

UNIVERSITY OF CALIFORNIA, LOS ANGELES



2015
Conferral of
Doctoral Degrees

JUNE 11, 2015
ROYCE HALL, UCLA

A live webcast and video recording of today's ceremony is/will be available
at: www.grad.ucla.edu/hoodingwebcast
[#uclahooding](#) [#UCLA2015](#)
Follow us at twitter.com/uclagradschool

MESSAGE FROM THE CHANCELLOR



Dear UCLA Graduate –

I am so pleased to join your family and friends in congratulating you. Earning a doctoral degree at UCLA is an extraordinary achievement, reflecting your uncommon ability, vision and determination. Today's Commencement marks a major milestone in your life.

Now you join generations of distinguished alumni around the world who are leaders in their communities and innovators in nearly every field. You too are part of the great Bruin legacy. I know you will do your part to further our tradition of excellence in every pursuit and generosity in service to others, all with the spirit of optimism

that defines this great university. You are prepared to achieve greatness, and we look forward to what your future holds.

I am deeply grateful for all the ways in which you have enriched our campus and furthered our mission of education, research and service to California and the world. I continue to be inspired by our students and alumni, gaining invaluable insights from their perspectives.

Your relationship with UCLA, particularly through the resources we provide our alumni, is lifelong. We hope you always remain engaged with our campus and remember that you are one of UCLA's very best advocates and ambassadors.

I hope you will truly celebrate today with your family and friends and create memories to hold dear for the rest of your life. There will never be another day quite like this one. I am delighted to share this occasion with you and I wish you a lifetime of success and happiness.

Sincerely,

A handwritten signature in black ink that reads "Gene D. Block". The signature is written in a cursive, flowing style with a prominent initial "G".

Gene D. Block
Chancellor

MESSAGE FROM THE VICE PROVOST FOR GRADUATE EDUCATION AND DEAN, GRADUATE DIVISION

Dear Graduate –

Welcome to today's doctoral hooding ceremony, which marks the 77th anniversary of the first Ph.D. awarded at UCLA. The entire UCLA community celebrates your accomplishments and applauds the effort, perseverance, talent, and commitment that have enabled you to reach this extraordinary milestone, earning the title "Doctor."

Each of you has developed exceptional mastery of your academic field. Through your scholarship, research and creative endeavors, you have made unique contributions to the body of human knowledge, pushing back the frontiers.

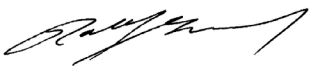
You are accomplished artists and entrepreneurs, engineers and scientists, humanists and teachers. Each of you is poised to lead, to inspire, to change the world.

On behalf of every faculty member who has come to know you through courses, seminars, and research, I can say that it has been a joy to mentor you and see you develop as a scholar. We appreciate the sacrifices you have made and thank those who have supported you along the way. We can't wait to see what you do next.

Congratulations to all of our 2015 doctoral degree recipients!

With very best wishes for a fulfilling life of the mind, spirit and heart.

Robin L. Garrell



Vice Provost for Graduate Education
Dean, Graduate Division



PROCESSIONAL ORDER

Executive Vice Chancellor and Provost

UCLA Medal Recipient

Vice Provost, Graduate Education and Dean, Graduate Division

Vice Provosts

Deans

Academic Vice Chancellors

Regents of the University

Vice Chancellors

Faculty Processional Marshals

Faculty

Candidate Processional Marshals

Candidates for the Degrees of:

Doctor of Philosophy

Doctor of Education

Doctor of Environmental Science and Engineering

Doctor of Musical Arts

Doctor of Public Health

ORDER OF PROCEEDINGS

Guests are requested to remain seated during the academic procession and recessional.

PROCESSIONAL

Christoph Bull, *University Organist*

WELCOME

Courtney Dion Jones, *Musical Arts
Candidate Processional Marshal*

Crystal Edie Valdez, *Chemistry & Biochemistry
Candidate Processional Marshal*

CALL TO ORDER

Scott L. Waugh
Executive Vice Chancellor and Provost

GREETINGS AND INTRODUCTIONS

Robin L. Garrell
Vice Provost for Graduate Education and Dean, Graduate Division

CONFERRAL OF THE UCLA MEDAL

Scott L. Waugh

UCLA MEDAL RECIPIENT REMARKS

Shirley Malcom, *Director, Education and Human Resources Programs
American Association for the Advancement of Science*

KEYNOTE

Robin L. Garrell

CONFERRAL OF DEGREES

Scott L. Waugh

PRESENTATION AND HOODING OF THE CANDIDATES

Faculty Readers & Hooding Marshals

SALUTE TO THE GRADUATES

Scott L. Waugh

CLOSING REMARKS & RECESSIONAL

Robin L. Garrell

DISTINGUISHED GUEST

Shirley Malcom, *Director, Education and Human Resources Programs*
American Association for the Advancement of Science

