

2013 University of California Hellman Fellows

UC Berkeley

Dana Carney	Business	<i>The Incredible Power of Ordinary, Everyday Nonverbal Cues</i>
Abigail De Kosnik	Theater, Dance & Performance Studies	<i>FanData: Counting Archives and Networks</i>
Cybele Fox	Sociology	<i>The Rise of Citizenship and Legal Status Restrictions in American Social Welfare Policy</i>
Brett Green	Business	<i>Overcoming product market frictions in poor countries</i>
Darya Kavitskaya	Slavic Languages & Literature	<i>The Documentation of the Northern Dialect of Crimean Tatar</i>
Richard Koci Hernandez	School of Journalism	<i>The Cannon and the Flower: War, a family and the transcendent power of music [A Study of Transmedia]</i>

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Yaniv Konchitchki	Business	<i>Taking the Pulse of the U.S Economy Using Financial Statement Analysis and Stock Market Returns</i>
Daniel Nomura	Nutritional Science & Toxicology	<i>Massively Parallel Mapping of Dysregulated Oncogene-Driven Metabolic Pathways in Cancer</i>
Tapan Parikh	School of Information	<i>Local Ground-Increasing Youth Data Literacy Using Contextually Grounded Mapping and Visualization Tools</i>
Panos Patatoukas	Business	<i>Taking the Pulse of the U.S Economy Using Financial Statement Analysis and Stock Market Returns</i>
Matthew Potts	Environmental Science, Policy & Management	<i>Conservation of biodiversity in working tropical landscapes</i>
Elizabeth Purdom	Statistics	<i>Statistical Methods for the Clustering of mRNA-seq Data</i>
David Romps	Earth & Planetary Science	<i>Cloud Statistics Using Stereo Photography</i>

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Namwali Serpell

English

Faces

Jun Sunseri

Anthropology

Tshimbupfe-Berkeley Collaborative Archaeology Project

Karen Tani

School of Law

States of Dependency: Welfare, Rights and American Governance, 1935-1965

Emily Thornbury

English

Rebuilding Anglo-Saxon Texts

UC Davis

Nathan Brown

English

The Measure of Modernity: Science, Philosophy, Poetry

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Erin Hamilton	Sociology	<i>Mexican Migration and Birth Outcomes: Revisiting the healthy Migrant Hypothesis</i>
Xiaoguang Liu (Leo)	Electrical and Computer Engineering	<i>Interference Tolerance Wireless Systems</i>
Heather McKibben	Political Science	<i>Multilateral Negotiations and Institutional Change</i>
Maceo Montoya	Chicana/o Studies	<i>Expanding Narrative Possibilities</i>
Michael Mulhearn	Physics	<i>Particle Physics Research with Undergraduate Students</i>
Samuel Sandoval Solis	LAWR	<i>Evaluating Environmental Flows using Water Quality</i>
Sam Walcott	Mathematics	<i>Multi-scale modeling of muscle contraction</i>

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Lifeng Xu	Microbiology & Molecular Genetics	<i>Regulation of Telomerase Activity by Telomeric Binding</i>
UC Irvine		
Amir Aghakouchak	Civil & Environmental Engineering	<i>California Integrated Drought Information System</i>
Rebecca Davis	English	<i>Signs Without Deeds: Making Literary Matter in Middle English</i>
Aaron Esser-Kahn	Chemistry	<i>A Synthetic Approach to Immune Stimulation: Understanding What Makes an Effective Vaccine by Molecular Design</i>
Sara Goodman	Political Science	<i>Becoming American: Effects of Civic Education on American Identity</i>

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Claudia (Czimczik) Green	Earth System Science	<i>Quantifying the Sources of Arctic CH₄ and CO₂ Emissions to the Atmosphere</i>
Kim Green	Neurobiology & Behavior	<i>What is the Role of Microglia in Neuronal Gene Expression in the Healthy Adult Brain?</i>
Sora Han	Criminology, Law & Society	<i>The Racial Politics of American Federalism: States' Rights and the Return of the Fourteenth Amendment</i>
Jered Haun	Biomedical Engineering	<i>Microfluidic Biopsy Chip for Automated Tumor Tissue Dissociation and Molecular Analysis</i>
Erica Hayasaki	English	<i>The Corn Drownings</i>
Joshua Lawrence	Education	<i>Using the Content Area Literacy Survey (CALs) to Meet the Demands of the Common Core Standards</i>
Melissa Lodoen	Molecular Biology & Biochemistry	<i>Breaching the Barrier: Understanding Pathogen Entry into the Brain</i>

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Jeannette Mancilla-Martinez	Education	<i>Teaching and Language Facilitation Techniques Associated with Preschooler's Vocabulary Growth</i>
Jane Page	Drama	<i>To direct a play, "Other Desert Cities" for the Vienna's English Theatre</i>
Allison Perlman	Film & Media Studies	<i>The Strange Career of Public Broadcasting: Race, Citizenship, and the Development of Noncommercial Television in the U.S.</i>
Jennifer Prescher	Chemistry	<i>Expanding the Bioluminescent Toolbox for Visualizing Cancer Metastases</i>
Jeanne Scheper	Women's Studies	<i>Moving Performances: Staging Race and Gender across Trans-Atlantic Modernism</i>
Tesha Sengupta-Irving	Education	<i>Equity in Opportunity: A Study of Student Learning and Interest in Engineering Design</i>
Weian Zhao	Pharmaceutical Sciences	<i>Simple Diagnostics for Screening Alzheimer's Disease at Early Stages</i>

