures for Dehumanization in The Last Bishop of Prague Dysfunction in Sepsis Sonja Glaab-Seuken Hospitals Emmette Ramsey Hutchison (1301-1343) and the Monastery History Caroline J. Harper Neuroscience of Augustinian Canons at Ecology and Evolutionary Biology Covering Crime: Political Investigation of the miR-181 Roudnice (Raudnitz) on the Elbe Violence and the Press in The Anatomy and Mechanics of Family in Glioblastoma Paul A. Klumpe Imperial Germany the Tongue in a Nectar-Feeding Multiforme and Astrocyte Philosophy Bat, Glossophaga soricina Jacob Salomon Goldston Inflammatory Response Addiction and Responsibility Anselma G. Hartley Paul Michael Huwe Alex Robert Knodell Economics Essays on Semiformal Financial Psychology Physics Archaeology and the Ancient Reconceptualizing the Dark Matter Substructure Institutions in Rural India Perception and Assessment Small-World Networks and Chao Gong in High Redshift Clusters of Personality Change of Galaxies Mediterranean Dynamics in the Chemistry Analysis of the Human Yuko Hasegawa Yohei Ishii Euboean Gulf: An Archaeology Microtubule Interactome Molecular Biology, Cell Biology, Engineering of Complexity in Late Bronze and Biochemistry Self-Organized Ripple Age and Early Iron Age Greece Using Multidimensional Chromatography and Tandem Visualization of Microbial Formation During Ion Matthew Michael Konig Mass Spectrometry Communities Using Bombardment: Relation Philosophy Khristina F. Gonzalez Fluorescence In Situ to Stress, Viscous Flow, Taking Seriously the English Hybridization and Spectral and Defect Kinetics Metaphysics of Mental Malevolent Civility: The Imaging Technology Sukriti Issar Causation: A Nonreductivist Sociology Victorian Novel and the Tai-Sen He Account Logic of Reform Economics The Slum in Urban Dorothy Marie Koveal Laboratory Experiment and Austin C. Gorman Governance: Policy, Molecular Biology, Cell Biology, English Incentives: Three Experimental Politics, and Institutional and Biochemistry The Postwar American Novel Studies Transformation in Mumbai, Structural and Functional Investigation of Protein and Mr. Keynes: Literature in Don N. Ho 1880-2010 the Age of Stabilizing Economic Chemistry Chathuraka Teekshana Jayasuriya Phosphatases and Scaffolds Disequilibrium Iron Oxide, Gold-Silver Alloy, Pathobiology that Regulate Phosphorylation Investigating the Isadora Grevan de Carvalho Deborah YongHyun Kwon and Heterostructure Chondroprotective Nature Portuguese and Brazilian Studies Nanoparticles for Magnetic Neuroscience Fetishism as Structure, Image, and Optical Theranostic of Extracellular Matrix Characterization of Survival and Performance in the Theater Applications Protein Matrilin-3 Motor Neuron Protein of Nelson Rodrigues Shawna Marie Hollen Jessica Johnson Degradation Simina Ruxandra Grigoriu Physics American Studies Christopher Michael Lamberti Molecular Biology, Cell Biology, Cooper Pair Localization The Labor of Refuge: Kalmyk History and Biochemistry Displaced Persons, the 1948 Riot Zone: Chicago 1919 in Thin Films near the The Molecular Basis of Superconductor-Insulator Displaced Persons Act, and the Roto Le Calcineurin Inhibition by Transition Origins of U.S. Refugee Engineering Protein Regulators David Michael Hollibaugh Baker Resettlement Parallel Heterogeneous Peng Guan Geological Sciences Hye-Young Jung Computing: A Case Study on Computer Science The Transition from Complex Health Services Research Accelerating JPEG2000 Coder Virtual Human Bodies with Crater to Peak-Ring Basin on Do Efficiency and Improved Chad J. Leahy Hispanic Studies Clothing and Hair: From the Moon and Mercury: Coordination of Care Lead to Translatio Hierosolymae: The Images to Animation Observational Constraints Better Patient Outcomes among Rhetoric of Jerusalem in Early on Impact Basin Formation Medicare Beneficiaries?

Modern Spain

Ashly Christine Leder Brown Neuroscience The Dynamic Role of Wnt1 in Midbrain Dopamine Neuron Development Sunghwan Lee Engineering Amorphous IZO-based Thin Film Transistors: Native Defect-based Doping, Amorphous Phase Instabilities, Threshold Voltage Shifts, and Metallization Strategies Thomas Peter Leppard Archaeology and the Ancient World The Logics of Island Life: The Archaeology of Movement, Distance, and Settlement in the Neolithic Aegean and Ceramic Age Lesser Antilles Inna Leykin Anthropology 'Population Prescriptions': State, Morality, and Population Politics in Contemporary Russia Gerard Paul Marcelo Leyson Engineering Solute Strengthening from First-Principles and Applications to A1 and Mg Alloys Li-Mei Lim Mathematics Multiple Dirichlet Series Associated to Prehomogeneous Vector Spaces and the Relation with GL3(Z) Eisenstein Series Chang Liu Health Services Research The Impact of Insurance Policy Changes on Patients' and Providers' Behavior and Cost of Care — Experiences from Medicare Drug Policy and State Medicaid Nursing Home Policy Feng-Hao Liu Computer Science Error Tolerant Cryptography Jingyu Liu Chemistry Bioaccessibility and **Environmental Transformations** of Metal-Containing Nanomaterials and Consumer **Products** Yanan Liu Chemistry X-Ray Phase Contrast and Spatial Harmonic Imaging Yufei Liu Applied Mathematics Large Deviations Rate

Functions for the Empirical

Measure: Explicit Formulas and

an Application to Monte Carlo

Shannon Elizabeth Loomis Geological Sciences On Branched Glycerol Dialkyl Glycerol Tetraethers: Development and Application of a Paleotemperature Proxy Daniel Scott Loss History The Afterlife of Christian England, 1944 to the Present Michael Ming Hong Luk **Physics** The Search for a Heavy Top-Like Quark Mercedes Carrillo Lyson Sociology Remedying Health Inequality or Body Policing? The Class Politics of the Alternative Food Movement Alissa Amy MacMillan Religious Studies "There Goes HOBBS, the Atheist!" On Hobbes on Religion Aniruddha Maitra Modern Culture and Media Narcissism and the Scene of Reading: Towards a Global Politics of Local Aesthetics Arturo Alejandro Márquez Gómez Hispanic Studies Desastre y Desvío: Narrativas de la Catástrofe en el Chile Contemporáneo Amy Bliss Marshall History Creating Mass Culture in Interwar Japan Stephen Devins Marth Italian Studies Ethereal Avant-garde. The Body in Early Twentieth-Century Italian Literature, Visual Culture, and Science Kyle James Matthews Hispanic Studies Bodies of Evidence: The Grotesque Body and the Reconfiguration of Nation in Mexican Historiographic Metafiction Sam Irving McNeal Jr. Pathobiology The Role of RIP1 Kinase in the Progression of Septic Liver Injury Amanda Minervini Italian Studies From Cavalry to Calvary: Representations of St. Francis of Assisi in Twentieth-Century Italy

Daniel Leo Miranda Biomedical Engineering The Application of Biplanar Videoradiography to the Study of Kinematic and Kinetic Factors Associated with Non-Contact Deceleration ACL Injury Jennifer Mitchel Biomedical Engineering Influence of Microfabricated Cues on the Motility and Growth of Cells of the Nervous System Christine Young Mok Theatre and Performance Studies Disorientations: Theatricality and Contemporary Asian American Performance Andrew E. Monroe Psychology Moral Updating Kenneth Benjamin Morabito Biomedical Engineering Advancing Point-of-Care Applications through Ultraviolet Protective Mechanisms and Disease Diagnostics Shay Mozes Computer Science Efficient Algorithms for Shortest-Path and Maximum-Flow Problems in Planar Graphs Abdel Gabar Mustafa Engineering Intermediate Technology, Hydro-Climatology, and Public Policy: Integrated Technical Intervention Strategy for Optimal Engineering Design and Implementation for Sustainable Infrastructure Development Dinakar Muthiah Mathematics Double MV Cycles, Affine PBW Bases, and Crystal Combinatorics Julia Alejandra Najera Neuroscience Seeing from the Skin: Characterization of the

Ultraviolet Light Induced Phototransduction Pathway in Human Epidermal Cells Dhritiman Nandan Physics Techniques for Computing Scattering Amplitudes: Mellin

Space, Inverse Soft Limit, Bonus Relations Chima D. Ndumele Health Services Research Exploring Sources and Consequences of Variation among Adult Medicaid Enrollees

Ezio Neyra Magagna Hispanic Studies Tres Dandis Ejemplares en Tiempos de Cambio: José Silva, Abraham Valdelomar, y Roberto de las Carreras Elizabeth Ann Normand Neuroscience Genetic Disruption of the Thalamus in the Context of the Neurodevelopmental Disorder Tuberous Sclerosis

Yagmur Nuhrat Anthropology Fair Enough? Negotiating Ethics in Turkish Football Robert Matthew Ogburn

Ecology and Evolutionary Biology Succulence: A Unifying Theme in Studies of Ecology, Physiology, and Evolution in

the Plant clade Portulacineae Sutee Olarnrithinun Engineering Discrete Dislocation Modeling of Fracture/Fatigue Jonathan Morin Olly American Studies Imagining the Old Coast:

History, Heritage, and Tourism in New England, 1865-2012 Ee Cheng Ong

Economics Essays in Race and Education Vivek Singh Parihar Physics A Measurement of the Top

