

2009 University of California Hellman Fellows

UC Berkeley

Elad Alon	Electrical Engineering & Computer Sciences	<i>Nano-Electro-Mechanical Integrated Circuit Design and Technology</i>
Leonardo Arriola	Political Science	<i>Power Sharing in Africa: Explaining Bargaining Outcomes after Disputed Elections</i>
Diana M. Bautista	Molecular & Cell Biology	<i>Molecular and Cellular Mechanism of Mammalian Touch and Pain</i>
Charles Blanton	English	<i>Epic Negation: The Dialectical Poetics of Late Modernism, Aftereffects: Late British Style</i>
Rauri Bowie	Integrative Biology	<i>Novel approaches for combining climate modeling with genetic data: birds from the Eastern Arc Mountains of Africa as a case study with which to test the evolutionary importance of stability</i>
Mary M. Cavanaugh	Social Welfare	<i>The Dialectical Psychoeducational Workshop (DPEW) for Males At Risk for IPV: A pilot Randomized Controlled Trial</i>

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Melinda Chen	Gender & Women's Studies	<i>Leaded Bodies as toxic Assets: National and Corporeal Security in Notions of Toxicity</i>
Lu Chen	Optometry	<i>Development of New Therapies for Corneal Inflammation and Transplantation</i>
James Davies	Music	<i>Romantic Neuro-science in Musical Performance, 1800-1845</i>
Nicholas De Monchaux	Architecture	<i>Local Code: Towards Place-Based Intelligence in Prefabricated Design</i>
Karen S. Feldman	German	<i>"The Importance of the Means": Language and Style in Kant</i>
Karsten Gronert	Optometry	<i>Harnessing Endogenous Protective Circuit to Preserve Vision</i>
Maria Paz Gutierrez	Architecture	<i>Building environmental control: thin film integration of hygrosensors and thermoelectrical/photovoltaic coating technologies for higher energy efficiency envelopes</i>

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Amy E. Herr	Bioengineering	<i>Development of a Non-Invasive Diagnostic Test for Renal Disease (Nephropathy)</i>
Robert Kaufman	Comparative Literature	<i>Modernism after Postmodernism? Robert Duncan and the Future-Present of American Poetry</i>
Nicole King	Molecular & Cell Biology	<i>Insights into animal origins by comparative genomics of Sponges</i>
Han Lim	Integrative Biology	<i>Jamming the small RNA signals required for bacterial survival and infection</i>
Tania Lombrozo	Psychology	<i>Empirical investigations of explanation and inference</i>
Ana Maria Martinho	Spanish & Portuguese	<i>Culture, Media and Politics in Angola</i>
Amani Nuru-Jeter	Public Health	<i>The Psychological Effects of Racism Stress among Black Women of Childbearing Age</i>

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Celine E. Pallud	Environmental, Science, Policy, & Management	<i>The future of the Salton Sea: Coupling transport and biogeochemical processes affecting selenium mobility</i>
Beth Piatote	Ethnic Studies	<i>Indigenous Literacies</i>
Chelsea Specht	Plant & Microbial Biology	<i>The evolution of adaptive floral morphology in an ecologically important group of tropical monocots (Zingiberales)</i>
Chenxi Tang	German	<i>Imagining World Order: International Law and Literature from the Renaissance to the Nineteenth Century</i>
Cihan Tugal	Sociology	<i>Piety faces of the Mammon and the Pharoah: Islamicization as an associational response to the market and the state?</i>
Evan A. Variano	Civil and Environmental Engineering	<i>Developing 3D Imaging and Velocimetry for Coastal and Riverine Sediment Motion</i>

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UC Davis

Ali Anooshahr	History	<i>Moral Politics & the Crisis of the 17th Century</i>
Cheryl Boudreau	Political Science	<i>Conflicting Cues, Consistent Opinions? The Effect of Party Labels, Polls, and Endorsements on Public Opinion</i>
Jochen Ditterich	Neuroscience	<i>Center for Neuroscience, "Neural Mechanisms of Flexible Decision-Making"</i>
Katharine Graf Estes	Psychology	<i>The Development of Mapping Sounds to Meanings in Early Word Learning</i>
Ryan Galt	Human & Comm Develop.	<i>Sustainable Food Networks in California's Central Valley: Learning and Collaboration in Community-Supported Agriculture</i>
Matthias Geiger	Art	<i>Parallel Universe</i>

