

2004 University of California Hellman Fellows

UC Berkeley

Sharon Amacher	Molecular and Cell Biology: Genetics and Development	<i>Fishing the genome for transcription factor targets and cis regulatory code</i>
Ozlem Ayduk	Psychology	<i>Continuities in children's ability to delay gratification across the life span</i>
Laurent Coscoy	Molecular and Cell Biology: Immunology	<i>A novel family of E3-ubiquitin ligases regulates the expression of key components of the immune system</i>
Marian Feldman	Near Eastern Studies	<i>The Shared Culture of Wall Painting in the Eastern Mediterranean, 2000-1500 BC</i>
Matthew Francis	Chemistry	<i>Modified Viral Capsids as Targeted Delivery Vectors for Anticancer Agents</i>
Anne-Lise Francois	English	<i>Open Secrets: The Literature of Uncounted Experience</i>

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Jay T. Groves	Chemistry	<i>Surface chemistry on cell membranes</i>
Carla Hudson Kam	Psychology	<i>The domain specificity of learning mechanisms and regularization: Is it really just language?</i>
Alessandra Lanzara	Physics	<i>Unlocking the Mystery of Materials at the Nanoscale by Enhancing the Investigation of Electronic Structure</i>
Song Li	Bioengineering	<i>Engineering of Functional Muscle in vitro Using Mesenchymal Stem Cells and Micropatterned Polymers</i>
Maria Mavroudi	History	<i>Bilingualism in Greek and Arabic: Evidence from the Manuscripts</i>
James O'brien	Electrical Engineering & Computer Science	<i>Combined Audio and Visual Simulation for Synthetic Environments</i>
Isha Ray	Energy and Resources Group	<i>From wells to well-being? Water for women in the developing world</i>

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Bryan Wagner	English	<i>Disturbing the Peace: Black Vagrancy and the Grounds of Racial Differences</i>
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UC San Diego

Frank Biess	History	<i>First Project: "Beyond Defeat: Returning POWs and the Making of East and West German Citizens" Second Project: "Imagining Catastrophe: German War Scars in the 20th Century"</i>
Michael Burkart	Chemistry-Biochemistry	<i>Antibiotic Design to Target Mycobacterial Virulence Factors</i>
Richard Cohen	Literature	<i>Beyond Enlightenment</i>
Gary Fields	Communication	<i>TERRITORIES OF POWER: Walls and the Remaking of Borderlands in Israel/Palestine and California/Mexico</i>

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David Holway	Ecology, Behavior & Evolution	<i>Causes of Argentine Ant Invasions: A Native and introduced Range Comparison</i>
Tracy Johnson	Molecular Biology	<i>Pre-messenger RNA splicing and the coordinated network of gene expression machineries</i>
Andrew Lakoff	Sociology	<i>Bio-Security Scenarios: Planning for an Uncertain Threat</i>
Weijing Lu	History	<i>True to their Word: The Faithful Maiden Cult in late Imperial China</i>
Shayan Mookherjea	Elect & Computer Eng	<i>Nanostructure Engineering of Guided-wave Interactions for Linear and Nonlinear Photonics Devices</i>
Katerina Semendeferi	Anthropology	<i>Neural Correlates of Social Cognition in Humans and Apes</i>
Michael Todd	Structural Engineering	<i>Using “Noise” to Assess Structural Health</i>

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UCSF

Andrew Auerbach	Hospitalist	<i>Biomarkers for Surgical Risk Prediction</i>
Mary Beattie	General Internal Medicine	<i>Endogenous Sex Hormones, Breast Cancer Risk, and Response to Tamoxifen</i>
Elissa Epel	Psychiatry	<i>Chronic Stress and Cellular Aging in Maternal Caregivers</i>
Jennifer Gorman	Medicine	<i>Impact of Etanercept in treatment of ankylosing spondylitis</i>
Biljana Novakovic Horn	Pediatrics BMT	<i>Feasibility Study of Preemptive Withdrawal of Immunosuppression Based on Chimerism Testing in Children Undergoing Myeloablative Allogeneic Transplantation for Hematologic Malignancies</i>

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Jill Howie Esquivel	Physiological Nursing	<i>Predictors for Re-hospitalization and Mortality in Heart Failure Patients</i>
Margot Kushel	General Internal Medicine	<i>Improving Health Care Outcomes in Homeless Populations</i>
Barbara Panning	Biochemistry & Biophysics	<i>Xist RNA and X Chromosome Inactivation</i>
Darya Soto	Pulmonary	<i>The Tumor Microenvironment in Mice with Adenocarcinoma</i>
Phyllis Tien	Medicine-VAMC	<i>Steatosis Quantification in HIV/HCV Co-infected Women Using Histologic Grading and Magnetic Resonance Spectroscopy of Liver Tissue from a Liver Biopsy</i>