

**2012 University of California Hellman Fellows**

**UC Berkeley**

<b>Diliana Angelova</b>	History of Art	<i>Radiocarbon Dating of Byzantine Bone and Ivory Boxes</i>
<b>Clayton Critcher</b>	Business	<i>How Legislating Political Niceness Has Encouraged Political Nastiness</i>
<b>Julianna Deardorff</b>	Public Health	<i>Early adversity exposure and Mexican American adolescents' pubertal development, sexual risk-taking behaviors and substance use</i>
<b>Danielle Ercek</b>	Chemical & Biomolecular Engineering	<i>In vitro nanobioreactors: Investigating the effects of encapsulation on enzyme kinetics</i>
<b>Beate Fricke</b>	History of Art	<i>Life in the making: Creation, procreation and mimesis in the late Middle Ages</i>
<b>Ming Hsu</b>	Business	<i>How does the brain represent brands? Toward a neuroscientific basis of consumer behavior</i>

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<b>Malo Hutson</b>	City and Regional Planning	<i>Deepening Their Roots: The Urban Struggle for Economic, Environmental, and Social Justice</i>
<b>Katerina Linos</b>	School of Law	<i>Rights on the Ground: International Organizations, National Institutions and the Protection of Fundamental Rights</i>
<b>Michael Lustig</b>	EECS/ERSO	<i>Bespoke Coils: High-Sensitivity Flexible MRI Coils via Printed Electronics</i>
<b>Mairi McLaughlin</b>	French	<i>The Origins and Evolution of Journalistic French: From the First Periodical (1631) to the French Revolution (1789)</i>
<b>Holger Mueller</b>	Physics; LBNL	<i>Ultrafast x-rays and ultracold atoms</i>
<b>Mahasin Mujahid</b>	Public Health	<i>The Influence of Neighborhood Environments on Management of Type II Diabetes</i>
<b>Daniel Sargent</b>	History	<i>Making Globalization: Power, Integration, and Governance in the Modern World Economy</i>

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**2012 University of California Hellman Fellows**

**Kyle Steinfeld**

Architecture

*Visualization Tools for Climate-Calibrated Design*

**Michiko Taga**

Plant & Microbial Biology

*Shared Corrinoide Production in Microbial Communities*

**Lauren Williams**

Mathematics

*Applications of combinatorics to statistical physics and integrable systems.*

**UC Davis**

**Rebekka Andersen**

Univ. Writing Program

*Examining the diffusion of component content management in organizations*

**Shota Atsumi**

Chemistry

*Structural and evolutionary approaches to expand metabolism for sustainable chemistry*

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<b>Marissa Baskett</b>	Env. Sci & Policy	<i>Adaptation and dispersal in variable environments</i>
<b>Corrie Decker</b>	History	<i>Sex education and the politics of culture on the Swahili Coast</i>
<b>Georgia Drakakaki</b>	Plant Sciences	<i>Understanding vesicle trafficking during plant cell division using a novel inhibitor endosidin 7</i>
<b>Marc Facciotti</b>	Biomed Eng	<i>Development of low-Cost microfluidic device for chromatin immunoprecipitation followed by next generation DNA sequencing</i>
<b>Nilesh Gaikwad</b>	Nutrition	<i>Estrogen metablome for prediction of breast and other cancers</i>
<b>Christiana Giordano</b>	Anthropology	<i>Migrants in translation: State practices of cultural healing in contemporary Italy</i>
<b>Kyle Joyce</b>	Political Science	<i>Endogenous shocks and International Networks</i>

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<b>Wesley Moons</b>	Psychology	<i>Interracial interactions induce physiological inflammation</i>
<b>Stephen O'Driscoll</b>	Computer Science	<i>Location adaptive wireless power transfer for implantable medical devices</i>
<b>Louie Yang</b>	Entomology	<i>The fitness consequences of phenological shifts in milkweed-monarch interactions</i>

## UCLA

<b>Danijela Cabric</b>	Electrical Engineering	<i>Efficient Spectrum Sharing using Cognitive Radios</i>
<b>Daniela Cusack</b>	Geography	<i>Does Nitrogen Pollution Affect Carbon Cycling in Nitrogen-Rich Tropical Forests</i>

**2012 University of California Hellman Fellows**

<b>Robert Daland</b>	Linguistics	<i>Phonology in Word Segmentation and Recognition</i>
<b>Sung Hui Kim</b>	Law	<i>The Last Nazi Bond and the Early Years of the SEC</i>
<b>Rodney McMillian</b>	Art	<i>from Asterisks in Dockery</i>
<b>Jonathan Mitchell</b>	Earth & Space Sciences	<i>Exploring the Interiors of Ocean Moons</i>
<b>Amy Rowat</b>	Integrative Biology & Physiology	<i>The Molecular Origins of Cell Nucleus Shape Stability</i>
<b>Donatello Telesca</b>	Biostatistics	<i>Statistical Methods for the Analysis of Adverse Symptoms Co-occurrence in Breast Cancer Patients</i>
<b>Aradhna Tripathi</b>	Earth & Space Sciences	<i>How have Changing Carbon Dioxide Levels Influenced Climate in the Past?</i>