FACULTY MARSHALS

PROCESSIONAL MARSHALS

Alex Bui, *Chair, Graduate Council*
Linda Sarna, *Dean, School of Nursing*

HOODING MARSHALS

Alex Bui, *Chair, Graduate Council*
C. Cindy Fan, *Interim Vice Provost, International Studies*
Carlos Grijalva, *Associate Dean, Graduate Division*
Joseph A. Rudnick, *Dean, Physical Sciences*
Victoria Sork, *Dean, Life Sciences*
Joseph B. Watson, *Associate Dean, Graduate Division*

READERS

Alessandro Duranti, *Dean, Social Sciences*
Carole Goldberg, *Vice Chancellor, Academic Personnel*
David Schaberg, *Dean, Humanities*

CANDIDATE PROCESSIONAL MARSHALS

Courtney Dion Jones, *Musical Arts*
Crystal Edie Valdez, *Chemistry and Biochemistry*

NOMINEES

Cynthia R. Albarrán, *Nursing*
Nabil Alshurafa, *Computer Science*
Katja Elisabet Antoine, *Anthropology*
Nadine Bermudez, *Education*
Katharine Stufflebeam Blankenship, *Ethnomusicology*
Selah Shalom Johnson, *History*
Amy Malek, *Anthropology*
Thomas Peter Narins, *Geography*
Sacha Leandra Prashad, *Molecular Biology*
Christopher William Scaduto, *Mathematics*
Scott Ryan Stephenson, *Geography*
Jeffrey Allen Stevens, *History*

THE 2014-15 DOCTORAL CLASS

UCLA has awarded more than 32,000 doctoral degrees since 1939.

A total of 772 doctoral degrees are being awarded this year.

45% Female, 55% Male

Average age: 33

The youngest graduate is 24 years old.
The oldest is 73 years old.

4 different degree types:

Doctor of Philosophy (742)

Doctor of Education (25)

Doctor of Musical Arts (4)

Doctor of Environmental Science & Engineering (1)

79 different majors

Engineering is awarding the most degrees (21%), followed by Physical Sciences (16%) and Social Sciences (12%) and Humanities (11%)

THE UCLA MEDAL

SHIRLEY MALCOM

Dr. Shirley Malcom is the Director of Education and Human Resources Programs of the American Association for the Advancement of Science (AAAS), where she leads efforts to advance education in science, technology, engineering and math (STEM) fields at all levels, to improve the public understanding of science and technology, and to expand the talent pool for science.

Malcom earned her B.S. at the University of Washington and her M.A. in Zoology at UCLA in 1968. After teaching high school in Los Angeles, she was awarded her Ph.D. in Ecology from Penn State in 1974. She was a faculty member at the University of North Carolina at Wilmington before transitioning to government and policy-making. She joined the AAAS, where she was principal author of *The Double Bind: the Price of Being a Minority Woman in Science*, and then managed the Minority Institutions Science Improvement Program at the National Science Foundation. In 1979 Malcom returned to the AAAS to head the Office of Opportunities in Science. She has held her current position since 1989.

Malcom was appointed to the National Science Board, co-chaired its Commission of 21st Century Education in STEM, and served on President Clinton's Committee of Advisors on Science and Technology. She now co-chairs the Gender Advisory Board of the United Nations Commission on Science and Technology for Development. Malcom is a member of the American Academy of Arts and Sciences, a trustee of Caltech and a regent of Morgan State University. Malcom holds sixteen honorary degrees. She was awarded the Public Welfare Medal of the National Academy of Sciences, that organization's highest honor. Bruce Albers, then-President of the Academy, described her as "a tireless advocate for the empowerment of the general public through science and technology."

Dr. Malcom has a distinguished and unparalleled record of achievement in expanding opportunities in STEM for women, minorities and persons with disabilities. She is a true Bruin whose leadership resonates with UCLA's commitment to diversity, equity and inclusion.

The UCLA Medal is the highest honor bestowed by the University of California, Los Angeles. Created in 1979, the medal is awarded to those who have made truly extraordinary and distinguished contributions to their professions and to our society.