Quark Mass in the Lepton + Jets Channel Using the Ideogram Techique at DØ Fabio Pavia

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Omar Pereyra Sociology Residencial San Felipe: Contemporary Latin American Middle-Class Groups Meet María Pizarro Prada Hispanic Studies La Novela Policial Trasatlántica, una Pregunta por la Verdad (1975-2010) Colin Arms Porter

Anthropology "Monuments to a Nation Gone By": Fortified Houses, King Philip's War, and the Remaking of a New England Frontier, 1675-1725

Lulu I. Tsai Chloe Nerissa Poston Andrew Rotondo Pantelis Solomon Chemistry Philosophy Economics Molecular Biology, Cell Biology, Mass Spectrometry-Based Standing Your Ground: Essays in Economics of and Biochemistry Global Proteomic Analysis of Epistemic Justification in The Role of Chemoreceptors Education Endoplasmic Reticulum and the Face of Disagreement in the Axonal Guidance of Susan Little Solomon Mitochondria Contact Sites Felicia I. Salinas-Moniz Olfactory Sensory Neurons Comparative Literature Catherine Alexandra Pratt American Studies New Writing: Modernism, Hao Tu Punctuation, and the Molecular Biology, Cell Biology, Latina Imprints and Physics and Biochemistry Impressions: A Study of Intermedial Text Theoretical and Numerical Translational Control and Contemporary Popular Arnold Ji-ung Song Studies of Entropy-Driven Active Transport of Vg1 mRNA Fiction for Latina Readers Engineering Self-Assembled Smectic-A Aeromechanics of Highly Monolayer Membranes in Xenopus laevis Oocytes Paul Francis Salipante Avinash Pujala Engineering Compliant Structures: Bat Jason Matthew Urbanus Electrohydrodynamics of Wings, Compliant Membranes, Archaeology and the Ancient Neuroscience The Neural Mechanisms Simple and Complex Interfaces and Flexibly Mounted Flat Plates World Underlying Ventral and Mark Robert Salvatore Sandra I. Sousa Settlement and Space in Dorsal Root-Evoked Fictive Northwest Iberia: Transition Geological Sciences Portuguese and Brazilian Studies in the Territory of the Castros Locomotion in the Neonatal Geochemical Signatures of Ficções do Outro: Império, Mouse Spinal Cord Stable Planetary Surfaces: Raça, e Subjectividade no Culture during the Late Iron Emma Christine Reilly Oxidative Weathering Moçambique Colonial Age and Early Roman Period Florian Erhard Sprung Joshua Kyle Vaillancourt Pathobiology Processes on Earth and Mars Understanding and Harnessing Kateryna Samoilova Mathematics Religious Studies The Arithmetic of Elliptic Innate and Innate-like Cells Philosophy Darwin's Doubted Idea: **During Viral Infection** The Case for Pluralism about Curves in Towers of Number The Cognitive Contours of María Isabel Restrepo Tamayo Introspection Fields Evolutionary and Religious Engineering Michael A. Segala Deqing Sun Thought Characterization of Probabilistic Felipe Valencia Physics Computer Science Search for a Higgs Boson Volumetric Models for 3-D From Pixels to Layers: Joint Hispanic Studies Produced in Association with "El Melancólico Vacío": Computer Vision Motion Estimation and Jacob Charles Richman a W Boson at the LHC Segmentation Poesía Poética y Melancolía Miguel Angel Segovia Xiaolian Sun entre La Galatea de Cervantes Computer Music and Multimedia Religious Studies Chemistry y las Soledades de Góngora The (unfinished) Ballad of Reading through Race, Gender, Synthesis and Applications of (1585-1614) and Class Lines: Towards a Vladimir Vlaovic Multicomponent Nanoparticles Adam and Elena Emery: The Creation of a Multimedia Recuperative Ethics of Reading Benjamin Raphael Teitelbaum Philosophy Murder Ballad and the Sarah Jane Seidman Ethnomusicology Normative Reality: Heavy-Development of a Working American Studies "Come Hear our Merry Song": Duty Realism and the Venceremos Means We Shifts in the Sound of Method for Roving Expressivist Challenge Shall Overcome: The African Contemporary Swedish Marek Vondrak Performances Leila Elizabeth Rieder American Freedom Struggle Radical Nationalism Computer Science Molecular Biology, Cell Biology, and the Cuban Revolution, Sean S. Teller Physically Plausible Human and Biochemistry Engineering Pose and Control Estimation 1959-1979 High Frequency Viscoelasticity Complex Tertiary Structure Junhyeok Seo from Video Kimberly A. Waller Governs RNA Editing of the of Soft Materials at Low to Chemistry Drosophila Paralytic Transcript Synthetic Analogues of the Moderate Strains with Biomedical Engineering Shelby Hayhoe Riskin Molybdenum and Tungsten Implications for Vocal Fold Preventing Biological Wear Ecology and Evolutionary Biology Enzymes and Their Reactivity Tissue Engineering in the Synovial Joint: The Role The Hydrological and with Carbon Dioxide and Dikshya Thapa of Lubricin as a Boundary Biogeochemical Consequences Protons Sociology Lubricant and Tribosupplement of Conversion to Soybean Nicholas J. Shubin Reproducing Development: Zhi Wang Pathobiology Donors, States, and NGOs in the Cultivation on the Amazonian Economics Agricultural Frontier The Role of B and T Fight for Symbolic Legitimacy Essays on Intercity Migration Anna Macklin Ritz Lymphocyte Attenuator in Susanna M. Theroux in the U.S. and Urban Housing Computer Science Innate and Adaptive Immune Geological Sciences Markets in China Algorithms for Identifying Cell Dysfunction during Sepsis Diversity and Ecology of Matthew John Peters Warne Lacustrine Haptophyte Structural Variants in Human Daniel F. Silva Computer Music and Portuguese and Brazilian Studies Algae: Implications for Multimedia Genomes Paleothermometry Gregory James Rizza Empire's Individuals and the Listening and Reflection in an Reproduction of Imperial Julia Timpe Electroacoustic Compositional Engineering Plane Deformations Generated Meaning in Colonialism and History Practice Shau-Ming Wei by Prescribed Finite Rotation Postcoloniality Hitler's Happy People: Kraft John Roma Skok Fields: Issues and Applications durch Freude's Everyday Neuroscience Paul Mark Robertson BDNF Val⁶⁶Met Polymorphism Geological Sciences Production of Joy in the Mars Volcanic Evolution: Third Reich and Gonadal Hormones Religious Studies Paul's Letters and Spectroscopic Analysis of Sailesh Tiwari Modulate Basal and Working Contemporary Greco-Roman Igneous Compositions Memory-Related Neural Economics Literature: Theorizing a New Three Essays in Development Functions in Humans

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Chiwook Won

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Reasons, Actions, and Causes

Binbin Wu

Chemistry

Photoacoustic Effect in Sinusoidally Modulated Structures, Thermal Diffusion in a Linear Temperature Field, X-Ray Spatial Frequency Heterodyne Imaging, and

Optical Traps

Yang Yang

Applied Mathematics High Order Numerical Methods for Hyperbolic Equations: Superconvergence and Applications to δ -Singularities and Cosmology

Qibin Ye *Physics*

Bi-local Approach to Higher Spin Gravity

Atilgan Yilmaz

Molecular Biology, Cell Biology, and Biochemistry Selective Regulation of BMP4 Signaling by the Receptor Tyrosine Kinase MuSK

Xiaojiao Yu

Engineering

Monotonic and Cyclic Behavior of Mo and Mo Binary Solid

Solution Alloys

Zohar R. Zephrani

Psychology
Elucidating the Role of
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Yifan Zhang

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Methods for Convection
Diffusion Equations:
Positivity Preserving and
Multi-scale Resolution

Jiachen Zhou

Epidemiology Prospective Studies of Fluid Intake and Lower Urinary

Tract Symptons in Relation to Risk of Bladder Cancer

Wenjin Zhou

Computer Science

In Vivo Microstructural and Anatomical Analysis of Brain White Matter from Diffusion MRI

Xueyu Zhu

Applied Mathematics Reduced Basis Methods and Their Applications

Candidates for Honorary Degrees



BENJAMIN AFFLECK

Doctor of Fine Arts (D.F.A.)



Ben Affleck is a two-time Academy Award winner who has been recognized for his work as a director, actor, writer, and producer.

Affleck most recently directed, produced and starred in the award-winning *Argo*, a fact-based drama about the then-classified mission to rescue six Americans trapped in Iran during the hostage crisis. The most acclaimed film of 2012, *Argo* swept the year's top honors, including the Oscar, Golden Globe and BAFTA Award for Best Picture. Affleck also won Golden Globe, BAFTA, and Critics' Choice Awards for Best Director, and was

nominated for a BAFTA Award for Best Actor.

Affleck made his directorial debut in 2007 with the feature *Gone Baby Gone*, for which he earned several critics groups' awards, including the Best Directorial Debut Award from the National Board of Review. Additionally, he won the Breakthrough Director of the Year Award at the 2007 Hollywood Film Festival. Affleck also co-wrote the screenplay for the film, adapted from the Dennis Lehane novel.

In 2010, Affleck directed and starred in *The Town*, in addition to cowriting the screenplay. The film was named among the top 10 films of the year by the American Film Institute, and the cast won the National Board of Review Award for Best Ensemble. Affleck received a Writers Guild of America Award nomination for *The Town*, which also brought Oscar, Golden Globe and Screen Actors Guild Award nominations to co-star Jeremy Renner.

