

2011 University of California Hellman Fellows

UC Berkeley

Pieter Abbeel	Electrical Engineering & Computer Science	<i>Large-Scale Machine Learning for Connectomics</i>
Duncan Callaway	Energy and Resources Group	<i>How big is the efficiency resource? Scalable evaluation of building energy efficiency potential and performance</i>
Stephanie Carlson	Environmental Science, Policy & Management	<i>Dynamics of a Threatened Organism in a Seasonally Fragmented Stream Habitat</i>
Jacob Dalton	East Asian Languages & Cultures/ South & Southeast Asian Studies	<i>On the Origins and Early Development of Tantra, Buddhist Ritual Manuals from Dunhuang</i>
Damian Elias	Environmental Science, Policy & Management	<i>Mechanisms of Multimodal Integration: An evolutionary approach</i>

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Munis Faruqi	South & Southeast Asian Studies	<i>The Saiyid Barkat Ali Collection in the Re-evaluation of Emporer Aurangzeb's Legacy</i>
Keith Feldman	Ethnic Studies	<i>Special Relationships: Israel, Palestine, and U.S. Imperial Culture</i>
Meridith Fowlie	Agricultural & Resource Economics	<i>Greenhouse Gas Emissions Reductions from Wind Energy: Location, Location, Location?</i>
William Fuchs	Business	<i>Bargaining and Trade in Thin Markets with Private Information</i>
Susanne Gahl	Linguistics	<i>Speaking "Up": Language development in Michael Apsted's "Up" film series</i>
Yury Gorodnichenko	Economics	<i>Genes, socioeconomic outcomes and economic development</i>
Lin He	Molecular & Cell Biology	<i>The molecular mechanisms regulating the organ specificity of tumor metasis</i>

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Carl Kullman	Landscape Architecture & Environmental Planning	<i>Continuously Variable Density: Towards Topographically Sensitive Urbanism</i>
Cindy Looy	Integrative Biology	<i>The Late paleozoic deglaciation and evolution of conifers</i>
Craig Miller	Molecular & Cell Biology	<i>Finding the genes that promote bone gain</i>
Tamara Roberts	Music	<i>Play Good: The Culture and Politics of Urban Women's Drumming Communities</i>
Janelle Perry (Scott)	Education/African American Studies	<i>An Exploratory Study of Teach For America and Civic Engagement</i>
Tina Trujillo	Education	<i>An Exploratory Study of Teach For America and Civic Engagement</i>
Jen-Chywan Wang	Nutritional Science & Toxicology	<i>Mechanisms of Glucocorticoid-induced Insulin Resistance</i>

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Ahmet Yildiz

QB3/Physics

The Control of Intraflagellar Transport in Chlamydomonas Reinhardt II

UC Davis

Keith Baar

Neurobiology, Physiology & Behavior

Making bigger muscles with Mighty and mTOR

Christian Baldini

Music

CD Recording: Vocal and Chamber Works

Marusa Bradac

Physics

Dark Matter, Dark Energy, and First Galaxies Light Up

Siobhan Brady

Plant Biology

The Arabidopsis Root Secondary Cell Wall Gene Regulatory

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Amber Boydston	Political Science	<i>The Nature and Causes of Media Storms</i>
Arne Ekstrom	Psychology	<i>Representation and binding of spatial and temporal memories in human hippocampus</i>
Zhiliang (Julia) Fan	Biological & Agricultural Engineering	<i>Conversion of Cellulosic biomass to isobutanol: process design and economic analysis</i>
Robert Faris	Sociology	<i>The Emergence and Consequences of Scientific Disputes</i>
Cynthia Lin	Agricultural and Resource Economics	<i>An analysis of ethanol investment decisions</i>
Fu Liu	Mathematics	<i>On Ehrhart Polynomials of Polytopes</i>
Scott MacKenzie	Political Science	<i>From Political Pathways to Legislative Folkways: Connecting Institutions, Political Experiences and Legislative Decision-Making</i>