DEGREE CANDIDATES

Major, dissertation chair/co-chair, and dissertation title

DOCTOR OF EDUCATION

Julie Adele Buchanan-Plaisance

Education/ Patricia M. McDonough

Silencing, Erasure, and Stigma of Sexual Minority Identity: Heteronormative Bias in Rural School Climate

Maria Elena Clinton

Education/ Richard L. Wagoner & Robert A. Rhoads

California Community College Faculty: Perceptions Regarding Running for Academic Senate President

Jessica Rae Cristo

Education/ Linda P. Rose & Daniel G. Solorzano

Making Meaning of the Dream: Understanding How Latina/o AB540 Community College Students Are Accessing and Navigating the California Dream Act

Chau Phuong Nguyen Dao

Education/ Linda P. Rose & Robert A. Rhoads

Service and Program Needs To Support Foster Students Attending Community College

Megan Elisa Fox

Education/ Jane E. Pizzolato

Scrutinizing Sophomore Slump: An Exploration of Student Behaviors and Institutional Conditions

Joanna Gerber

Education/ Diane Durkin & Christina A. Christie

MOOCs: Innovation, Disruption and Instructional Leadership in Higher Education

Ian Andrew Guidera

Education/ Robert Cooper & Diane Durkin

Principals Implementing Growth Mindset Norms: Insights on School Culture Reform

Deborah Lea Harrington

Education/ Christina A. Christie

“You Can’t Just Jump into the Icy Pool of Metacognition:” The Value of Networking and Community Building in California Community Colleges’ Reading Apprenticeship Project

Andrew Jefferson Hill

Education/ Robert A. Rhoads

Social Learning in Massive Open Online Courses: An Analysis of Pedagogical Implications and Students’ Learning Experiences

Sara Lasnover

Education/ Linda P. Rose & Sandra H. Graham

The Early Effects of the Removal of Willful Defiance from the Discipline Policy at Urban High Schools

* The names of doctoral graduates who placed a restriction on the release of personal information are not included in this listing.

Douglas Chelton Marriott

Education/ Richard L. Wagoner & Mark Kevin Eagan

Community College Student Success among Non-Completers: A Narrative Exploration of the Phenomenon of Positive Attrition through the Voices of California Community College CTE Students

Elizabeth D’Arcy McKillop

Education/ Richard L. Wagoner & Robert A. Rhoads

Cyberbullying 101: A Student Affairs Perspective

Faraah Ann Mullings

Education/ Eugene Tucker & Sylvia Hurtado

First-Generation Latina Commuter Students’ Perception of Factors that Influence Their Persistence toward College Completion

Yoshiko Okamoto

Education/ Megan Loef Franke

The Implementation Process and Impact of a Six-Week Number Talk Intervention with Sixth-Grade Middle School Students in a Large Urban School District

Julia Pelikhova

Education/ Eugene Tucker & Wellford W. Wilms

Supporting the Professional Development Needs of High School Athletic Coaches: An Action Research Project to Create a Coaching Resource Guide

Lauren Perrish Plant

Education/ Diane Durkin & Wellford W. Wilms

Middle School Girls’ Relational Aggression: An Intervention through Action Research

Miguel Daavid Powers

Education/ Christina A. Christie

Growth Mindset Intervention at the Community College Level: A Multiple Methods Examination of the Effects on Faculty and Students

Gabriel Anthony Ramirez

Education/ Connie L. Kasari & Faye C. Peitzman

Classroom Design for Urban Students

Kenneth Seals

Education/ Eugene Tucker & Tyrone C. Howard

Exploring How Teacher Leaders Influence Instructional Improvement Beyond the Walls of Their Classroom

Jeanne Sesky

Education/ Megan Loef Franke

A Story of Distributed Leadership at a Turnaround High School: Identifying Settings and Practices

Lovell Devon Smith

Education/ Eugene Tucker & Robert Cooper

Students at the Table: African American High School Students’ Perception of What They Have and What They Need to Make It to Four-Year Post-Secondary Institutions

Jenny Amanda Vazquez-Akim

Education/ Mark Kevin Eagan

A Crack in the Pipeline: Why Female Underrepresented Racial Minority Students Leave Engineering

Gregorio Verbera

Education/ Eugene Tucker & Patricia C. Gandara

The First Year: Understanding Newcomer Adolescents’ Academic Transition

William Lee Walton Jr.

Education/ Eugene Tucker & Mark Kevin Eagan

The Price of Independence: Tuition, Annual Giving, Endowments, and Financial Aid in Independent Schools

Leora Ya'acova Wolf-Prusan

Education/ Christina A. Christie & Diane Durkin

The Impact of Student Gang/Gun-Related Homicide on Urban High School Teachers

DOCTOR OF ENVIRONMENTAL SCIENCE AND ENGINEERING

David Christopher Quiros

Environmental Science and Engineering/ Yifang Zhu

Measurement and Control of Particulate Matter Emissions from Mobile Sources

DOCTOR OF MUSICAL ARTS

Courtney Dion Jones

Music/ Jens H. Lindemann

Extended Techniques and Vocal Simulations in Frank Ticheli's *First Voice of Solo Bb Trumpet*

Natalia Kartashova

Music/ Robert S. Winter

Chronic Stage Anxiety Re-Examined: An Integrative Approach for the Twenty-First Century