Affleck first came to prominence in 1997 with the acclaimed drama *Good Will Hunting*, which he starred in and co-wrote with Matt Damon. The two won an Academy Award for Best Original Screenplay, as well as a Golden Globe Award and Humanitas Prize. The following year, Affleck starred in John Madden's Oscar-winning *Shakespeare in Love*, sharing in a Screen Actors Guild Award for Outstanding Motion Picture Cast.

In addition to his successful film career, Affleck is a passionate advocate and philanthropist. In March 2010, he founded the Eastern Congo Initiative, the first U.S.-based advocacy and grant-making initiative wholly focused on the mission of helping the people of eastern Congo support local community-based approaches that create a sustainable and successful society in the long-troubled region. Affleck is also a longtime political activist, as well as a strong supporter of many charitable organizations, including Feeding America, Paralyzed Veterans of America, A-T Children's Project and the Jimmy Fund.

Tu, o vir praeclare, magna cum gloria partes egisti et fabulas docuisti, magno cum studio gentibus orbis terrarum opem atque auxilium tulisti. Coronam tibi dedit Collegium Histrionum tum primum ob fabulam Good Will Hunting, et nunc quidem tibi sunt opera histrionia varietate iucunditateque maxime praecellentia in quibus multas personas et res Americanas egisti. Quam in his apparet quantopere patriam Boston ames! Te socii peritum et callidum fabulas docere iam pridem agnoscunt, quae sententia est confirmata cum data est tibi corona et ob Argo. Qui hanc actionem scaenicam illorum eventorum Americanorum spectaverunt omnino oblectati sunt atque animo studiose volutabant quem ad modum gerantur res inter gentes. Praeterea operam rebus dedisti vel non scaenicis, nam Consilium de Congo Orienti condidisti ut illa civitas in posterum valeret. Quin hoc est primum consilium Americanum quod opes pro illis populis bello afflictis petit. Aucta sunt propter hoc non solum salus matrum liberorumque sed etiam consilia scholarum alendarum atque res novae intra civitatem ad publicas opes pertinentes. Quia populos egestate belloque maxime subactos diligenter adiuvas et multum profuisti scaenicis rebus, idcirco te Doctorem in Artibus Elegantibus salutamus, honoris causa.

JUNOT DÍAZ

Doctor of Letters (Litt.D.)



Junot Díaz is the Rudge and Nancy Allen Professor of Writing at the Massachusetts Institute of Technology and fiction editor at *Boston Review*. He is the author of the critically acclaimed *Drown; The Brief Wondrous Life of Oscar Wao*, which won the 2008 Pulitzer Prize and the National Book Critics Circle Award; and *This Is How You Lose Her*, a *New York Times* bestseller and National Book Award finalist.

In 2012, Díaz was named a MacArthur Fellow by the John D. and Catherine T. MacArthur Foundation, which said of him:

"Junot Díaz is a writer whose finely crafted works of fiction offer powerful insight into the realities of the Caribbean diaspora, American assimilation, and lives lived between cultures. Born in the Dominican Republic and living in the United States since adolescence, Díaz writes from the vantage point of his own experience, eloquently unmasking the many challenges of the immigrant's life. With skillful use of raw, vernacular dialogue and spare, unsentimental prose, he creates nuanced and engaging characters struggling to succeed and often invisible in plain sight to the American mainstream."

Díaz emigrated to the United States when he was turning six, arriving in New Jersey, where he lived with his father. He attended public schools in New Jersey and began undergraduate studies at Kean College, transferring to Rutgers College, where he earned his B.A. in English in 1992. He earned his M.F.A. from Cornell University in 1995.

In addition to the MacArthur "Genius" Fellowship and the Pulitzer Prize, Díaz has received the PEN/Malamud Award, a fellowship from the John Simon Guggenheim Memorial Foundation, a Lila Acheson Wallace Readers Digest Award, the Dayton Literary Peace Prize, Guggenheim Fellowship, and PEN/O. Henry Award, the Rome Prize from the American Academy of Arts and Letters, and other honors.

Ut scriptor, magister, adiutor, tuis verbis scriptis dictisque bene explicavisti vitas advenarum in nostra patria et difficiles res vincendas ab illis quorum mentes moresque cultibus gentium variorum formati sunt. O donate praemiis egregiis, praesertim Pulitzer et MacArthur, demonstravisti quantum fortia verba efficiant ut vicinos nostros et nosmet melius intellegamus. Expetivisti autem novas vias quibus homines ad studium artium liberalium revoces et iuvenes peregrinos praecipue adjuvisti ut, sicut tu, vitam meliorem in hac patria habeant. Propter tua merita in litteris praestantia, tuam benevolentiam, et tuum ardorem omnes docendi, te in Litteris Doctorem salutamus, honoris causa.

ABOUT THE HONORARY DEGREES

Honorary doctoral degrees are awarded by the University's Board of Fellows and conferred by the president. During the Commencement exercises the citations are read in English. The Latin translations of this year's citations appear on these pages, following the honorees' biographies.

STANLEY FALKOWDoctor of Science (Sc.D.)



Stanley Falkow, a 1961 Ph.D. graduate of Brown University, is widely regarded as one of the most productive, inventive, and influential bacteriologists of a generation. His observations and research into the molecular mechanisms of bacterial pathogenesis — how bacteria invade healthy host cells and cause disease — have inspired the research careers of many Ph.D. graduates from his lab and have advanced the world health struggle against a variety of endemic diseases.

Falkow began his career as a microbiologist at the Walter Reed Army Institute of Research

in the Department of Bacterial Immunology. He held academic positions at Georgetown University Medical School and the University of Washington Medical School before arriving at the Stanford University School of Medicine in 1981. He pioneered infectious disease research through his recognition of the role of plasmids in antibiotic resistance and laid the foundation for the field of molecular bacterial pathogenesis. Among his achievements are the first molecular cloning of a microbial virulence factor, the first identification of a bacterial factor responsible for host cell entry, and the elucidation of key virulence determinants in some of the world's most dangerous bacteria, including *Salmonella*, *E. coli*, *Bordetella*, *Yersinia*, and *Helicobacter*.

Microbiologists who have trained with Falkow speak of his love of science, of his native curiosity, and of his ability to inspire the spirit of scientific inquiry. They speak also of his generous spirit, of his practice of allowing students and postdoctoral researchers to take whatever they wanted from his lab as they left to start careers elsewhere. For his part, Falkow has said he does not consider that a matter of generosity, but of fairness: "I learned far more from them than they ever did from me." He is also very supportive of women in science. At least half of his students have been women, most of them now highly successful scientists.

Although he continues to teach, Falkow retired from the Stanford School of Medicine in the spring of 2010 to pursue less scientific interests including fly fishing and flying. (He earned his pilot's license at the age of 72.) His achievements in a long laboratory career have brought him many international honors, among them election to the U.S. National Academy of Sciences, election as a foreign member of the Royal Society, and the prestigious Lasker-Koshland Special Achievement Award in Medical Science.

Tu qui primus minutissima animalia investigavisti, O magister et rector auctoritate gravissime, alumne Universitatis Brunensis summis gradibus, pater haberis illorum quaerentium qua ratione homines bacteriis in morbum cadant. Quod naturam salubrium animalium parvissimorum praecipue exploravisti, cogitationes medicorum de omnibus bacteriis in corpore humano mutavisti ut novis modis morbos frequentissimos, in his pertussim, melior curent. Tantam scientiam novam invenisti ut nostra principia morborum quaerendorum praeferres. Hoc autem est gratissimum et honestissimum, quod non modo tuum ardorem quaerendi scientiam cum aliis libenter communicavisti sed etiam ad medicos futuros educandos te dedisti. Propter res gestas pro medicina, salute, docendo, te iure Doctorem in Scientia salutamus, honoris causa.

BEVERLY WADE HOGAN

Doctor of Humane Letters (L.H.D.)



Beverly Wade Hogan has devoted her professional career to the well-being of the people of Mississippi. She has coordinated health services, championed and administered mental health programs, served as a commissioner for worker compensation, and provided leadership for a number of government agencies and nonprofit organizations. In 2002, after six years on its Board of Trustees and five years in its executive ranks, she accepted the presidency of Tougaloo College, her alma mater.

Born in Crystal Springs, Miss., the

youngest of five children, Hogan grew up in a household that was very involved in community affairs. "I was encouraged along those lines," she told an interviewer at the *Planet Weekly* in Jackson, "so as I grew up, I naturally took on the role of wanting to make a difference in my community."

She majored in psychology (B.A., 1973), working during her student years as a health services coordinator at the nonprofit Friends of Children of Mississippi. After graduation, she worked at the Hinds County Mental Health Association, beginning as a therapist and then serving as executive director for eight years. In 1983 she became executive director of the Mississippi Mental Health Association. She helped organize a rape crisis center, a shelter for battered women, and Mississippi's first psychiatric halfway house. President Carter made her a delegate to the 1980 White House Conference on Families.

She began 14 years of service in government as CEO of the Governor's Office of Federal State Programs, overseeing the administration of all federally funded projects in the state. Her service included 10 years as a commissioner with the Mississippi Workers Compensation Commission and, in her private life, service as a United Way volunteer, state chair of the Campaign for the United Negro College Fund, and national service as a member of President Obama's board of advisers for Historically Black Colleges and Universities. She also earned a master's degree in public policy and administration from Jackson State University in 1990.

Her entry to higher education administration began with service on the Tougaloo Board, from 1991 to 1997. She began working for Tougaloo as the founding director of the Owens Health and Wellness Center and executive assistant to the president, and was named vice president for institutional advancement in 2000. As president, she has added new degree programs, an honors program, and three new research centers, including the Center for Civic Engagement and Social Responsibility. A series of renovations during her tenure, including the Bennie G. Thompson Academic and Civil Rights Research Center, has transformed the Tougaloo environment.