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Stephanie Lee Mudge Sociology *Neoliberalism and Party Politics in an Age of Crisis*

Nina Claire Napawan Environmental Design *Productive Landscapes of the Resilient City*

UCLA

Anurima Banerji World Arts & Cultures *Odissi Dance: Paratopic Performances of Gender, State & Nation*

Lara Dolecek Electrical Engineering *Coding Schemes for Reliable Large-Scale Storage*

Lieba Faier Geography *Collaborations to Fight Human Trafficking to Japan: Working at the Cultural and Institutional Crossroads of Human Rights*

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Allyson Field	Film, Television & Digital Media	<i>The Artist is a Brown Man: The Cross-racial Career of Noble Johnson in American Cinema (1915-1950)</i>
Aisha Finch	Women's Studies	<i>Ruptured Revolutions: Cuban Slaves and the Insurgent Movement of 1843-1844</i>
James Lloyd-Smith	Ecology & Evolutionary Biology	<i>Leptospirosis in California Sea Lions: Testing the Dogma on a Global Disease Problem</i>
Shaily Mahendra	Civil & Environmental Engineering	<i>Biodegradation of Perfluorinated Compounds</i>
Jane Pizzolato	Education	<i>Investigating the Nature and Practicality of Self-Authorship for CalWORKs Participants</i>
Lara Ray	Psychology	<i>Testing a Novel Medication for Methamphetamine Addiction</i>
Brooke Scelza	Anthropology	<i>A Biocultural Study of Listeria Infection among the Himba Pastoralists of Northwest Namibia</i>

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Aparna Sharma	World Arts & Cultures	<i>Independent Film and Media Arts in India's Northeast: Issues and Aesthetics</i>
Ondine von Ehrenstein	Community Health Sciences	<i>Children's Exposure to Pesticides –a Pilot Study in a Rural Agricultural Area of Argentina</i>
UC Merced		
Irene Beattie	Sociology	<i>Academic Interactions and Educational Outcomes Among First Generation College Students</i>
Michael Berman	Earth Systems	<i>Microbial Ecology of Central Valley Air: Examining Community Variability in Time and Space, the Presence of Key Microbial Groups and Transport into the Sierra Nevada</i>
Asmeret Asefaw Berhe	Earth Systems	<i>Establishing of baseline pedological conditions for long-term study on effect of forest management practices on soil organic matter dynamics</i>

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Anna Song	Psychology	<i>Perceptions of Risk, Health Threats, and Anti-Smoking Messages: Translating Theories into Interventions</i>
Holley Moyes	Anthropology	<i>Sleeping Next to the Giant: 2nd Year Investigations of the Las Cuevas Site, Chiquibul Reserve, Belize</i>
UC Riverside		
Anastasios Mourikis	Electrical & Computer Engineering	<i>Personal Navigation in Unknown Environments</i>
Derick Alden Fay	Anthropology	<i>Conservation Science, Policy and Practice in South Africa: Caring for Nature Amidst Inequality and Neoliberalization</i>
Jason D. Weems	History Of Art	<i>Barnstorming the Prairies: Aerial Vision and Modernity in Rural America, 1920-1940</i>

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Katharine M. Sweeny	Psychology	<i>Perceptions of Surgical Experiences</i>
Muhamad Ali	Religious Studies	<i>"From One, Many, From Many, One": A Contentious History of Religious Pluralism in Indonesia</i>
Richard J. Hooley	Chemistry	<i>Control of Molecular Recognition and Molecular Motion at the Nanoscale</i>
Todd A. Fiacco	Cell Biology And Neuroscience	<i>An Astrocytic Basis for Epilepsy</i>
UC San Diego		
Eric Allen	SIO Department	<i>Resisting Protectionism: Voters' and Legislators' Attitudes Toward Globalization During the Current Financial Crisis</i>