Myroslava Khomik

Music/ Movses Pogossian

Ukrainian Identity in Modern Chamber Music: A Performer's Perspective on Valentyn Silvestrov's Violin Sonata *Post Scriptum* and Its Interpretation in the Context of Ukrainian Chamber Works

Carlene Younghae Kim

Music/ Michael E. Dean

A Conductor's Guide to the Interpretation of Mendelssohn's *Elijah*: A Theologically-Informed Approach

DOCTOR OF PHILOSOPHY

Ziad Munif Abu-Rish

History/ James L. Gelvin

Conflict and Institution Building in Lebanon, 1946-1955

Megan Henderson Accordino

Economics/ Hugo Andres Hopenhayn

Economic Analyses of Three Energy Policy Problems

Nancy Acevedo-Gil

Education/ Daniel G. Solorzano

College-Going Culture in an Underresourced Urban High School: Examining Latina/o College Choice and Navigation

Maria Alejandra Acuña

Social Welfare/ Todd M. Franke

How We Talk about It: Stressful Life Events, Family Communication and PTSD among Public School Adolescents

Katrina Louise Adams

Molecular Biology/ Bennett G. Novitch

Defining the Molecular and Functional Diversity of Stem Cell-Derived Motor Neurons

Patience Akelen-Era Afulani

Public Health/ Gail G. Harrison & Anne R. Pebley

Determinants of Maternal Health and Health-Seeking Behavior in Sub-Saharan Africa: The Role of Quality of Care

Zahra Mashhadi Aghajan
Physics/ Mayank R. Mehta

Hippocampal Activity in Real and
Virtual Environments

Jordan Christopher Aguirre
Chemistry/ Benjamin Joel Schwartz

Controlling the Morphology of Polymer
and Fullerene Blends in Organic
Photovoltaics through Sequential
Processing and Self-Assembly

Andrew Pati Ah Young
Biological Chemistry/ Pascal Francois
Egea

Structural and Biochemical Character-
ization of Eukaryotic Protein Complexes
Involved in Inter-Organelle Tethering
and Protein Quality Control

Byron Thomas Ahn
Linguistics/ Sun-Ah Jun & Dominique
L. Sportiche

Giving Reflexivity a Voice: Twin
Reflexives in English

Jong Hoon Ahn
Computer Science/ Miodrag Potkonjak
Data-Intensive Mobile Cloud Computing

Andrew Peter Aijian
Biomedical Engineering/ Robin L.
Garrell
Digital Microfluidic Lab-on-a-Chip
Platform for the Culture and Analysis
of Three-Dimensional Multicellular
Spheroids

Florence Oluwabunmi Akinyemi
Political Science/ Mark Q. Sawyer
The Dog That Doesn't Bark?: Religious
Conflict and Peace Entrepreneurs in
Nigeria

Cynthia R. Albarrán
Nursing/ Marysue V. Heilemann

Expanding Perspectives and Gaining
Leverage: How Migrant Farmworker
Women Navigate HIV Risk in Their
Close, Long-Term Relationships

Yazeed Mohd Alhiyari
Biomedical Physics/ Frank Pajonk
The Combinational Effects of Gamma
Secretase Inhibition and Radiation on
the Cancer Stem Cell Population in
Glioblastoma

Christopher Michael Allan
Biochemistry and Molecular Biology/
Catherine F. Clarke
Coenzyme Q Biosynthesis
in *Saccharomyces cerevisiae*:
Characterization of a Coq Polypeptide
Biosynthetic Complex and a Coenzyme
Q Binding Protein

Nabil Alshurafa
Computer Science/ Majid Sarrafzadeh
Improving Healthcare for Populations:
Building Smart and Integrated Remote
Health Monitoring Systems

Thomas G. Altura
Management/ Sanford M. Jacoby
The Social Facticity of Partner Status:
The Case of Local Governments and
Investment Banks

Adriana Ruiz Alvarado
Education/ Sylvia Hurtado
Latina/o Pathways through College:
Characteristics of Mobile Students and
the Institutional Networks They Create

Behzad Amiri
Electrical Engineering/ Lara Dolecek
Theory and Practice of Non-Binary
Graph-Based Codes: A Combinatorial
View

Ladan Amouzegar

Mechanical Engineering/ Ivan Catton
A Multi-Scale Study of Inorganic
Aqueous Solution for Advanced Heat
Pipe Applications

Fabio Angius

Computer Science/ Mario Gerla &
Lixia Zhang
Reliable Content Distribution Using ICN

Katja Elisabet Antoine

Anthropology/ Jessica R. Cattellino &
Karen Brodtkin
“Pushing the Edge:” Challenging Racism
and Sexism in American Stand-Up
Comedy

Jacob Webster Aptekar

Neuroscience/ Mark Arthur Frye
The Neural Basis of Visual Figure-
Tracking in Fruit Flies