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<b>Nico Voigtlaender</b>	Anderson School of Management	<i>The Geography of Hate: Historical Roots of Anti-Semitism in 21st Century Germany</i>
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UC Merced

<b>Rose Scott</b>	Developmental Psychology	<i>Can babies read minds? A developmental account of understanding others</i>
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<b>Nigel Hatton</b>	Literature	<i>A Novel Idea: Global Human Rights and World Literature After 1945</i>
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<b>Néstor J. Oviedo</b>	Biology	<i>Systematic Targeting of Signaling Pathways to Control Stem Cell Behavior During Regeneration and Cancer</i>
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<b>Teamrat Ghezzehei</b>	Soils Physics	<i>Acquisition of AOC-5000 Front End Automation Headspace Autosampler to be used with Gas Chromatography (GC) Unit from ShimadzuTM (GC-2014 Greenhouse Gas analyzer)</i>
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<b>Haifong Huang</b>	Political Sciences	<i>Information Order in a Changing Society: The Political Economy of Mass Media and Public Opinion in China</i>
<b>Yanbao Ma</b>	Engineering	<i>Environmental Impacts of Solar Energy Development in Arid and Semi-Arid Areas</i>
<b>UC Riverside</b>		
<b>Annmaria M. Shimabuku</b>	Comparative Literature & Foreign Languages	<i>Transnational Miscegenation in Okinawa: Governmentality from Below</i>
<b>Caroline Roper</b>	Plant Pathology & Microbiology	<i>Understanding How Bacteria Shape their Complex Multi-Cellular Community Architecture</i>
<b>Huinan Liu</b>	Bioengineering	<i>Assessment of Novel Resorbable Implants using a Functional Animal Model</i>



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**2012 University of California Hellman Fellows**

<b>Kendra Taira Field</b>	History	<i>Race and American Expansion in the Long Nineteenth Century</i>
<b>Li Fan</b>	Biochemistry	<i>Structural and Functional Studies of DNA Helicase XPB and its Roles in Transcription and DNA Repair</i>
<b>Susan J. Laxton</b>	Art History	<i>Book Project: Paris as Gameboard: Ludic Strategies of the Avant-Garde</i>
<b>Weihsin Gui</b>	English	<i>Cold War Cultural Politics in British and Commonwealth Literature, 1956-1992</i>

**UC San Diego**

<b>Claire L. Adida</b>	Political Science	<i>The Political Implications of Ethnic Ambiguity in Africa</i>
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**2012 University of California Hellman Fellows**

<b>Rommie E. Amaro</b>	Chemistry-Biochemistry	<i>CompChemBioCAMP: Explore – Discover – Excel: A Diversity and Outreach Program in Computational Chemistry and Biophysics</i>
<b>Saba Bazargan</b>	Philosophy	<i>Toward a Reductive Framework for the Morality of War</i>
<b>Alina Ioana Bucur</b>	Mathematics	<i>Arithmetic Statistics and Multiple Dirichlet Series</i>
<b>Kamalika Chaudhuri</b>	Cmptr Sci & Engrng	<i>Designing Data Analysis Tools with Provable Privacy</i>
<b>Juan Carlos Del Alamo</b>	Mechanical & Aerospace Eng	<i>Clinical And Computational Analysis Of Fluidic Synchrony In Ventricular Filling</i>
<b>Joseph D. Hankins</b>	Anthropology	<i>Residues and Contamination: A Social Ecology of Pollution in Japan</i>
<b>Sara Kaplan</b>	Ethnic Studies	<i>Reproducing Slavery: Blackness, Feminism, and the Politics of Freedom</i>

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**2012 University of California Hellman Fellows**

<b>Carolyn M. Kurle</b>	Ecology, Behavior & Evolution	<i>Determination of Terrestrial, Anthropogenic Sources of Nearshore Pollution in Coastal California using Stable Nitrogen and Carbon Isotope Analysis</i>
<b>Nancy Kwak</b>	History	<i>Homeownership For All: American Power and the Politics of Housing Aid post-1945</i>
<b>John McMurria</b>	Communication	<i>Citizenship on the Wire: Cable Television and Public Cultures, 1948-1984</i>
<b>Thomas Matthew Medvetz</b>	Sociology	<i>A Socio-biographical Study of David Foster Wallace</i>
<b>Ulrich Friedrich Muller</b>	Chemistry-Biochemistry	<i>Development of Ribozymes to treat Genetic Disorders</i>
<b>Paul Niehaus</b>	Economics	<i>Understanding peer-to-peer investment advice</i>
<b>Francesco Paesani</b>	Chemistry-Biochemistry	<i>CO2 capture in metal-organic frameworks under flue gas conditions: Molecular modeling and simulation</i>