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**Carlos Francisco
Jackson**

Chicana & Chicano Studies

Mapping/Documenting the Chicano Social Serigraphy Movement

Alissa Kendall

Civil & Env. Engineering

GHG Accounting for Capturing the Effects of Emissions Timing on Climate Change

Andrew Marshall

Anthropology

From Individuals to Landscapes: Long Term Perspectives on the Reproduction of Bornean Rainforest Plants

**Michael
Mcquarrie**

Sociology

From Urban Populism to Foreclosure Crisis: The Rise and Decline of Markets in Community Development

Burkhard Schipper

Economics

Hormones and Competitive Behavior

Brian Trainor

Psychology

Rapid Effects of Estrogens on Behavior

**Archana
Venkatesan**

Comp. Lit & Religious Studies

Text and Performance at the Alvar Tirunagari Temple, South India

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Susan Verba

Design

Get Out Safe: Designing Emergency Exit Maps That Work

UC San Diego

Syed Ali

Economics

Learning Self-Control: Peer Groups and Cognitive Biases

Ery Arias-Castro

Mathematics

Cluster Detection and Extraction: Theory, Algorithms and Applications

Ivano Caponigro

Linguistics

*The Calculation of Scalar Implicatures in American Sign Language:
Experimental and Implications for the Semantics/Pragmatics Interface*

Robert Castro

Theatre & Dance

*UNDER THE TIPPA TREE: Research for a Theatrical Production of La Laguna
De Los Nemufares by Victoria Ocampo*

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Jennifer Cha	Nanoengineering	<i>Bio-Inspired Routes for Synthesizing Efficient Nanoscale Platinum Electrocatalysts</i>
Dennis Childs	Literature	<i>Resistance to Living Death: Black Prison Writings and Anti-Neoslavery Poetics</i>
Alison Coil	Physics	<i>Tracking Outflowing Galactic Winds Halfway Back to the Big Bang</i>
Olga Dudko	Physics	<i>Theoretical Approaches to Molecular and Cell Biophysics: From the Level of Individual Biomolecules to Multi-scale Cellular Complexity</i>
Joshua Figueroa	Chemistry-Biochemistry	<i>Efficient Catalytic Cross-Coupling with Palladium Isocyanide Complexes</i>
Amelia Glaser	Literature	<i>Stories of Khmelnytsky</i>
Nitin Govil	Communication	<i>Hollywood/Bollywood</i>

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Adria Imada	Ethnic Studies	<i>U.S. Militarism and the Neocolonial Present: From Hawai'i to the Middle</i>
Colin Jamora	Cell & Developmental Biology	<i>Regulation of Immune Response During Wound Healing in the Skin</i>
Sara Kaplan	Ethnic Studies	<i>Reproducing Slavery: Blackness, Feminism, and the Politics of Freedom</i>
Nancy Kwak	History	<i>Democratic Homeownership: Internationalizing American Housing Ideals post-1945</i>
Gert Lanckriet	Elect & Computer Eng	<i>In Search of that Perfect Tune: Analysis of Music for Semantic Search</i>
Lei Liang	Music	<i>The Dreams of Noisy Collisions (for percussion solo and electronics)</i>
April Linton	Sociology	<i>Trade Fair: Niche Markets or Norm Change?</i>

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Edmund Malesky	Global Policy And Strategy	<i>Measuring Accountability in Authoritarian Legislatures: The Representativeness of Vietnamese National Assembly Delegates</i>
Luis Martin-Cabrera	Literature	<i>The Non-place: Rethinking Memory and Justice in Spain and the Southern Cone</i>
John McMurria	Communication	<i>Public Wires or Private Desires: Cable Television and the Transformation of Public Culture, 1948-1984</i>
Jiawang Nie	Mathematics	<i>Semidefinite Programming and Convex Sets</i>
Patrick Patterson	History	<i>Bought and Sold: The Contradictions of Consumerism and the Life and Death of Yugoslavis (book project)</i>
Sebastian Saiegh	Political Science	<i>How Uncertainty and Vote-Buying Shape Lawmaking</i>
Oleg Shpyrko	Physics	<i>Structure and Dynamics of Nanoconfined Liquids using Synchrotron X-ray Techniques</i>