Samuel Jun Araki

Aerospace Engineering/ Richard E. Wirz
Multi-Scale Multi-Species Modeling for
Plasma Devices

Diego Arambula

Microbiology, Immunology, and
Molecular Genetics/ Jeffery Floyd Miller
Legionella Diversity Generating
Retroelements: Creating Massively Variable
Repertoires of Surface Displayed Proteins

Ana Luisa Toledo Piza Pessoa Araujo

Economics/ Hugo Andres Hopenhayn
& Pierre-Olivier Weill
Essays on Labor Market Mechanisms

Jacquelyn Wendy Ardam

English/ Michael A. North
Reading from A to Z: The Alphabetic
Sequence in Experimental Literature and
Visual Art

Michael Dawson Arensman

Cellular and Molecular Pathology/
David Wayne Dawson
Regulation and Therapeutic Targeting of
Wnt Signaling in Pancreatic Cancer

Amila Dinesh Ariyaratne

Physics/ Giovanni Zocchi
Rheology of Biological Macromolecules

Amanda Lee Armijo

Molecular and Medical Pharmacology/
Caius Gabriel Radu
Development of and Therapeutic
Applications for Novel Inhibitors of
Deoxycytidine Kinase

Christopher David Arntsen

Chemistry/ Daniel Neuhauser
Electronic Properties of Organic
Photovoltaic Materials

Jacinta Arthur

Culture and Performance/ David
Delgado Shorter
Reclaiming Mana. Repatriation in Mana Nui

David Louis Attanasio

Philosophy/ Seana Shiffrin
The State Obligation to Protect

Anne Eliese Austin

Archaeology/ Willemina Z. Wendrich
Contending with Illness in Ancient
Egypt: A Textual and Osteological Study
of Health Care at Deir el-Medina

Shabnam Shenasi Azari

Sociology/ Min Zhou & Jennie
Elizabeth Brand
Ethnic Visibility, Context, and
Xenophobia: A European Perspective

Meghedi Babakhanian

Biomedical Engineering/ Warren Grundfest

Cellular Mechanisms of Action
Associated with Transcranial
Ultrasound for Modulation and Its
Acoustic Characterization through Skull

Gregory Joseph Baker

Molecular and Medical Pharmacology/
Harvey R. Herschman & Pedro Ricardo
Lowenstein

Invasion and Evasion: Investigations on Early
Glioblastoma Growth Reveal Two Novel
Mechanisms of Brain Tumor Progression

Jean Ann Balgrosky

Health Services/ Jack Needleman

Adoption of Electronic Health Records
by Physicians for Use in Their Practices

Sean Banaee

Environmental Health Sciences/ Shane
S. Que Hee

Permeation of Limonene through
Disposable Nitrile Gloves in the Robot
Hand Whole Glove and ASTM Closed
Loop Models

Gretchen Elizabeth Bandoli

Epidemiology/ Beate R. Ritz

Assessing Risk and Preventive Factors
for Respiratory Illness in Children and
Adolescents: Breastfeeding, Prenatal and
Postnatal Stressors in Two Population-
Based Cohorts in Los Angeles,
California

Muhammad Ghulam Barik

Civil Engineering/ Terri S. Hogue

Remote Sensing-Based Estimates
of Potential Evapotranspiration for
Hydrologic Modeling in the Upper
Colorado River Basin Region

Joseph Kelly Barker

Computer Science/ Richard E. Korf

Front-to-End Bidirectional Heuristic
Search

Arash Bellafard

Physics/ Sudip Chakravarty

Effect of Disorder on First-Order Phase
Transitions

Aaron Seth Benanav

History/ Robert P. Brenner

A Global History of Unemployment:
Surplus Populations in the World
Economy, 1949-2010

Jacques Benatar

Mathematics/ Terence Chi-Shen Tao

The Existence of Small Prime Gaps in
Subsets of the Integers

Scott Andrew Bender

Physics/ Yaroslav Tserkovnyak

Quantum Spin Transport and Collective
Magnetic Dynamics in Heterostructures

Kristina Elizabeth Benson

Islamic Studies/ Sondra Hale

Sources of Authority and Authenticity
in American Sharia Law

Lisa Ann Benson

Psychology/ Andrew Christensen

Integrative Behavioral Couple Therapy
for Generalized Anxiety Disorder

Neil Elliott Berg

Atmospheric and Oceanic Sciences/
Alexander Dean Hall

Climate Change Effects on California
Precipitation and Soil Moisture

Nadine Bermudez

Education/ Daniel G. Solorzano

Mendez et al v Westminster School District et al: Mexican American Female Activism in the Age of De Jure Segregation

Laura M. Bernhard

Education/ Walter R. Allen

Toward a Better Understanding: Three Studies on Diversity in Intercollegiate Athletics