**2012 University of California Hellman Fellows**

<b>Katharina U. Rosenberger</b>	Music	<i>Viva Voce - interactive sound and video installation</i>
<b>Daphne Taylor-Garcia</b>	Ethnic Studies	<i>Imagined Continents: Racialized Sexuality, Colonialism and Print Capital</i>
<b>Irina A. Telyukova</b>	Economics	<i>Housing in Retirement: A Cross-Country Analysis</i>
<b>Navtej Singh Toor</b>	Chemistry-Biochemistry	<i>Group II Intron Structure and Function</i>
<b>Kalindi Ann Vora</b>	Ethnic Studies	<i>Life Support: Vital Exchange Between India and the U.S.</i>
<b>Jie Xiang</b>	Elect & Computer Eng	<i>Characterization of High Speed, Low Voltage Nanowire Nanoelectromechanical Field Effect Transistor (NW-NEMFET) with High-k Dielectrics</i>
<b>K. Wayne Yang</b>	Ethnic Studies	<i>Community Cartographies</i>

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UCSF

<b>Stacey Anderson</b>	Social and Behavioral Sciences	<i>Tobacco Industry Strategies for Targeting and Retaining Older Female Smokers</i>
<b>Sonia Bonifacio</b>	Pediatrics/Neonatology	<i>Impact of Implementing Neonatal Neurocentral Care on Outcomes After Acute Neurological Illness in Neonates</i>
<b>Christine Dehlendorf</b>	Family and Community Medicine	<i>A Theory-Informed Investigation of Contraceptive Counseling Dynamics</i>
<b>Elvin Hsing Geng</b>	Medicine	<i>Connecting the Dots from Evidence to Practice in HIV/TB Care in East Africa</i>
<b>Sheri Lippman</b>	Medicine/CAPS	<i>Towards a Rigorous Measure and Framework of Community Mobilization</i>
<b>Sabine Mueller</b>	Neurology	<i>Using Mobile Health Platforms to Characterize Long-Term Side Effects in Children with Brain Tumors</i>

**2012 University of California Hellman Fellows**

<b>Josette Rivera</b>	Geriatrics	<i>An Observational Study on How and with What Skills Health Professions Students Approach Interprofessional Education</i>
<b>Shomyseh Sanjabi</b>	Gladstone Institute	<i>Mucosal Anti-viral Immune Responses</i>
<b>Catherine Smith</b>	Hematology/Oncology	<i>Investigating FLT3 Activating Mutations in AML</i>
<b>Carolyn Sufrin</b>	Ob/Gyn & Reproductive Sciences	<i>Incarcerated Women and Their Reproductive Lives</i>
<b>Kathleen Tebb</b>	Pediatrics	<i>Health-E You: Effectiveness of an Interactive, Individually Tailored Mobile Health Application to Improve Adolescents Knowledge and Access to Longer Acting Reversible Contraceptives</i>

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**UC Santa Barbara**

<b>Katie Byl</b>	Electrical & Computer Engineering	<i>Experimental Verification of Tuned-Impedance Methods for Hummingbird-Scale Flapping-Wing Robots</i>
<b>Cenke Xu</b>	Physics	<i>Topological states of matter and Exotic Quantum critical points</i>
<b>Danielle Harlow</b>	Education	<i>Children's Engineering Design Thinking</i>
<b>Christina McMahon</b>	Theater and Dance	<i>Re-Casting Transnationalism through Performance: Theatre Festivals in Cape Verde, Mozambique, and Brazil</i>
<b>Amit Ahuja</b>	Political Science	<i>Building National Armies in Multiethnic States</i>

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**UC Santa Cruz**

<b>Megan Moodie</b>	Anthropology	<i>Genomic research: benefits and drawbacks</i>
<b>Dejan Milutinović</b>	Applied Mathematics & Statistics	<i>Motion Capturing System for Real-Time Control of Indoor Robots</i>
<b>Ian Garrick-Bethell</b>	Earth & Planetary Sciences	<i>Lunar Impactors: A Low Cost Robotic Mission to Study Lunar Magnetism and Surface Water</i>
<b>Rita Mehta</b>	EE Biology	<i>Assessing the potential importance of the California moray in structuring kelp forest communities around Catalina Island</i>
<b>Irene Lusztig</b>	Film & Digital Media	<i>Lessons for Imminent Motherhood</i>
<b>Shannon Gleeson</b>	Latin American & Latino Studies	<i>Rights in Theory, Rights in Practice: Unpacking the Individual and Institutional Elements of Enforcing Worker Rights</i>



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**Mark Massoud**

Politics

*Law in Conflict: Legal Activism and the Rule of Law in War-afflicted Regions*