Hellman Family Faculty Fund

Current and Past award Recipients
1995-2020
Table of Contents

2020 Award Recipients ........................................................................................................... 2
2019 Award Recipients ........................................................................................................... 4
2018 Award Recipients .......................................................................................................... 5
2017 Award Recipients .......................................................................................................... 6
2016 Award Recipients .......................................................................................................... 7
2015 Award Recipients .......................................................................................................... 9
2014 Award Recipients ......................................................................................................... 11
2013 Award Recipients ......................................................................................................... 13
2012 Award Recipients ......................................................................................................... 15
2011 Award Recipients ......................................................................................................... 17
2010 Award Recipients ......................................................................................................... 19
2009 Award Recipients ......................................................................................................... 21
2008 Award Recipients ......................................................................................................... 23
2007 Award Recipients ......................................................................................................... 25
2006 Award Recipients ......................................................................................................... 27
2005 Award Recipients ......................................................................................................... 28
2004 Award Recipients ......................................................................................................... 29
2003 Award Recipients ......................................................................................................... 30
2002 Award Recipients ......................................................................................................... 31
2001 Award Recipients ......................................................................................................... 32
2000 Award Recipients ......................................................................................................... 33
1999 Award Recipients ......................................................................................................... 34
1998 Award Recipients ......................................................................................................... 35
1997 Award Recipients ......................................................................................................... 36
1996 Award Recipients ......................................................................................................... 37
1995 Award Recipients ......................................................................................................... 38
2020 Award Recipients

Rebecca Abergel, Nuclear Engineering, Targeted Design of New Radionuclide-Based Antimicrobial Therapeutics

Patrick Bradshaw, Public Health, Body Composition and Cardiovascular Disease in African-American and White Adults

Dennis Feehan, Demography, Interpersonal Contact in the US during the COVID-19 Pandemic


Grace Gu, Mechanical Engineering, Bioprinting nature: Design and Fabrication of Novel Synthetic Tissues Using Artificial Intelligence

Atreyee Gupta, Art History, Non-Aligned: Decolonization, Modernism, and the Third World Project, India ca. 1930–1960

Erin M. Kerrison, School of Social Welfare, Mixed-Method Analysis of Contemporary Desistance & Recidivism

Celeste Kidd, Psychology, Interventions to Slow the Adoption of Misinformation

Kranthi Mandadapu, Chemical and Biomolecular Engineering, Coupled Electrical-chemical-mechanical Aspects in Action Potential Generation and Propagation in Neurological Signaling Mediated by Lipid Membranes

Christopher Muller, Sociology, The Political Economy of Mass Incarceration

Steven Piantadosi, Psychology, Compute Resources for Computational Models of Development

Teresa Puthussery, Optometry, Understanding the Functions of the Diverse Output Neurons of the Human Retina

Albert Ruhi, Environmental Science, Policy & Management, Drought on Riverine Networks: How Does Flow Intermittency Disrupt Stream Ecosystem Processes?

Maria Sonevitsky, Music, Lullabies for Lenin: Soviet Children, Music, and the Communist Future
Koushil Sreenath, Mechanical Engineering, PDE-based Dynamics and Control for Fire Fighting using a Flying Fire Hose

Ronit Stahl, History, Troubling Conscience: Religious Freedom and Health Care in Modern America

Hannah Stuart, Mechanical Engineering, Reassessing Human Dexterity as a Framework for Assistive Technology Design

Peter Sudmant, Integrative Biology, Probing the Fidelity of Chromatin Structure in Aging at the Single Cell Level

William Tuten, Optometry, Advanced Optical Systems for Measuring Vision at the Cellular Level in the Human Eye

William White, Anthropology, Digitizing Black Heritage through Collaborative Archaeology

2019 Award Recipients

David Bamman, Electrical Engineering and Computer Science, Representation Learning for the Discovery of Musical Influence

Anna Livia Brand, Landscape Architecture and Environmental Planning: Claiborne on the Verge: The Black Mecca in 21st Century America

Courtney Dressing, Astronomy, Characterizing Planetary Systems Orbiting Nearby Stars

Rebecca Herman, History, Antarctica, Latin America, and the Global South

Asma Kazmi, Art Practice, Beyond the Seas Blue

Britt Koskella, Integrative Biology, The Impact of Agriculture on Microbiome-mediated Protection Against Pathogens

David Limmer, Chemistry, Path Integral Molecular Dynamics Simulations of Hybrid Halide Perovskites


Rikky Muller, Electrical Engineering and Computer Science, Networks of Neural Dust

Yi-Ren Ng, Electrical Engineering and Computer Science, Oz Vision: New Principles for Color Display and an Experimental Platform for Neuroscience

Jason Okonofua, Psychology, Empathic Discipline and Respect in K-12 Schooling

Caitlin Rosenthal, History, The Business of Business Education

Simon Schleicher, Architecture, Robotic Fabrication and Construction in Architecture

Daniel Stolper, Earth and Planetary Science, The Past as the Key to Our Warm Future: Using the Rock Record to Predict Climate Change

Dmitry Taubinsky, Economics, The Behavioral Economics of State-Run Lotteries
2018 Award Recipients

Joshua Blumenstock, Information, Evaluating Community Cellular Networks: How Does Mobile Connectivity Affect Isolated Communities?