Marie Elizabeth Berry

Sociology/ Abigail Cope Saguy & Andreas Wimmer

From Violence to Mobilization: War, Women, and Political Power in Rwanda and Bosnia-Herzegovina

Siddharth Kasi Bhaskar

Mathematics/ Yiannis N. Moschovakis

Recursion Versus Tail Recursion over Abstract Structures

Bin Bi

Computer Science/ Junghoo Cho

Bayesian Modeling for Analyzing Online Content and Users

María Natalia Bieletto Bueno

Musicology/ Elisabeth Covel Le Guin

“Es Siempre Preferible la Carpa a la Pulquería.” The Construction of Poverty in the Music of the Carpas Shows in Mexico City, 1890-1930

Samarah Mashawn Blackmon

Education/ Tyrone C. Howard

Moving Beyond: Exploring Black Girls’ Perspectives on a Community-Based Educational and College Preparatory Empowerment Program

James Dean Bland

Geography/ Thomas Welch Gillespie & Hartmut Walter

Indigenous Forest Use as an Agent of Change in Plant and Animal Communities of the Temperate Sikkim-East Nepal Himalaya

Joshua Blander

Philosophy/ Calvin G. Normore

Dependence, Separability, and Theories of Identity and Distinction in Late Medieval Philosophy: Case Studies from Scotus and Ockham

Brian Richard Blank

Chemistry/ Ohyun Kwon

Synthetic Studies toward the Total Synthesis of (±)-Ajmaline and the Development of, Investigation into, and Application of a Phosphine-Catalyzed [4+1] Annulation

Katharine Stuffelbeam Blankenship

Ethnomusicology/ Jacqueline C. Djedje

Women’s Voices Women’s Songs: Dagbamba Music, Gender, and Culture

Joshua Bloom

Sociology/ William G. Roy & Michael Mann

Pathways of Insurgency: Black Liberation Struggle and the Second Reconstruction, 1945-1975

Igor Bogorad

Bioengineering/ James C. Liao

Rewriting Central Metabolism for Carbon Conservation

Wesley Earl Bonifay

Psychology/ Steven Paul Reise & Li Cai

An Integrative Framework of Model Evaluation

Giancarlo A. Bonora

Bioinformatics/ Kathrin Plath & Matteo Pellegrini

Computational Methods for Studying Gene Regulation and Genome Organization Using High-Throughput DNA Sequencing

Eric James Bordenkircher

Islamic Studies/ Leonard Binder & Steven L. Spiegel

Kings, Queens, Rooks and Pawns: Deciphering Lebanon's Political Chessboard

David Scott Boren

Biostatistics/ Ronald S. Brookmeyer

Agent-Based Modeling for HIV Prevention

Sean Borkowski

Biomedical Engineering/ Harry A. McKellop & Edward Ebramzadeh

Improving Preclinical Testing of Deformity Correction Surgery

Chiara Bozzone

Indo-European Studies/ Brent Harmon Vine

Constructions: A New Approach to Formularity, Discourse, and Syntax in Homer

Jonathan Brown

Chemistry/ Louis-Serge Bouchard

Variation of Pore Metrics in Metal-Organic Frameworks for Enhanced Storage and Catalytic Applications

Katherine Richards Brunson

Anthropology/ Paul Jeffrey Brantingham

Craft Specialization and Animal Products at the Longshan Period Sites of Taosi and Zhoujiazhuang, Shanxi Province, China

Yizhe Bu

Atmospheric and Oceanic Sciences/ Robert G. Fovell

Influence of Cloud-Radiative Forcing and the Planetary Boundary Layer on Tropical Cyclone Structure

Gary Bucciarelli

Biology/ Howard Bradley Shaffer

Phenotypic Variation of Toxin Levels in a Chemically Defended Amphibian: The Ecological and Evolutionary Significance of Tetrodotoxin

Dorothy Rose Buchli

Psychology/ Robert A. Bjork & Elizabeth Ligon Bjork

Challenging the Contextual-Cuing Account of Retrieval-Induced Forgetting

Denis Buehler

Philosophy/ C. T. Burge

Psychological Agency-Guidance of Visual Attention

Joseph Patrick Buffington

Linguistics/ Timothy A. Stowell & Yael Sharvit

The Logical Form of Contract Formation

Earl Ryan Burrell

Epidemiology/ Roger Detels

Motivation for Substance Use, Venue of Sexual Encounter, and Sexual Risk Behavior among Men Who Have Sex with Men (MSM) in the Multicenter AIDS Cohort Study (MACS): Factor Analysis, and Global vsEvent-Level Generalized Linear Mixed Model (GLMM) Assessment Approach