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Prashant Bharadwaj	Economics	<i>The Role of Environment in Human Capital Formation</i>
Gabriela Cabarello	Linguistics	<i>Word structure in morphologically complex languages</i>
Pedro Cabrales Arevalo	Bioengineering	<i>Atmospheric ligands instrumentation and technology for biology and medicine</i>
Renkun Chen	Mechanical & Aerospace Engineering	<i>Novel Thermal Interface Materials Based On Copper Nanowires</i>
Alison Coil	Physics	<i>The Spatial Clustering of Distant Galaxies</i>
Sarah Creel	Cognitive Science	<i>Young children's processing of accented speech</i>
Davide Debortoli	Economics	<i>How Credible are Central Banks</i>

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Kirstie Dorr	Ethnic Studies	<i>On Site, in Sound: Globalized Soundscapes in the Late Capitalist Americas</i>
Michael Galperin	Chemistry-Biochemistry	<i>Open molecular systems far from equilibrium</i>
Joseph Hankins	Anthropology	<i>Residues and Contamination: A Social Ecology of Pollution in Japan</i>
Todd Henry	History	<i>Choson Renaissance": The Decolonization of Public Space in Contemporary Seoul, 1945-Present</i>
Mark Jacobsen	Economics	<i>Fuel Economy and Vehicle Fleet Composition</i>
Todd Kemp	Mathematics	<i>Random Matrices in Functional Analysis</i>
Tara Knight	Theatre & Dance	<i>Projected: Spectral Bodies and Environments</i>

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Jill Leutgeb	Neurobiology	<i>Neural-network computations in temporal lobe epilepsy: unraveling the mechanisms that result in memory impairments</i>
Thomas Medvetz	Sociology	<i>The Global Spread of Think Tanks</i>
Gabriel Mendes	Ethnic Studies	<i>A Deeper Science: Richard Wright, Dr. Fredric Wertham and the Fight for Mental Healthcare in Harlem, NY, 1940-1960</i>
Ulrich Muller	Chemistry-Biochemistry	<i>Development of Ribozymes to treat Genetic Disorders</i>
Douglas Nitz	Cognitive Science	<i>Neural basis of altered local versus global processing in the maternal immune activation rat model for autism</i>
Scott Rifkin	Ecology, Behavior & Evolution	<i>Variation and evolution of developmental genetic networks</i>
Ayse Saygin	Cognitive Science	<i>Human Perception of Artificial Agents: Towards a New Turing Test</i>

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Pamela Smith	Management School	<i>Power and decision-making: The role of feasibility and desirability</i>
Jong-Sung You	Global Policy And Strategy	<i>Democracy, Inequality, and Corruption: Korea, Taiwan, and the Philippines Compared</i>
Angela Jie Yu	Cognitive Science	<i>A Neurocognitive and Computational Investigation of Drug use</i>
Junjie Zhang	Global Strategy	<i>Agglomeration Externalities, Carbon Market and Wind Energy in China: A Structural Approach</i>

UCSF

Maria Bleil	Psychiatry	<i>The Pre-Menopausal Origins of Cardiovascular Risk</i>
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Katja Brueckner	Cell & Tissue Biology	<i>Control of Hematopoiesis by the Peripheral Nervous System: A Drosophila Model</i>
Quynh Bui	Family & Community Medicine	<i>Faith-Based Advance Directive Intervention in Chinese and Vietnamese American Buddhist Temples</i>
Denise Chan	Radiation Oncology	<i>Investigating the Radiation Sensitivity of Renal Cancer</i>
Katerina Christopoulos	Medicine	<i>Optimizing Retention in Care for a Vulnerable Urban HIV-Infected Population</i>
DorAnne Donesky Cuenco	Physiological Nursing	<i>Translation of Internet-Enhanced Dyspnea Self-Management Program to Clinical Practice</i>
Ana-Claire Meyer	Neurology	<i>Predictors and Outcomes of HIV-Associated Cognitive Impairment in a Ugandan Cohort</i>
Mary Premenko-Lanier	Experimental Medicine	<i>Extending the Functional Life of the CD8 Effector T Cell</i>

