

2007 University of California Hellman Fellows

UC Berkeley

Sabrina Agarwal	Anthropology	<i>Understanding Bone Maintenance and Fragility over the Life Course in a Neolithic Archaeological Population</i>
Gregory Barton	Molecular and Cell Biology - Immunology	<i>Identification of mechanisms preventing autoimmunity due to Toll-like reception activation by self nucleic acids</i>
Deborah Blocker	French	<i>How "art" became "art": discourses on the "arts" in early modern Europe (1500-1800)</i>
Joshua Bloom	Astronomy	<i>Studying Black Hole Growth: A New Window with New Surveys</i>
Jose Carmena	Electrical Engineering & Computer Sciences	<i>Sensori-motor neuroprosthesis for the neurologically impaired</i>
Fotini Chow	Civil and Environmental Engineering	<i>Atmospheric boundary layer dynamics over complex terrain: turbulent processes and land-surface forcing</i>

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Hillary Elfenbein	Business	<i>On the Intuition That Some Negotiators Are Better Than Others</i>
Victoria Frede	History	<i>The Making of Russian Atheism, 1780-18705</i>
Arash Komeili	Plant & Microbial Biology	<i>Bio mineralization of Magnetic Minerals in Bacteria</i>
Claire Kremen	Environmental Science, Policy & Management	<i>How does biological diversity promote ecosystem services: a mechanistic study of almond crop pollination in a changing California landscape</i>
Lance Kriegsfeld	Psychology	<i>Impact of Chrono-Neuroendocrine Disruptions on Adult Neurogenesis and Cell Death</i>
Abena Osseo-Asare	History	<i>Bitter Roots: Medicine, Markets and the Search for Healing Plants in Africa</i>
Sheila Patek	Integrative Biology	<i>Evolutionary physiology of communication in the sea</i>

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Rachel Segalman Chemical Engineering

Nanopatterning Organic Photovoltaics

Irfan Siddiqi Physics

Single Molecule Magnetometry: A Route to Testing the Limits of Quantum Mechanics

Sandra Smith Sociology

Exploring Racial and Ethnic Differences in the Mobilization of Social Resources for Job-Finding

Elizabeth Wymore Theater, Dance & Performance Studies

Immersive Choreography: The expansion of perceptual and haptic formations of the body in relationship to real and virtual worlds through the development and analysis of

**UC San
Diego**

Stephan Anagnostaras Psychology

Memory Processes in Stimulant Addiction

Amelia Glaser Literature

Trading Tales: Literary Exchange in the Pale of Settlement

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Alexander Hoffmann	Chemistry-Biochemistry	<i>A Mathematical Model of the NF-κB Signaling System</i>
Gerald Mackie	Political Science	<i>Resolving the Paradox of Nonvoting: A Contributory Account</i>
Isaac Martin	Sociology	<i>Exit and Voice in Behavioral Responses to Taxation</i>
Terunaga Nakagawa	Chemistry-Biochemistry	<i>Deciphering the Molecular Anatomy of the Glutamate Receptor Complexes in the Central Nervous System Synapse</i>
Kwai Ng	Sociology	<i>The Common Law in Two Voices: Language, Law, and the Post-Colonial Predicament of Hong Kong</i>
Maho Niwa	Molecular Biology	<i>Activation Mechanisms of Ire1 RNase, a Major UPR Inducer</i>
Rebecca Plant	History	<i>Governing the Unconscious: American Psychiatry and War Trauma during World War II</i>

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Joseph Pogliano Molecular Biology *Molecular Mechanisms of a Prokaryotic Tubulin-Based Mitotic Machine*

Deli Wang Elect & Computer Eng *Highly Efficient Semiconductor Nanowire Array Solar Cells*

UCSF

Aditi Bhargava Surgery *Stress and Altered Intestinal Permeability and Immunity: Role of Corticotropin Releasing Factor*

Nancy Burke Cancer Center *Filipina Participation in Breast Cancer Support Groups: A Comparative Study*

Li Gan Neurology *The Role of Cathepsin B in Alzheimer's Disease*

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Kirsten Bibbins-Domingo	General Internal Medicine	<i>Biomarkers for the Diagnosis of Heart Failure in Young Adults</i>
Jyu-lin Chen	Family Health Care Nursing	<i>Web-Based Active Balance Childhood Study in Chinese-American (Web ABC Study): A Randomized Clinical Trial</i>
John Gross	Pharmaceutical Chemistry	<i>Dynamics and Control of mRNA Decapping by Dcp2</i>
Anda Kuo	Pediatrics	<i>Advancing the Impact of a Residency Program that Promotes Physician Leadership</i>
Karen Meckstroth	Obstetrics, Gynecology & Reproductive Sciences	<i>A Double Blinded, Randomized Control Trial Comparing Intravenous Moderate Sedation and Oral/Sublingual Analgesia/Anxiolysis for First Trimester Surgical Abortions</i>
Melanie Ott	Gladstone Institute	<i>Characterization of a Mitochondria-Specific Stress Response Induced by the Core Protein of Hepatitis C Virus</i>
Diane Rittenhouse	Family & Community Medicine	<i>Determining the Effect of Care Management Processes for Chronic Illness and Preventive Care on Patients with Commercial Insurance and Medicaid Insurance Within a Large Organized Delivery System</i>

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