Ashay Burungale

Mathematics/ Haruzo Hida

On the Non-Triviality of Arithmetic Invariants Modulo p

Sara Marie Butler

Political Science/ Scott Curtis James

Partisan Pathways to Racial Realignment:
The Gradual Realignment of Race and
Party in the Twentieth Century

Karen Marissa Byrnes

Public Health/ Linda B. Bourque

The Influence of Information Sources
on HIV-Related Knowledge of Indian
Adolescents

Ralph Adrian Cacho

Chemical Engineering/ Yi Tang

Insights in the Biosynthesis of
Griseofulvin and Echinocandin B,
Two Antifungal Compounds from
Ascomycetes

Julia Thornton Caldwell

Public Health/ Chandra L. Ford

Rurality and Race: Inequities in Access
to Five Types of Healthcare Services

Cynthia Cam

Bioengineering/ Tatiana Segura

Design and Characterization of Gene
Activated Porous Hyaluronic Acid
Hydrogels for Cutaneous Wound
Healing

Jeffrey Philip Cantle

Neuroscience/ Xiangdong William Yang

Molecular Mechanisms Underlying
Neuropathology in Mouse Models of
Huntington's Disease

Yang Cao

Atmospheric and Oceanic Sciences/
Robert G. Fovell

The Santa Ana Winds of Southern
California in the Context of Fire
Weather

Yang Cao

Chemistry/ Kendall N. Houk

Computational Investigations of Organic
Reactions on Graphene, Fullerenes, and
Carbon Nanotubes

Colleen Marie Carpinella

Psychology/ David O. Sears & Kerri
Johnson

The Gendered Face of Partisan Politics:
Consequences of Intersecting Gender
and Partisan Stereotypes for Politician
Perception

Caleb Swift Carter

Asian Languages and Cultures/ William
M. Bodiford

Producing Place, Tradition, and the
Gods: Mt. Togakushi, Thirteenth
through Mid-Nineteenth Centuries

Jennifer Ryan Casey

Chemistry/ Benjamin Joel Schwartz

The Structure of the Hydrated Electron
in Bulk and at Interfaces: Does the
Hydrated Electron Occupy a Cavity?

Darian Dallas Cash

Biochemistry and Molecular Biology/
Juli F. Feigon

Structure and Functional Studies of
Telomerase RNA

Ann Milada Cavanaugh

Molecular, Cell, and Developmental
Biology/ Jau-Nian Chen

The Role of Cardiac Neural Crest Cells
in Zebrafish Heart Development

Armando Enrique Cerpa

Hispanic Languages and Literatures/
Adriana J. Bergero

*Cifrado gótico en Santa Evita de Tomás Eloy
Martínez y Una casa vacía de Carlos Cerda:
Espacios subterráneos, espectros e insepultos
de las dictaduras*

Bahiyih Hardacre Cerqueira

Applied Linguistics/ John H. Schumann
Behavioral and Psychophysiological
Correlates of Conversation

Albert Hay Wah Chan

Biochemistry and Molecular Biology/
Robert Thompson Clubb

Sortase Enzyme Mediated Surface
Protein Display in Gram-Positive
Bacteria: Mechanistic Studies and
Inhibitor Development

Catherine Claire Chanfreau

Health Policy and Management/ Ninez
A. Ponce

Personalized Medicine and the Role of
Patient Preferences, Risk Perception and
Information Exchange

Hung-Bin Chang

Electrical Engineering/ Izhak Rubin

Joint Adaptive Rate and Scheduling in
Cellular Wireless Networks

Yen-Chi Chang

Mechanical Engineering/ Tsu-Chin Tsao

Precision Motion Sensing and Control
through Constrained Optimization

Yuan-Wei Chang

Materials Science and Engineering/
Jenn-Ming Yang

High Strength and Thermally Stable
Nanostructured Magnesium Alloys and
Nanocomposites

Naphat Chantaravisoot

Microbiology, Immunology, and
Molecular Genetics/ Fuyuhiko Tamanoi

Characterizing the Mechanistic Target
of Rapamycin Complex 2 Pathway in
Glioblastoma Multiforme

Ion Hong Chao

Mechanical Engineering/ Adrienne G.
Lavine

Modeling and Simulation of Plasmonic
Lithography Process with Coupling
between Electromagnetic Wave Model,
Phase Field Model and Heat Transfer
Model

Adriana Alexandra Maldonado

Chaparro

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Population-Level Consequences of
Phenotypic Plasticity in Yellow-Bellied
Marmots (*Marmota flaviventris*)

David Michael Chase

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Homing Desires/Desiring Homes: The
Construction of Queer Domestic Space
in Contemporary American Literature

Ronjaunee Chatterjee

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Literature and Feminine Singularity:
1850-90

Cheng-Han Chen

Bioengineering/ Benjamin M. Wu

Nanoparticle-Based Induced Cre
Recombination for Tissue-Specific
Ischemia Targeting