Brown honors Hogan as the University and Tougaloo College prepare to mark the 50th anniversary of an extraordinary partnership. The two institutions signed their partnership agreement on May 18, 1964, the 10th anniversary of the Supreme Court's landmark *Brown v. Board of Education* decision.

Tu, o magistra, adiutrix rerum publicarum, dux communitatis et humanitati dedita, mare vitae privatae publicaeque Officio et Philosophia comitibus navigavisti. Nata es in Mississippi, et patria tua laboribus tuis crevit floruitque. Valetudinem mentis et salutem feminarum tua scientia benevolentiaque protexisti et praeterea domos opesque omnibus civibus suppeditare petivisti. Tu prima de Africanis-Americanis feminisque pervenisti ad honores altos, et adiuvisti rumpere claustra cohibentia ingenio praeditos, et nisa es vitas civium facere meliores ut nullus careret rebus necessariis ad vitam beatam vivendam. Praeses praecellens Collegii Tougaloo, te laudamus et hoc celebramus quod quinquaginta annos Universitas Brunensis et Collegium Tougaloo societate singulari coniuncta sunt. Te duce, Tougaloo discipulos hortatum est ut ipsi quid intellegere velint inquirerent, necessitatibus civium moribusque populorum operam darent, et laborum domesticorum participes essent. Pro ardore rerum publicarum, studio doctrinae, consiliis novis de omnium civium aequalitate, te Doctorem Litterarum Humanarum salutamus, honoris causa.

RISA LAVIZZO-MOUREY

Doctor of Medical Science (D.M.S.)



Risa Lavizzo-Mourey is president and CEO of the Robert Wood Johnson Foundation, a position she has held since 2003. The Robert Wood Johnson Foundation is the nation's largest philanthropy dedicated solely to health and health care.

Raised in Seattle by parents who both were practicing physicians, Lavizzo-Mourey knew she wanted to be a doctor since childhood. She did her undergraduate work at the University of Washington and the State University of New York at Stony Brook and earned her medical degree from Harvard

Medical School. Lavizzo-Mourey completed her residency in internal medicine at Brigham & Women's Hospital in Boston and was a Robert Wood Johnson Clinical Scholar at the University of Pennsylvania. She trained in geriatrics at Penn and earned an M.B.A. from the Wharton School.

With her training in geriatrics, Lavizzo-Mourey served the University of Pennsylvania as the Sylvan Eisman Professor of Medicine and Health Care Systems. She also directed the Institute on Aging and was chief of geriatric medicine at the University of Pennsylvania's School of Medicine. She was known for making house calls and creating caregiving teams with other specialists and nurse practitioners to better serve her patients.

As president and CEO of the Robert Wood Johnson Foundation, Lavizzo-Mourey has supported research and implemented programs that address the nation's most pressing health issues, working toward a national culture of health. Those efforts include reversing the childhood obesity epidemic, containing the rising cost of health care, expanding the role of highly trained nurses, addressing social factors that impact the public's health, ensuring universal access to health care, and supporting a new generation of health leaders.

At the federal level, Lavizzo-Mourey has served on the White House Health Care Reform Task Force and on numerous federal advisory committees, including the Task Force on Aging Research, the National Committee for Vital and Health Statistics, and the President's Advisory Commission on Consumer Protection and Quality in the Health Care Industry. She cochaired a congressionally requested Institute of Medicine study on racial and ethnic disparities in health care.

Lavizzo-Mourey is a member of the Institute of Medicine of the National Academy of Sciences; the President's Council for Fitness, Sports and Nutrition; and several boards of directors. She is the recipient of numerous honors and awards, including commendations for her work from the Harvard School of Public Health, the U.S. Department of Health and Human Services, the American College of Physicians, the National Library of Medicine, the American Medical Women's Association, the National Medical Association, and the University of Pennsylvania.

Tibi, sive medicinam ipsa exerces sive alios doces, o quae rei publicae cum consulis tum bene facis, maxima est in salutem populi Civitatum Foederatarum potestas. Nam societatem Robert Wood Johnson, quae amplissima est earum societatum, quae lucrum non captant et quibus curae tantum sunt salus medicinaque, sic praesides et dirigis ut consiliis tuis reformatus sit modus quo in civitate nostra et puerorum obesorum numerus minuatur et nutricum doctissimarum augeatur, atque quo homines iniquitate rerum in anceps tracti sanentur impensaeque in medicinam factae quasi infrenes compescantur. Tu saepe laudaris non modo ut verborum et rerum capax, sed etiam quod agitans artes humanas cum sociis tuis nequaquam trepidas. Ut declaremus quantum in civitate nostra omnibus corpora et mentes sanare moliaris, te Scientiae Medicae Doctorem salutamus, honoris causa.

EDUARDO J. PADRÓN Doctor of Humane Letters (L.H.D.)



Eduardo J. Padrón, recognized as among the nation's most successful college and university presidents, has led Miami Dade College — the nation's largest institution of higher learning, with 175,000 students — since 1995. During his presidency, Miami Dade College has become a model for a "culture of success" built on student access, retention, graduation, and overall achievement. It enrolls and graduates more minorities than any other institution of higher education in the United States, including the largest numbers of Hispanics and African Americans.

When he was 15 years old, Padrón arrived in the United States with his younger brother as refugees under Operation Peter Pan (*Operación Pedro Pan*), a federal project through which Cuban parents sent more than 14,000 children to the United States for placement with friends, relatives, or in group homes in 35 states. He finished high school in Florida, learning English and working several jobs to support himself and his brother. College was a dream that remained strong, though remote, as rejections arrived in the mail.

He found what he needed — strong faculty and administrative support, fellow students with similar dreams and ambitions, a growing sense of confidence — in a new college then called Dade County Junior College. He continued his studies, earning his bachelor's degree *summa cum laude* from Florida Atlantic University and his Ph.D. in economics from the University of Florida. Teaching and educational administration at Miami Dade College became his life's work.

That work, according to *TIME*, which named Padrón one of the nation's 10 best college presidents, has been to "revolutionize the role of two-year community colleges in the U.S., raising their academic stature while preserving their mission to teach underserved populations." He has added honors programs and four-year degrees, maintaining high academic standards while broadening access for students. "It's about combining open access and excellence," he has said.

His efforts at Miami Dade have been widely recognized and appreciated. Six U.S. presidents have appointed him to various advisory posts, and President Obama has appointed him chair of the White House Commission on Educational Excellence for Hispanic Americans. He is past chair of the American Council on Education (ACE) and the Association of American Colleges and Universities (AACU). Padrón has held leadership positions on the American Academy of Arts and Sciences Humanities Commission and on the boards of the Carnegie Foundation for the Advancement of Teaching, the Hispanic Association of Colleges and Universities (chair), the Kennedy Center for the Performing Arts, Campus Compact, and the Congressional Hispanic Caucus Institute. He is a board member of the Council on Foreign Relations and an Ascend Fellow at the Aspen Institute. He has received more than 15 honorary doctorates and high honors from the governments of foreign nations, including the Commandeur in the Ordre des Palms Académiques (France), the Order of San Martin (Argentina), and the Order of Queen Isabella (Spain, bestowed by King Juan Carlos II).

Civium princeps, magister eruditioni dedite, inter praesides collegiorum auctoritate gravissimus emines. Profugus iuvenis ex insula Cuba ad oras nostras vectus es et opes quas Eruditio suppeditat cernens ideo eas cito et cum omni opera petivisti. Ut vir doctus in rebus oeconomicis, ut professor et deinde ut praeses collegii tu non solum eruditionem omnibus qui eam peterent praebuisti sed etiam ab omnibus discipulis magistrisque excellentiam assidue postulavisti. Te gubernante, Collegium Miami Dadonis constituit et novas rationes docendi ac discendi et subsidia ut omnes discipuli ubique nati studiis excellant. Collegium item urbem Miami redintegrare adiuvit. O egregie princeps, quia praecipue bonum exemplum discipulis te praebuisti, te Doctorem Humanarum Litterarum salutamus, honoris causa.

Candidates for Master of Arts, ad eundem



PROFESSORS Mark Ainsworth Amanda Sara Anderson Douglas C. Anthony Beshara B. Doumani Catherine M. Gordon Matthew Pratt Guterl Paul David Guyer Martin Keszler Wade Myers Nitin Prabhakar Padture Christina H. Paxson Christopher H. Schmid Leigh Cole Swensen Peter van Dommelen Takeo Watanabe

ASSOCIATE PROFESSORS Charles A. Adams, Jr. Michael Kemal Atalay Laura R. Bass Jerrold Lee Boxerman Gaurav Choudhary Michelle Clayton Hongjie Dong Jennifer B. Freeman Jennifer S. Gass Rujun Gong Pedro Luis Gozalo Füsun Gündoğan Brittany Star Hampton Roman A. Hayda Jennifer Ellyn Johnson Seunghyun Kim Erna Milunka Kojic Awewura Kwara Robert Miranda, Jr. Rebecca Nedostup Charles Roswell Rardin Amy L. Salisbury Yuka Sasaki Mark Schleinitz Jason K. Sello Theresa Senn Gregory Michael Soares Laura Stroud Thomas Trikalinos Audrey R. Tyrka Lisa Anne Uebelacker Jonathan Valente Lei Wei Zhijin J. Wu

SENIOR LECTURER Luther W. Spoehr

Officers Emeriti



Piero Biancani Professor Emeritus of Medicine (Research) George Borts George S. and Nancy B. Parker Professor Emeritus of Economics Edward Brown Clinical Associate Professor Emeritus of Psychiatry and Human Behavior Robert Coover T. B. Stowell University Professor Emeritus of Literary Arts Nancy Dunbar Senior Lecturer Emerita in Theatre Arts and Performance Studies John Hermance Professor Emeritus of Geological Sciences Peter Howitt Lyn Crost Professor Emeritus of

Lyn Crost Professor Emeritus of Social Sciences and Professor Emeritus of Economics Chau-Hsing Su Professor Emeritus of Applied Mathematics

Conrad Johanson
Professor Emeritus of Neurosurgery

Charles Kahn *Clinical Professor Emeritus*

of Medicine Martin Keller

Professor Emeritus of Psychiatry and Human Behavior

K. Dian Kriz

Professor Emerita of History of Art and Architecture

Calvin E. Oyer

Clinical Associate Professor Emeritus of Pathology and Laboratory Medicine

Stanley J. Stowers

Professor Emeritus of Religious Studies

Jeff Titon

Professor Emeritus of Music Jan Tullis

Professor Emerita of Geological Sciences

Citations and Awards



RECIPIENTS OF THE
JOUKOWSKY FAMILY
FOUNDATION OUTSTANDING
DISSERTATION AWARD

HUMANITIES Benjamin Raphael Teitelbaum '13 Ph.D.