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Neda Ratanawongsa	General Internal Medicine	<i>Health Literacy and Chronic Disease Communication in an Era of Computers in the Room: Pitfalls and Promise</i>
Urmimala Sarkar	General Internal Medicine	<i>Interactive HIT to Promote Ambulatory Safety Among Vulnerable Diabetes Patients</i>
Angela Waldrop	Psychiatry	<i>Executive Dysfunction in PTSD and Alcohol Dependence</i>
UC Santa Barbara		
John Cottle	Earth Science	<i>Beyond plate tectonics: assessing the strength of the crust within large mountain belts</i>
Michael Liebling	Electrical & Computer Engineering	<i>Multi-view 3D flow estimation in the beating embryonic heart</i>

2011 University of California Hellman Fellows

Javier Read de Alaniz	Chemistry	<i>A general approach to the construction of carbon-nitrogen bonds using environmentally benign reaction conditions</i>
Syee Weldeab	Earth Science	<i>Understanding the Impact of Global Climate Change: Insights from the Past</i>
Moses Chikowero	History	<i>African Music, identities and Power: Zimbabwe 1930s-1985</i>
Melissa Morgan	Counseling, Clinical, and School Psychology	<i>The Santa Barbara Wellness Initiative: Response to Teen Suicide in the Latino/a Community</i>
Michael Emmerich	EAST	<i>Replacing the Text: Translation, Canonization, and The Tale of Genji as World Literature</i>
Ann-elise Lewallen	East Asian Languages & Cultural Studies	<i>The Fabric of Indigeneity: Ainu, Clothwork, and Gender in Postcolonial Japan</i>
Teresa Shewry	English	<i>Possible Ecologies: Oceanic Literature and Aesthetics of Hope</i>

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Anne Torsiglieri

Theater and Dance

Lost and Found: An Autism Project

Xiaowei Zheng

History

The Making of Modern Chinese Politics: Political Culture, Protest repertoires, and Nationalism in the Sichuan Railway Protection Movement

UC Santa Cruz

Yiman Wang

Film & Digital Media

Performing Critical Differences – Anna May Wong’s “Yellow Yellowface”

John Jota Leños

Film & Digital Media

Frontera! Animated Histories of the Southwest Borderlands

Neda Atanasoski

Feminist Studies

Publication preparation for Afterimages of Empire: Race, Freedom, and the U.S. Postsocialist Imaginary; and preparation for National Identity and Islam in Bosnia

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Matthew Wagers	Linguistics	<i>Grammatical role assignment in Chamorro language comprehension: Incorporating underrepresented languages in dynamic models of language structure</i>
Dorian Bell	Literature	<i>Frontiers of Hate: Anti-Semitism and Empire in Nineteenth-Century France</i>
Christine Hong	Literature	<i>Legal Fictions: Afro-Asian Human Rights Cultural Production and the Pax Americana in the Pacific Rim</i>
Kathleen Kay	EE Biology	<i>Evolutionary Genetics of Reinforcement: Speciation Mechanisms Between <i>Costus pulverulentus</i> and <i>C. scaber</i></i>
Victoria Auerbuch Stone	METOX	<i>Germ warfare: how <i>Yersinia</i> manipulates its host.</i>
Mayanthi Fernando	Anthropology	<i>On the Muslim Question: Anxieties of the French Secular</i>
Aspen Gorry	Economics	<i>Learning, Multi-worker Firms, and the Cyclicity of Worker Flows</i>

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Eduardo Mosqueda

Education

Linguistic Segregation and Educational Achievement in California's Public Schools

Hector Perla Jr.

Latin American & Latino Studies

Revolutionary Deterrence: U.S. Coercion & Transnational Resistance by Sandinista Nicaragua