Chun-Chao Chen

Materials Science and Engineering/
Yang Yang

Organic Tandem Solar Cells: Design and
Formation

Miles Satori Chen

Statistics/ Peter M. Bentler

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the Dirichlet Process

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Electrical Engineering/ Chih-Kong Ken Yang

Design of 60+Gb/s Serial-Link Transmitters Using Filter Techniques

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Computer Science/ Adnan Youssef Darwiche

Robust Decision Making with the Same-Decision Probability

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Electrical Engineering/ William J. Kaiser

Integrated, Interactive Sensing for Scalable Behavior Guidance: Health and Energy

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Biological Chemistry/ Stephen Lawrence Zipursky

Visualizing Synapses between Specific Neurons *in vivo* with Light Microscopy

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Economics/ Maurizio Mazzocco

Essays on Household Saving Rates

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Materials Science and Engineering/ Yu Huang

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Chemical Engineering/ Jane Pei-Chen Chang

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Epidemiology/ Onyebuchi Aniweta Arah

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Jun Deng

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Mathematics/ Raphael Alexis Rouquier
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Recipients in Los Angeles County

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Factor Signaling in Heart Development
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Mechanical Engineering/ Christopher
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Characterization, Modeling, and Energy
Harvesting of Phase Transformations in
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Assessing Trends in Measles
Epidemiology, Immunization Coverage,
Vaccine Efficacy, and Cost-Effectiveness
to Identify Practical Strategies for
Measles Elimination in the Democratic
Republic of Congo

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of Small Molecule Modulators for
Mitochondrial Processing Peptidase

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Universities

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Special Education/ Sandra H. Graham
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Divide at the Postsecondary Level:
Observations and Outcomes of Co-
Teaching across Curricula

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The Interplay between Agonistic
Character Displacement and
Reproductive Interference in Rubyspot
Damselflies (*Hetaerina* spp.)

Sienmi Du

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Effects on the Immune and Central
Nervous System during Experimental
Autoimmune Encephalomyelitis

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Omri Even Tov

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Announcements Predict Future Stock
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Education/ Sylvia Hurtado

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Statistical Methods for Ultrafine Particle Distributions

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Exciting Point Processes with
Applications to Social Networks and
Earthquake Seismology

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Dendritic Spine Dynamics in
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Parents' Pecuniary and Non-Pecuniary
Educational Investment Decisions

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Relaxor Ferroelectric Single Crystals

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Several Problems in Extremal
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Jing GaoMaterials Science and Engineering/
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Heterojunction Polymer Solar Cells

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in STEM: Predictors of STEM Bachelor's
Degree Recipients' Values toward Using
Research and Sociopolitical Involvement
to Promote a More Equitable Society

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Neurocysticercosis, Presenting
Symptoms, and Stroke

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Mottle Virus

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Protein in Adipogenesis and Glucose
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Identifier Has on the Identity, Social
Interactions, and Academic Experiences
of Undocumented Latina/o Students

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Success

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Particle Aggregation
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Cultural Capital and Cultural Wealth for
Latina/o Community College Transfer
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Development in a TeacherLed Inquiry
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Neurofibrillary Tangles and the 5HT1A
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Regional Climate Model to Investigate
Aerosols-in-Snow Impacts over North
America and Sub-Regions

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Splitting and Applications to Image
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Priors in Multisensory Perception

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Dynamics of Imprint Erasure during *in vitro*
Acquisition of Pluripotency in Germ Cells

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An Examination of the Conditions
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Utilizing an Aide-Mediated Social Skills
Intervention

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Development and Differentiation during
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Topography, and Tidal Response

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Mythology

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Molecular Genetics/ Benhur Lee

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Determinants of Nipah Virus Matrix
Protein Trafficking and Budding

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Superhydrophobic Surfaces on Skin-
Friction Drag Reduction in Wall-
Bounded Shear Flows

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Inactivation in Human Development
and Pluripotent Stem Cells

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Non-Hodgkin Lymphoma Susceptibility
in the Multicenter AIDS Cohort Study

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the World: International Students
of the Woman's Medical College of
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Environmentally Relevant
Microorganisms to Metal-Containing
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Polymers and Small Molecules Based
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5-acetyl-4*H*-cyclopenta[*c*]thiophene-
4,6(5*H*)-dione, and Diketopyrrolopyrrole
Electron-Deficient Units

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Education/ Connie L. Kasari

Speed-Dating with Autism: Initial Romantic Attraction among Adults with Autism Spectrum Disorder

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Wickramaratne

Biomedical Engineering/ Jacob J. Schmidt & James K. Gimzewski

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Antiferromagnet $\text{Ba}_3\text{CoSb}_2\text{O}_9$

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