Ethnomusicology
"Come Hear our Merry Song":
Shifts in the Sound of Contemporary Swedish Radical Nationalism

LIFE SCIENCES
Jennifer Reeve Davis '13 Ph.D.

Molecular Pharmacology
and Physiology
Genetic, Biochemical and
Biophysical Investigations
of Lignocellulose Degradation
by Actinobacteria for Bioenergy
Applications

PHYSICAL SCIENCES
Michael Ming Hong Luk
'13 Ph.D.
Physics
The Search for a Heavy
Top-Like Quark

SOCIAL SCIENCES
Susan Helen Ellison '13 Ph.D.
Anthropology
Mediating Democracy in El
Alto: The Politics of Conflict
Resolution in Bolivia

RECIPIENT OF THE MEDICAL SENIOR CITATION

Paul George, M.D. '05 Assistant Professor of Family Medicine

RECIPIENTS OF THE PRESIDENTIAL AWARD FOR EXCELLENCE IN TEACHING

This award is given to graduate student teaching assistants or teaching fellows who demonstrate exemplary skill and energy in the classroom. The awards were conferred at the University awards ceremony on May 6, 2013.

Anna F. Bialek

Religious Studies

Jason M. Scimeca

Cognitive Science

RECIPIENT OF THE WILSON-DEBLOIS AWARD

Janet Peters

Writing Center Coordinator

RECIPIENT OF THE HORACE MANN MEDAL Karen L. King '84 Ph.D.

Karen L. King '84 Ph.D. Hollis Professor of Divinity, Harvard University

RECIPIENTS OF THE BARRETT HAZELTINE CITATION FOR EXCELLENCE IN TEACHING, GUIDANCE AND SUPPORT

At the president's reception for the class of 2013, held on May 20, 2013, Hazeltine citations were awarded to: Richard D. Bungiro, Jr. Ph.D. '99 Robert O. Self

SENIOR CLASS GIFT

At the President's Reception for the Class of 2013, held on May 20, 2013, the Senior Gift Committee presented President Paxson with their Class Gift.

CLASS OF 2013 SENIOR GIFT COMMITTEE

COMMITTEE CO-CHAIRS Jared Davis Caleigh Forbes David Rattner Valencia Simon

EVENTS COMMITTEE CO-CHAIRS Alexander Kua Stella Ruizhen Liu

MARKETING & PARTICIPATION CO-CHAIRS Francisco Oliveira Jeremiah Oteh

ATHLETICS CO-CHAIRS Kelley Harrison Ryan McDuff

CARRIE TOWER CHAIR Jessica Hornig

GREEK COMMITTEE CO-CHAIRS Victoria Adewale Alyssa Kahn Chanliny Lim Alina Petteruti

INTERNATIONAL COMMITTEE CHAIR Christina Pan

ARTS COMMITTEE CHAIR Thomas Beauford

GREEK CHAPTER REPRESENTATIVES Laurel Mattos Alyssa Self

ATHLETIC TEAM REPRESENTATIVES Nicole Abdo JD Ardell Matthew Barnes Bobby Belair Katharine Booher Richard Crowley Meghan Earley Allison Dungey Erica Farrer Kathryn Glickman Tessa Gobbo Mike Hill Chris Holter Jeffrey Izon Sidney Jacobs Katie Jamieson Misia Krasowski Zach Kulczycki

Antonia Libassi Zachary Long Eliza Marshall Vanessa Munoz Avery Nackman Lindsay Nickel Chris Parker Adam Pelzer Dean Serure Logan Shanney Ellie Sharpe John Sheridan George Sherman **Bree Shugarts** Avery Silverstein Ian Slater Catherine Stewart Matthew Sullivan Kenneth Thompson

GENERAL COMMITTEE
MEMBERS
Bryant Estrada
Evangeline McDonald
Peter Simon
Brandon Tomasso
Le Tran
Kelsey Tripp
Anthony White

Fellowships, Scholarships, and Grants Awarded to Graduating Seniors



Clayton Page Aldern Rhodes Scholarship Nicholas Scheidle Bartos Harvey A. Baker Fellowship Raillan N. Brooks Mellon Mays Undergraduate Fellowship Blair James Cameron Projects for Peace Maia Carroll Chao Fulbright Student Fellowship Maggie Chung Harvey A. Baker Fellowship Sarah Lynn Forman Craig Cambridge Fellowship Priya S. Gaur Arthur Liman Public Interest Summer Fellowship Michael E. Goldberg Fulbright Student Fellowship Katherine Sonja Hadley Arthur Liman Public Interest Summer Fellowship Udall Scholarship Andrew Ikhyun Kim Harvey A. Baker Fellowship Meghana Ravi Koushik Fulbright Student Fellowship

Molly Kim Lao Arthur Liman Public Interest Summer Fellowship Andrew Y. Lee The Beinecke Scholarship Daniel Levine-Spound Fulbright Student Fellowship Hilary Rybeck Lynd Anne Crosby Emery Fellowship Lucas David Mason-Brown George J. Mitchell Scholarship Elizabeth Au Matthews Fulbright Student Fellowship Ana-Irma Patete Mellon Mays Undergraduate Fellowship Rebecca Kilbourn Rast Udall Scholarship Natalie Yanzi Ring Harvey A. Baker Fellowship Marielle Elizabeth Sanchez Arthur Liman Public Interest Summer Fellowship Daniel Eliot Storch Sherrell Udall Scholarship Sanchita Singal Anne Crosby Emery Fellowship Guy Mandelstam Tabachnick Fulbright Student Fellowship Le H. Tran Mellon Mays Undergraduate Fellowship Kyle Daniel Wynter-Stoner Mellon Mays Undergraduate Fellowship

Special Recognition for Advanced Degree Candidates



Freida Aviva Abtan '13 Ph.D. Computer Music and Multimedia Social Sciences and Humanities Research Council of Canada Doctoral Fellowship, Fonds de Recherche du Québec - Société et Culture Doctoral Research Scholarship William Paul Accomando Jr. '13 Ph.D. Pathobiology Rhonda K. Simper Ronan Graduate Award in Cancer Research (a University departmental award) Jin Suk Bae '13 Ph.D. American Studies Fulbright Fellowship Joseph William Bahlman '13 Ecology and Evolutionary Biology

NSF Graduate Research

Fellowship

Florencia Borrescio Higa '13 Ph.D. Economics Chancellor Stephen Robert Fellowship (Brown University) Erica Loretta Brown '13 M.P.P. Public Policy A. Alfred E. Taubman Scholar (a University departmental Michael C. Bruce '13 Ph.D. French Studies Cogut Center for the Humanities Graduate Fellowship (Brown University) Rayna Michelle Carter '13 Ph.D. Neuroscience NIH Pre-doctoral Intramural Research and Training Award Orly Clerge '13 Ph.D. Sociology NSF Graduate Research Fellowship Alicia Lee Cooper '13 Ph.D. Health Services Research Alvin R. Tarlov & John E. Ware Jr. Doctoral Dissertation Award in Patient Reported Outcomes Leroy Leon Cooper '13 Ph.D. Molecular Pharmacology and Physiology Ruth L. Kirschstein NRSA Individual Predoctoral Fellowship, American Psychological Society Porter Physiology Development Fellowship Alissa Annie Cordner '13 Ph.D. Sociology EPA STAR Graduate Fellowship Jennifer Noel Costanza '13 Ph.D. Fulbright-Hays Fellowship, NSF Doctoral Dissertation Improvement Grant Diana J. Davis '13 Ph.D. Mathematics Mathematics Department Outstanding Teaching Award (a University departmental award), Science Magazine Dance Your Ph.D. Prize (math and physics category), GAANN Fellowship Jennifer Reeve Davis '13 Ph.D. Molecular Pharmacology and Physiology NSF Graduate Research Fellowship Polina Krylova Decker '13 Ph.D. Hispanic Studies Aron David and Ruth Kossoff Prize for Leadership in Language Teaching (a University

departmental award)

Anthropology

Christy Ann DeLair '13 Ph.D.