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Anna Springer	Literature	<i>Thieves with Tiny Eyes — Hand printed, bound and designed</i>
Michael Tauber	Chemistry-Biochemistry	<i>Singlet Fission in Organic Molecular Aggregates: From Fundamental Photophysics to Advanced Solar Cells</i>
Clinton Tolley	Philosophy	<i>The Fate of Kant's Philosophy of Logic in 19th Century Germany</i>
Emily Troemel	Cell & Developmental Biology	<i>Genetic and Molecular Analysis of Microsporidia Infection in C. elegans</i>
Alison Wishard Guerra	Education Studies	<i>Cultural Community Participation of Preschool Teachers: Unpacking Experience with Immigration, Language Practices, and Beliefs about Teaching and Learning, and School Readiness</i>
Christian Wuthrich	Philosophy	<i>The End of Time</i>
K. Wayne Yang	Ethnic Studies	<i>The Youth Subject: Culture, Schools and Political Possibility</i>

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Liangfang Zhang Nanoengineering

Co-Delivering Hydrophilic and Hydrophobic Drugs for Cancer Therapy

UCSF

Kamran Atabai Medicine / Lung Biology Center

Mfge Eight Mediate Collagen Endocytosis Limits the Severity of Tissue Fibrosis

Jennifer Barton Rheumatology

Patient-Physician Discordance in Rheumatoid Arthritis: Etiology and Outcomes in an Ethnically Diverse Cohort

Dejana Braithwaite Epidemiology & Biostatistics

Impact of Comorbidity on Breast Cancer Survival in a Population-Based Prospective Multiethnic Cohort

Yvonne Cheng Obstetrics, Gynecology & Reproductive Sciences

Cesarian Deliveries: Why are They Increasing in the United States?

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Christopher Fee	Emergency Medicine	<i>A Pre- and Post-Intervention Time Series Analysis of Prospective Pharmacist Review of Emergency Department Medication Orders to Prevent Adverse Drug Events</i>
Valerie Flaherman	Medicine	<i>Effect of Early Limited Formula on Subsequent Breastfeeding Prevalence for Spanish-Speaking Mothers</i>
Judith Hahn	Medicine	<i>Changes in Alcohol Consumption Among Alcohol Users in HIV Care in Uganda</i>
Renee Hsia	Emergency Medicine	<i>Factors Associated with Closure of Emergency Services and Impact on Patient Outcomes</i>
Sei Lee	Medicine	<i>Glycemic Control and Outcomes in Community-Dwelling, Frail, Dependent Elders</i>
Sara Newmann	Obstetrics, Gynecology & Reproductive Sciences	<i>Decreasing Unintended Pregnancy and Vertical Transmission of HIV Through Family Planning-- Where Do Men Fit In?</i>
Maria Orellana	Orofacial Sciences	<i>Oral Health Related Quality of Life in Latino Youth</i>

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Jay Stewart

Ophthalmology

Ultrasound-Enhanced Transscleral Drug Delivery for Eye Disease

**UC Santa
Barbara**

Bradley Cardinale

EEMB

Species Extinction and the Biological Productivity of Food-webs

Erin Dowdy

Counseling, Clinical, and School
Psychology

Methods for Early Identification of Emotional and Behavioral Problems in Schools

Matthew Quirk

Counseling, Clinical, and School
Psychology

Early Identification and Intervention of Students At-Risk for Academic Problems

Philip Babcock

Economics

Improving Health Outcomes of College Students through the use of Exercise and Peer Effects

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Paul Atzberger	Mathematics	<i>Dynamic Simulation Studies of Lipid Bilayer Membranes with Particulate Inclusions</i>
Marek Kapicka	Economics	<i>Testing competing Models of Consumption Insurance</i>
Skirmantas Janusonis	Psychological and Brain Sciences	<i>Normal and Autistic-like Brain Growth in Mice with Variable Serotonin Synthesis Rates</i>
Jennifer Holt	Film and Media Studies	<i>Empires of Entertainment: Deregulation, Convergence and the Media Industries 1980-1996</i>
David Paul	Music	<i>Changing Faces of an Icon of American Music: The Reception of Charles Ives from 1920-2005</i>