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UCLA

Leisy Abrego	Chicana/o Studies	<i>Illegality and Political Claims-Making in Latino Immigrant Families</i>
Christian Dippel	Management	<i>The Transmission of Colonial Institutions</i>
Ingrid Eagly	Law	<i>Videoconferencing and Detention</i>
David Garcia	Education	<i>Complicating the "Mexican School" Narrative: The Struggle for Educational Equity in Oxnard, California, 1900-1975</i>
Louise Hornby	English	<i>Still Modernism</i>
Jesse Rissman	Psychology	<i>Decoding the Retrieval of Real-World Event Memories from Brain Activity Patterns</i>

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Gaurav Sant	Civil & Environmental Engineering	<i>Removing the “Ordinary” from Portland Cements: Defects and Imperfections as Transformational Routes towards Sustainable Cements of the Future</i>
Kate Wassum	Psychology	<i>Tracking Motivational Signals in the Brain</i>
Xia Yang	Integrative Biology & Physiology	<i>Dissecting the Genomic Networks Bridging Prenatal Nutrition and Metabolic Syndrome</i>
UC Merced		
Sarah Depaoli	Psychological Sciences	<i>Can We Observe the Unobservable? Establishing Necessity, Standards, and Best Practice for Defining Unobserved Groups</i>
Kyle Dodson	Sociology	<i>The Structure and Sources of Transnational Social Movement Organizations</i>

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Florin Rusu Engineering *Parallel On-Line Aggregation Techniques for big Data Analytics*

Michael Scheibner Physics *Optophononics with Coupled Quantum Dots*

UC Riverside

Amanda Lucia Huffer Religious Studies *Exhibit India: the Aesthetics of Authenticity*

Elisa Franco Mechanical Engineering *Development of Reconfigurable Nanoscale Materials Using Nucleic Acids*

Huiwang Ai Chemistry *Spatiotemporal Control of Metal Ion Signaling with Engineered Fluorescent Proteins*

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Aji Vivek Physics and Astronomy *Physics and Weyl Semimetals*

UC San Diego

John Benjamin Doller Literature *ZIP*

Jesse Russell Driscoll Global Policy And
Strategy *The Provision of Security in Mogadishu: An Observational Study*

Carlos Ariel Guerrero Chemistry-Biochemistry *Synthesis of Daphniglaucin C, a Small Molecule Tool for Studying Tubulin Dynamics*

Dusan Keres Physics *Importance of gas infall and outflows in galaxy evolution*

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Li Fan Lu	Molecular Biology	<i>microRNA in controlling human immunity</i>
Gordon Carlos McCord	International Rel & Pacific Stud	<i>Malaria, Child Mortality, and the Demographic Transition</i>
Christian Metallo	Bioengineering	<i>Systems approaches to connect nutrition, metabolism, and heart disease</i>
Christopher Oveis	Management School	<i>The Prosocial Consequences of Gratitude</i>
Paz Jose Pruneda-Paz	Cell & Developmental Biology	<i>Regulation of the Circadian Clock Function by Pathogen Infections</i>
Sally Sadoff	Management School	<i>The Effect of Charter Schools on Long Term Outcomes</i>

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UCSF

Danielle Hessler Jones	Family and Community Medicine	<i>Identifying Gaps in Care for Younger Adults with Type 2 Diabetes</i>
Loris Hwang	Pediatrics	<i>Cytokine Responses to Genital Chlamydia Trachomatis Infection in Young Women</i>
Felicia Lester	Ob/Gyn & RS	<i>Building an Educational Curriculum and Clinical Capacity Collaboration between UCSF and Malaga Hospital Ob/Gyn Departments</i>
Christina Mangurian	Psychiatry	<i>HIV Testing Rates Among Minority Populations with Severe Mental Illness in California</i>
Susan Meffert	Psychiatry	<i>HIV+ Women, Gender Based Violence and ARV Adherence: Developing and Piloting Mental Health Treatment in Kenya</i>
Rebecca Olin	Hematology/Oncology	<i>Using a Cancer-Specific Geriatric Assessment to Predict Toxicity in Older Patients Undergoing Stem Cell Transplantation</i>

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Madhu Rao	Medicine	<i>The Effects of Sleep Duration on Glucose Levels in Diabetics</i>
Nadia Roan	Urology	<i>Identification of Inhibitors of Semen Amyloids that Markedly Enhance HIV Infection</i>
Srinath Sanda	Diabetes Center	<i>Genetic Variants in Metabolic Genes and Insulin Secretion in Type 1 Diabetes</i>
Marta San Luciano Palenzuela	Neurology	<i>Genetic Forms of Dystonia and Responsiveness to Deep Brain Stimulation: A Pilot Study</i>
Laura Wagner	Community Health Systems	<i>Improving Communication of Adverse Events in Nursing Home Settings</i>

UC Santa Barbara

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2013 University of California Hellman Fellows

David Weld	Physics	<i>Optical and photoacoustic properties of randomly nanostructured films</i>
Dmitri Strukov	Electrical & Computer Engineering	<i>Race logic</i>
Krzysztof Janowicz	Geography	<i>ADL Linked Data Gazetteer</i>
Kate McDonald	History	<i>In Search of Local Color: Travel, Place, and Difference in Imperial Japan</i>
Andrew Griffin	English	<i>Untimely Deaths in the Renaissance Drama: iography, History, Catastrophe</i>

UC Santa Cruz

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Jennifer Horne

Film & Digital Media

Emergent Humanitarian Media, 1917-1936

Sylvanna Falcón

Latin American & Latino
Studies

Expanding the Conceptualization of Human Rights by New Constituencies

Tesla Jeltema

Physics

Using Observations of Large-Scale Structure in the Universe to Probe Models of Dark Matter and Cosmology