Fulbright Fellowship, Chiang

Ching-Kuo Doctoral Fellowship

James Alan Doyle '13 Ph.D. Anthropology Dumbarton Oaks Research Library and Collections Junior Fellowship (Pre-Columbian Studies), NSF Doctoral Dissertation Research Improvement Grant, Wenner-Gren Foundation Dissertation Fieldwork Grant Angelica Duran Martinez '13 Ph.D. Political Science Cogut Center for the Humanities Graduate Fellowship (Brown University), Social Science Research Council: International Dissertation Research Fellowship; Drugs Security and Democracy Fellowship, United States Institute of Peace Jennings Randolph Peace Scholar, Tinker Foundation Field Research Grant Nașide Gözde Durmuș '13 Ph.D. Biomedical Engineering Fulbright Fellowship, CIMIT Student Technology Prize for Primary Healthcare Finalist, Society for Biomaterials STAR Award, Slater Technology Fund Entrepreneurial Fellowship, NSF Fellowship to 9th International Summer School on Biocomplexity from Gene to System Caroline Claire Duwaerts '13 Ph.D. Pathobiology Sigma Delta Epsilon/Graduate Women in Science Fellowship Susan Helen Ellison '13 Ph.D. Anthropology Jacob K. Javits Fellowship Yi Fan '13 Sc.M. Engineering NSF Graduate Research Fellowship Alex Geringer-Sameth '13 Ph.D. **Physics** Galkin Foundation Fellowship Sonja Glaab-Seuken '13 Ph.D. History **ERP** Fellowship Khristina F. Gonzalez '13 Ph.D. English Brown/Wheaton Faculty Fellowship, Mellon Mays Dissertation Grant Simina Ruxandra Grigoriu '13 Ph.D. Molecular Biology, Cell Biology, and Biochemistry NIH Predoctoral Training Grant in Molecular and Cell Biology and Biochemistry

Tai-Sen He '13 Ph.D. Economics The Reginald D. Archambault Award for Teaching Excellence (a University departmental award) Don N. Ho '13 Ph.D. Chemistry GAANN Fellowship David Michael Hollibaugh Baker '13 Ph.D. Geological Sciences Nininger Meteorite Award Thomas Andrew Hulse '13 Ph.D. Mathematics Mathematics Department Outstanding Teaching Award (a University departmental award) Noelle Ariane Hutchins '13 Ph.D., Sc.M. Pathobiology NIH Ruth L. Kirschstein National Research Service Award, Charles Janeway Memorial Award for Outstanding Presentation at New England Immunology Conference, American Association of Immunologists Trainee Abstract Award, Shock Society New Investigator Award, Society of Leukocyte Biology Travel Award Paul Michael Huwe '13 Ph.D. **Physics** NASA Fellowship, NSF Graduate Teaching Fellows in K-12 Education Michael Anthony Jandron '13 Sc.M. Engineering Naval Undersea Warfare Center Student Fellowship Jessica Johnson '13 Ph.D. American Studies Brown/Wheaton Faculty Fellowship, Joukowsky Presidential Fellowship (Brown University), Society for Historians of American Foreign Relations Myrna F. Bernath Fellowship, Woodrow Wilson National Fellowship Foundation Andrew W. Mellon Fellowship in Humanistic Studies Karen M. Jorge '13 A.M. Anthropology NSF Graduate Research Fellowship Hye-Young Jung '13 Ph.D. Health Services Research Agency for Healthcare Research and Quality Health Services Research Dissertation Award

Sohini Kar'ı 3 Ph.D. Anthropology NSF Graduate Research Fellowship, Social Science Research Council International Dissertation Research Fellowship, Social Science Research Council Dissertation Proposal Development Fellowship, Wenner-Gren Foundation Dissertation Fieldwork Grant, Cogut Center for the Humanities Graduate Fellowship (Brown University), Marie J. Langlois Dissertation Prize (a University departmental award) Krystle Veda Kaul '13 A.M. Political Science Brown-India Initiative Research Grant (Brown University Peter Mark Kendall '13 M.F.A. Theatre Arts: Acting Thomas J. Tisch Fellowship (Brown University) Alice Klima '13 Ph.D. History of Art and Architecture Fulbright Fellowship Deborah YongHyun Kwon '13 Ph.D. Neuroscience Sigma Xi Jungmin Kwon '13 A.M. American Studies Fulbright Fellowship Roto Le '13 Ph.D. Engineering Vietnam Education Foundation Fellowship, Design Automation Conference Young Student Support Grant, IEEE Computer-Aided Network Design Student Support Grant Mark D. M. Leiserson '13 Sc.M. Computer Science NSF Graduate Research Fellowship William Michael Longo '13 Sc.M. Geological Sciences Geological Society of America Graduate Student Research Grant Daniel Scott Loss '13 Ph.D. History Brown/Wheaton Faculty Fellowship, Trans-Atlantic Summer Institute in European Studies Fellowship, Religious Research Association Constant H. Jacquet Research Award, North American Conference on British Studies Stern Grant, Society for the Scientific Study of Religion Student Research Award

Cindy Ka Yan Lung '13 A.M.

Urban Education Policy

Fulbright Fellowship

Andrea Luyken '13 A.M.

Fulbright Fellowship

American Studies

Mercedes Carrillo Lyson '13 Ph.D. Sociology NSF Graduate Research Fellowship Aniruddha Maitra '13 Ph.D. Modern Culture and Media Brown/Wheaton Faculty Fellowship, Cogut Center for the Humanities Graduate Fellowship (Brown University), Five College Pre-doctoral Fellowship Amy Bliss Marshall '13 Ph.D. History Fulbright Fellowship, Fulbright-Hays Fellowship Jacqueline Elizabeth McCleary '13 Sc.M. Physics NASA Fellowship Sam Irving McNeal Jr. '13 Ph.D. Pathobiology Shock Society New Investigator Award, Keystone Symposia Global Health Travel Award, St. Jude Children's Research Hospital 11th Annual National Graduate Student Symposium Ryan Mark Miller '13 Sc.M. Psychology NSF Graduate Research Fellowship Kenneth Benjamin Morabito '13 Ph.D. Biomedical Engineering NASA Fellowship, Corinna Borden Keen Research Fellowship Peter Campbell Nagler '13 Sc.M. Physics NASA Fellowship, Institute of Electrical and Electronics Engineers Council on Superconductivity Graduate Fellowship Robert Matthew Ogburn '13 Ecology and Evolutionary Biology Society of Systematic Biologists Ernst Mayr Award, Botanical Society of America Vernon I. Cheadle Student Travel Award, Botanical Society of America Li-Cor Prize Sutee Olarnrithinun '13 Ph.D. Engineering NSF Graduate Research Fellowship María Pizarro Prada '13 Ph.D. Hispanic Studies David and Ruth Kossoff Prize for Leadership in Language Teaching (a University departmental award) Chloe Nerissa Poston '13 Ph.D. Chemistry NSF Graduate Teaching Fellows

in K-12 Education

Stephanie Nicole Quintana '13 Sc.M. Geological Sciences NASA Fellowship, NSF Graduate Research Fellowship Jacob Charles Richman '13 Ph.D. Computer Music and Multimedia Cogut Center for the Humanities Graduate Fellowship (Brown University) Leila Elizabeth Rieder '13 Ph.D. Molecular Biology, Cell Biology, and Biochemistry NSF Graduate Research Fellowship Shelby Hayhoe Riskin '13 Ph.D. Ecology and Evolutionary Biology Marine Biological Laboratory Stanley Watson Fellowship Anna Macklin Ritz '13 Ph.D. Computer Science NSF Graduate Research Fellowship Gregory James Rizza '13 Ph.D. Engineering NSF Graduate Teaching Fellows in K-12 Education, Tau Beta Pi, Sigma Xi Maria Elyse Salciccioli '13 A.M. Urban Education Policy Ruth J. Simmons Urban Education Policy Scholarship Kateryna Samoilova '13 Ph.D. Philosophy Joukowsky Presidential Fellowship (Brown University) Sarah Jane Seidman '13 Ph.D. American Studies Mellon/American Council of Learned Societies Dissertation Completion Fellowship Susan Little Solomon '13 Ph.D. Comparative Literature Albert Spaulding Cook Prize in Comparative Literature (a University departmental award) Pamela Aletha Storlazzi '13 Sc.M. Biomedical Engineering GAANN Grant Megan Bruck Syal '13 Sc.M. Engineering NASA Fellowship Susanna M. Theroux '13 Ph.D. Geological Sciences American Association of University Women American Fellowship Ashley Toliver '13 M.F.A. Literary Arts Academy of American Poets Prize Heidi Katherine Wendt '13 Ph.D. Religious Studies Rome Prize in Ancient Studies Yang Yang '13 Ph.D. Applied Mathematics Dunmu Ji award (a University departmental award)

Faculty Recognition



AWARDS FOR EXCELLENCE IN SCHOLARSHIP

C.D. Wright

The Israel J. Kapstein Professor of English, Professor of Literary Arts

Presidential Faculty Award, Fall 2013

Charles Larmore

The W. Duncan MacMillan Family Professor in the Humanities, Professor of Philosophy Presidential Faculty Award, Spring 2014

AWARDS FOR EXCELLENCE IN TEACHING

Susan Bernstein

Professor of Comparative Literature and German Studies John Rowe Workman Award for Excellence in Teaching in the Humanities, 2013-15

Willoughby Britton

Assistant Professor of Psychiatry and Human Behavior The Karen T. Romer Advising Award for Undergraduate Advising and Mentoring

Kate Carey

Professor of Behavioral and Social Sciences Dean's Award for Excellence in Classroom Teaching in Public

Health

Suzanne Colby

Associate Professor of Psychiatry

& Human Behavior (Research)

and Associate Director of the

Center for Alcohol and

Addiction Studies

Dean's Award for Excellence in

Mentoring in Public Health

Jonathan Conant

Assistant Professor of History Henry Merritt Wriston Fellowship

Fiery Cushman

Assistant Professor of Cognitive, Linguistic, and Psychological Sciences Henry Merritt Wriston Fellowship Brian Hayden

Adjunct Professor of Cognitive, Linguistic, and Psychological Sciences Elizabeth LeDuc Award for Excellence in Teaching in the Life Sciences, 2013-15

Diane Lipscombe

Professor of Neuroscience
Dean's Award for Excellence in
Graduate and Postdoctoral
Teaching and Mentoring in the
Biological Sciences

Barbara Meier

Senior Lecturer in Computer Science Philip J. Bray Award for Excellence in Teaching in the Physical Sciences, 2013-15

Domenico Pacifici

Assistant Professor of Engineering Henry Merritt Wriston Fellowship

David Rand

Professor of Biology
Dean's Award for Excellence in
Undergraduate Teaching,
Advising and Mentoring in the
Biological Sciences

Ellen Rooney

Professor of Modern Culture and Media and Professor of English Graduate School Faculty Award for Advising and Mentoring

Vanessa Ryan

Assistant Professor of English Henry Merritt Wriston Fellowship

Robert O. Self

Associate Professor of History
The Harriet W. Sheridan Award
for Distinguished Contribution
to Teaching and Learning

Patricia Sobral

Senior Lecturer in Portuguese & Brazilian Studies The Harriet W. Sheridan Award for Distinguished Contribution

to Teaching and Learning

Kurt Teichert

Environmental Stewardship Initiatives Manager and Lecturer in Environmental Sciences William G. McLoughlin Award for Excellence in Teaching in the Social Sciences, 2013-15

James M. Valles, Jr.

Professor of Physics The Harriet W. Sheridan Award for Distinguished Contribution to Teaching and Learning

Jack Wright

Associate Professor of
Cognitive, Linguistic,
and Psychological Sciences
The Karen T. Romer Advising
Award for Undergraduate
Advising and Mentoring

FACULTY NEWLY APPOINTED TO ENDOWED AND NAMED PROFESSORSHIPS, JULY 1, 2012

ASSISTANT PROFESSORS

Gilad Barnea

Robert and Nancy Carney Assistant Professor of Neuroscience

Wesley Bernskoetter

Manning Assistant Professor of Chemistry

Johanna Hanink

Robert Gale Noyes Assistant Professor of Humanities

Thangam Ravindranathan Manning Assistant Professor of French Studies

PROFESSORS

Amanda Anderson

Andrew W. Mellon Professor of Humanities and English

Allan Bower

Royce Family Professor of Teaching Excellence and Professor of Engineering

Laurent Brossay

Charles A. and Helen B. Stuart Associate Professor of Medical Science

Beshara Doumani

Joukowsky Family Professor of Modern Middle East History

Philip Gould

Nicholas Brown Professor of Oratory and Belles Lettres

Paul Guyer

Jonathan Nelson Professor of Philosophy

Timothy Herbert

Henry L. Doherty Professor of Oceanography

Kevin McLaughlin

George Hazard Crooker Professor of English and Comparative Literature

Peter van Dommelen

Joukowsky Family Professor of Archaeology and Anthropology David Weil

James and Merryl Tisch
Professor of Economics

SELECTED FACULTY HONORS, 2012-13

Jeffrey Borkan,

Professor of Family Medicine
ACE (American Council on
Education) Fellowship
sponsored by the F. Marian
Bishop Charitable Trust Bishop
Fellowship Program 2013-14

Elizabeth Brown,

Clinical Assistant Instructor in Family Medicine Robert Wood Johnson Clinical Scholars Program, 2013-15

David E. Cane

Professor of Chemistry
American Chemical Society:
2013 Alfred Badar Award in
Bioinorganic Chemistry
Fellow, American Academy
of Arts and Science

Andrew Foster

Professor of Economics
President, Bureau for Research
and Economic Analysis of
Development (BREAD)

Susan Ashbrook Harvey

Professor of Religious Studies
Theologiae Doctor (Doctor of
Theology), Honoris Causa,
Lund University, Sweden

Maurice Herlihy

Professor of Computer Science Member, National Academy of Engineering

Eric Renault

Professor of Economics
President of the Society
for Financial Econometrics,
June 2013

Roberto Tamassia

Professor of Computer Science
Fellow, American Association
for the Advancement of Science
Fellow, Association for
Computing Machinery

Hedy Wald

Clinical Associate Professor of Family Medicine Fulbright Foundation Specialist Grant in Medical Education: Ben Gurion University of the Negev, Israel

Commencement Procession Aides and Marshals



CHIEF MARSHALGail Caslowitz Levine '63

CHIEF OF STAFF
Maria Cristina C. Sales '90

ASSISTANT CHIEF OF STAFF Anthony S. W. Cheng '95

FLAG BEARERS

Kwame A. McCain '15 Ethan D. McCoy '14 Yotam Tubul '14

COLOR GUARDS

Brandon Delmore Tomasso '13 Kelsey Anna Tripp '13

AIDES TO THE CHIEF MARSHAL

Jennifer Ketay Brock '63 William R. Caroselli '63 R. Glenn Cashion '63 M. Janice Fernald Huang '63 Daniel M. Cain '68 Shelley N. Fidler '68 Scott Blake Harris '73 Habib Y. Gorgi '78 Karen Berlin Ishii '78 Charles J. Ditkoff '83 Gwenn Masterman Snider '83 Heather Liddell Lauten '88 Matthew I. Shapiro '88

Division of the Faculty

MARSHALS FOR THE FACULTY Joan MacLeod Heminway '83 Jacqui Hogans '03

OFFICERS OF THE FACULTY AND FACULTY EXECUTIVE

Professor Mary Louise Gill
Chair of the Faculty
Professor Peter Shank
Past Chair of the Faculty
Professor Ruth Iris Bahar
Vice-Chair of the Faculty
Professor Peter D. Richardson
Parliamentarian
Professor Stephen Merriam Foley
Secretary of the Faculty
Professor Dietrich Neumann
Chair of the Faculty Forum
Ms. Lynne DeBenedette
Secretary of the Faculty Forum

Division of Alumni

AIDES IN CHARGE George H. Billings '72 Nancy Chick Hyde '80

MARSHALS FOR THE ALUMNI CLASSES

Barbara Oberhard Epstein '48 Gloria Markoff Winston '48 John M. Andrews '53 Norman A. James '53 Janice Swanson Post '53 Barbara Kemalian Stone '53 Terry Franc III '58 Paul H. Johnson '58 James R. Moody '58 Sc.M.'65 Cynthia Hirst Scobie '58 Marion McFarland Taylor '58 George M. Bryant '63 Elaine Piller Congress '63 Brooke Kruger Lipsitt '63 Jane E. Sisk '63 Robert C. Bernius '68 Jesse B. Jupiter '68 Fredi L. Pearlmutter '68 Janet McClendon Vaskas '68 Rosetta Hillary '73 William A. Kaye '73 M.D.'76 Jeffrey C. Schreck '73 Adrienne Muller Camesas '78 Michael J. Hay '78 Ronald R. Kass '78 Tracey Zarember Scheer '78 John W. Hare '83 Henrik Jones '83 Marjory Schwartz Levey '83 Carmen M. Garcia Rodriguez '83 Vinny Egizi '88 Perry C. Hoffmeister '88 Santiago Roca '88 Kimihiro Sato '88 Holly R. Hagens '93 Faith C. Klepper '93 Seneca S. Mudd '93 Joshua D. Rand '93 Russell Malbrough '98 Valerie A. Phillips '98 David B. Tom '98 Heather P. Tow-Yick '98 Cristina Parra Herrera '03 James N. Katz '03 Tarek M. Khanachet '03 Matthew R. Kittay '03 Dania Matos '03 Deepa Galaiya '08 Nilay K. Patel '08 M.D.'12

MARSHALS FOR RESUMED UNDERGRADUATE EDUCATION Lydia L. English '9 c

Isabel A. Solmonson '08

Zachary Townsend '08

Lydia L. English '85 Lt. Col. Mathies J. Santos '77

CARRYING THE BANNER FOR PEMBROKE Susan E. Box '86

Mary-Jo Haronian '86

Division of the Graduating Class

MARSHAL IN CHARGE

David Targan '78

Associate Dean of the College
for Science Education

ASSISTANT MARSHAL IN CHARGE

Richard Bova Senior Associate Dean, Residential Life/Dining Services

MARSHALS FOR

THE SENIOR CLASS

Mary Grace Almandrez
Director of the Third World
Center & Assistant Dean of
the College
Natalie Basil

Associate Director, Residential Life

James Campbell

Associate Dean for Student Life

Gail Cohee Director of the Sarah Doyle Women's Center

Linda Dunleavy
Associate Dean of the College for
Fellowships

Ricky Gresh Senior Director for Student Engagement, Office of Campus Life & Student Services

Kerrissa Heffernan

Director of Faculty Engagement and Royce Fellowships, Swearer Center for Public Service

Richard Hilton

Associate Director for Administrative Services,

Residential Life

Panetha Theodosia Nychis Ott Director of Admission, International Recruitment

Besenia Rodriguez '00 Associate Dean of the College for Research & Upperclass Studies

Katherine Ann Tameo Director of Finance and Administration, Office of Campus Life & Student Services

Kate Tompkins

Assistant Director for Summer & Special Programs, Residential Life

George Vassilev

Director of Pre-Professional Advising & Assistant Dean of the College

Jonah Allen Ward Senior Associate Dean for Student Life

SENIOR CLASS MARSHALS

Cory Holmes Abbe '13 Jonathan D. Bateman '13 Christopher J. Catoya '13 Sarah L. Forman '13 Emily J. Gonzalez '13 Gabriela Gonzalez '13 Sharina Gordon '13 Stella Ruizhen Liu '13 Cally Lee Musland '13 Ibeabuchi Jeremiah Oteh '13 Cody N. Shulman '13

Presidential Party

MACE BEARER

Professor Kenneth Breuer '82

AIDES IN CHARGE

John C. Atwater '83 Brickson E. Diamond '93

PRESIDENT

Christina H. Paxson

CHANCELLOR

Thomas J. Tisch '76

VICE CHANCELLOR

Jerome C. Vascellaro '74

CHAPLAIN

The Reverend Janet Cooper Nelson

Division of Corporation and Invited Guests

MARSHAL IN CHARGE FOR HONORARY DEGREE CANDIDATES

Joseph M. Pucci
Associate Professor of Classics
and Comparative Literature

ASSISTANT MARSHAL IN CHARGE FOR HONORARY DEGREE CANDIDATES

Andries Van Dam

Professor of Computer Science

MARSHALS FOR THE CORPORATION

Preston C. Tisdale '73 Daryl Twitchell '93

At the First Baptist Church in America

AIDE IN CHARGE Richard Marshall '71

AIDES

Jillian Barsalou Myrna Bizer Elizabeth Breidinger '03 Sharon Lloyd Clark David Keeffe Jennifer Paul-Rappaport '05 Manjusri Ratnayaka '03 Shelley Roth Rachel Spaulding '00

Graduate School

CHIEF MARSHAL

Clyde L. Briant

Vice President for Research, Otis E. Randall University Professor

FACULTY MARSHALS FOR THE GRADUATE SCHOOL

Stephen Berenson

Director of Graduate Study, Brown/Trinity Repertory Acting and Directing programs, Clinical Professor of Theatre, Speech and Dance

Daniel Bisaccio

Director of Science Education, Master of Arts in Teaching program

Angus Kingon

Professor of Engineering, Barrett Hazeltine University Professor of Entrepreneurship and Organizational Studies, Co-director of Program in Innovation Management and Entrepreneurship Engineering

Patrick M. Vivier

Associate Professor of Health Services, Policy and Practice, Associate Professor of Pediatrics

HOODERS

Elizabeth O. Harrington
Associate Dean for Graduate and
Postdoctoral Studies, Division of
Biology and Medicine, Associate
Professor of Medicine (Research)

Jabbar R. Bennett

Associate Dean of the Graduate School, Associate Dean, Division of Biology and Medicine, Clinical Assistant Professor of Medicine

Medical School

CHIEF MARSHAL

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On the Green

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Event Manager
Office of University Event &
Conference Services

MUSIC FOR THE PROCESSION

Brown University Commencement Band – Matthew McGarrell, Director

The Rhode Island Highlanders Pipe Band – Deborah Kane, Pipe Major

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> The banners on hanging from the Stephen Robert '62 Campus Center at Faunce House and the Salomon Center for Teaching and the coat of arms on the stage are gifts from Mary Aguiar Vascellaro '74 and Jerome Vascellaro '74.

Locations for Diploma Ceremonies



- Africana Studies Churchill House, George Houston Bass Theatre 155 Angell Street
- American Studies Tent, Norwood House, Sharpe Park 82 Waterman Street
- Anthropology Tent, Giddings House, Garden 128 Hope Street
- **Applied Mathematics** Barus & Holley, Room 168 170-180 Hope Street
- Archaeology and the **Ancient World** Rhode Island Hall, Rooms 108 & 109 Campus Green
- **Biology** в-9 Pizzitola Memorial Sports Center, Gymnasium 235 Hope Street
- Business, Entrepreneurship & Organizations Tent, Pembroke Field **Brook and Cushing Streets**
- Chemistry MacMillan Hall, Starr Auditorium (Room 117) Thayer and George Streets
- Classics Manning Hall, Chapel Campus Green
- Cognitive, Linguistic & **Psychological Sciences** Meehan Auditorium 235 Hope Street
- Comparative Literature Alumnae Hall, Auditorium Pembroke Campus
- **Computer Science** First Unitarian Church 1 Benevolent Street
- **Development Studies** Brown Hillel, Social Hall 80 Brown Street

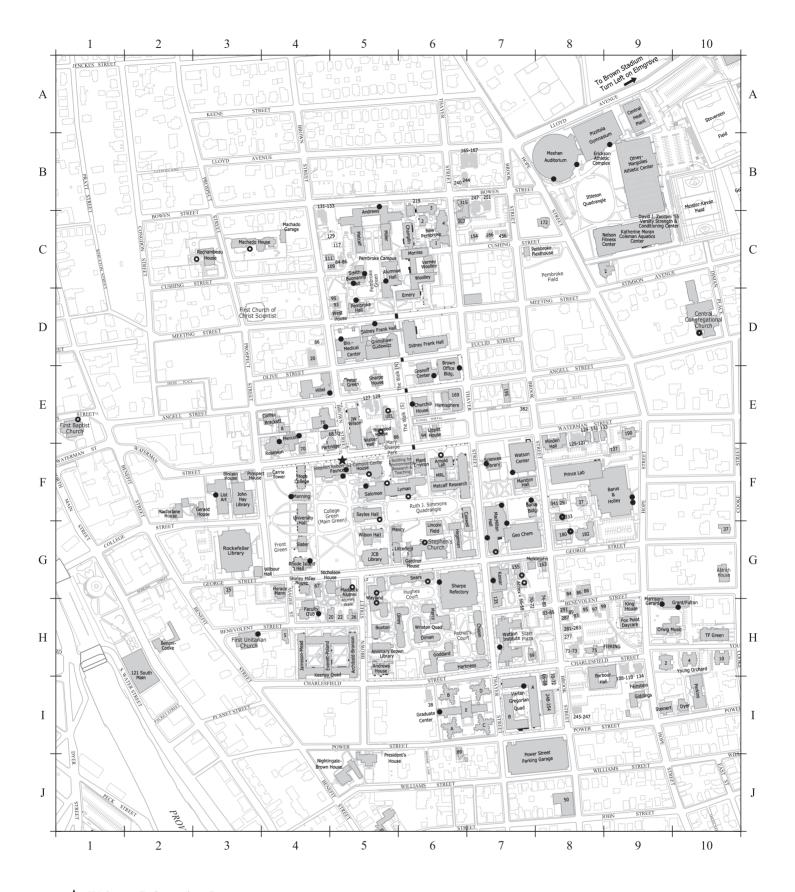
- East Asian Studies Smith-Buonanno Hall, Room 106 Pembroke Campus
- **Economics** Olney-Margolies Athletic Center 235 Hope Street
- Education St. Stephen's Church 114 George Street
- Egyptology & Ancient Western Asian Studies Rhode Island Hall, Rooms 108 & 109 Campus Green
- Engineering First Baptist Church in America 75 North Main Street
 - English (See Literatures and Cultures in English)
- Environmental Science / **Environmental Studies** Stephen Robert '62 Campus Center, Multipurpose Room 75 Waterman Street
- G-10 Ethnic Studies Tent, Aldrich House, Garden 110 Benevolent Street
- French Studies Tent, Rochambeau House, Garden 84 Prospect Street
- Gender and Sexuality Pembroke Hall, Room 202 172 Meeting Street
- **Geological Sciences** Tent, MacMillan Hall, Side Lawn Thayer and George Streets
- German Studies South Lawn 190 Hope Street
- Hispanic Studies Tent, Rochambeau House, Garden 84 Prospect Street
- D-10 History Central Congregational Church 296 Angell Street

History of Art and Architecture

Tent, Pembroke Green

- **Independent Concentration** Brown Hillel, Winnick Chapel 80 Brown Street
- International Relations Tent, Ruth J. Simmons Quadrangle
- **Italian Studies** South Lawn 190 Hope Street
- **Judaic Studies** Salomon Center for Teaching, Room oo1 Campus Green
- Literary Arts Tent, Front Green (in front of RI Hall)
- Literatures and Cultures in English Sayles Hall, Main Auditorium Campus Green
- Mathematics Pembroke Hall, Room 305 172 Meeting Street
- D-10 Medieval Studies Central Congregational Church 296 Angell Street
- Middle East Studies Brown Hillel, Social Hall 80 Brown Street
- Modern Culture and Media Granoff Center for the Creative Arts, Martinos Auditorium 154 Angell Street
- н-10 Music Grant Recital Hall Hope Street and Young Orchard Avenue
- Neuroscience C-5 Andrews Dining Hall Pembroke Campus
- Philosophy List Art Center, Room 120 64 College Street

- **Physics** Salomon Center for Teaching, DeCiccio Family Auditorium Campus Green
- Political Science Tent, South Walkway Between Angell & Waterman Streets
- Portuguese and Brazilian Studies Tent, Meiklejohn House, Garden 159 George Street
- Public Health Program Tent, Wriston Quad
- **Public Policy and American** Institutions Tent, Front Green (in front of Manning Chapel)
- **Religious Studies** Salomon Center for Teaching, Room oo1 Campus Green
- Science and Society Brown Hillel, Winnick Chapel 80 Brown Street
- Slavic Languages Marston Hall, 20 Manning Walkway
- Sociology Tent, Maxcy Hall, Garden 112 George Street
- Theatre Arts and Performance Studies Catherine Bryan Dill Center for the Performing Arts, Stuart Theatre 77 Waterman Street
- **Urban Studies** Faculty Club, Huttner Room One Magee Street
 - Visual Art Tent, North Walkway Between Angell and Olive Streets



- ★ Welcome/Information Center
- Main Functions and Restrooms are Accessible
- O Partial Accessibility



For further information or assistance, please contact the Department of Public Safety at 863-3322 or visit the Welcome/Information Center located inside the Stephen Robert '62 Campus Center at Faunce House (access via the Faunce Arch).