Carl Boettiger, Environmental Science, Policy, and Management, Big Data, Big Uncertainty: Ecological Decision Theory for the 21st Century

Anne Collins, Psychology, Learning value from goals

Danika Cooper, Landscape Architecture and Environmental Planning, Waving a Magic Wand: Contemplating the Future of Water Management in Phoenix, Arizona

William Fithian, Statistics, Interactive Data Analysis and Replicability

Sanjam Garg, Electrical Engineering and Computer Sciences, Towards Cryptography from Minimal Assumptions

Laura Lammers, Environmental Science, Policy, and Management, Optimizing phosphorus recovery and reuse for agrifood sustainability

Arthur Middleton, Environmental Science, Policy, and Management, Evaluating patterns of puma predation to reduce human-wildlife conflicts in Patagonia

Raluca Ada Popa, Electrical Engineering and Computer Sciences, Enabling collaborative analytics on private data

Avani Sood, Law, What’s So Special About General Verdicts? Experimentally Exploring the Legal and Psychological Consequences of Special Versus General Verdicts in Criminal Law

Mahesh Srinivasan, Psychology, Reasoning about Religious Norms

Hayden Taylor, Mechanical Engineering, Processes for manufacturing 3D structures in very soft polymeric materials

Dan Weisz, Astronomy, Uncovering the Origin of the Elements

Emily Zazulia, Music, Theorizing Difficulty in Late-Medieval Music
2017 Award Recipients

David Anthoff, Energy and Resources Group, Social Cost of Carbon Estimation for Climate Policy

Mathijs de Vaan, Business, The social structure of the opioid epidemic

Iryna Dronova, Landscape Architecture & Environmental Planning, Urban resilience to intensifying heat under different climatic and socioeconomic contexts

Ellen Evers, Business, Understanding collecting

Hernan Garcia, Molecular & Cell Biology, The Dynamical Embryo: Technology for a Movie-Based View of Developmental Biology

Stephan Lammel, Molecular & Cell Biology, An ethological approach towards understanding the effects of chronic stress in the brain

Anneka Lenssen, History of Art, Being Mobilized: The Arts of Modernist Enlivening in Syria and the Arab East, 1930-1967

Aila Matanock, Political Science, Invited Intervention: A Mechanism for Rule of Law in Weak States

Baoxia Mi, Civil and Environmental Engineering, Artificial Evapotranspiration for Seawater Desalination

James Olzmann, Nutritional Sciences & Toxicology, Cellular mechanisms to regulate fuel storage and mobilization

James Sallee, Agricultural and Resource Economics, Heterogeneity, Equity, and Energy Policy

Elena Schneider, History, The Occupation of Havana: War, Trade, and Slavery in the Eighteenth-century Atlantic World

Rachel Stern, Law, Judicial Transparency in China

Matthew Traxler, Plant & Microbial Biology, Mining Unexplored Microbiomes for Antibiotics Discovery using Mass Spectral Imaging
2016 Award Recipients


Helen Bateup, Molecular & Cell Biology, Modeling neurodevelopmental disorders using human cortical organoids

Thomas A. Courtade, Electrical Engineering & Computer Sciences, An Information-Theoretic Approach for Improving Speed and Reliability of DNA Assembly

Victor Couture and Benjamin Faber, Business, Economics, The Gains from Online Integration: Evidence from County-Level Panel Data in China

Kathryn De Master, Environmental Science, Policy and Management, Buying the Farm: The Financialization of Rural America

Stephanie Jones-Rogers, History, Seaborne: African Captivity, Pregnancy, Childbirth, and Belonging in the Middle Passage

Ming Leung, Business, Casting a wider net: An investigation into whether having more women apply to male dominated jobs will improve the gender imbalance

Christopher Palmer, Business, Who Benefitted from the Federal Reserve’s Unconventional Monetary Policy?

Sugata Ray, Art History, Geoaesthetics in the Little Ice Age: Sensorium, Sacrament, and Artistic Cultures in Braj, ca. 1550–1850

Tina Sacks, Social Welfare, The Long Reach of the Tuskegee Syphilis Study: Exploring Trauma and Resilience Among Study Descendants

Poulomi Saha, English, Object Imperium and Global Theory Collaboration

Kaoru Saijo, Molecular & Cell Biology, Effects of environmental factors and sex hormones on major depression disorders

Daniel Schneider, Sociology, The Effects of Work Hour Instability on the Wellbeing of Workers and their Families: Evidence from Changes in Company Practices and Law
Ian Wang, Environmental Science, Policy and Management, *Genomic Responses to a Century of Climate Change in California*

Caroline Williams, Integrative Biology, *Balancing supply and demand: modulation of energy efficiency during life history evolution*

Danny Yagan, Economics, *College and Intergenerational Mobility: New Evidence from Administrative Data*
2015 Award Recipients

Charisma Acey, City & Regional Planning, Exploring the Human Right to Water Paradigm in Urban and Peri-Urban Water Governance

Anil Aswani, Industrial Engineering and Operations Research, Addressing Food Insecurity in Underserved Communities Using Operations Research

Daylet Dominguez, Spanish & Portuguese, Ethnography, Literature, and National Projects in the Hispanic Caribbean

Aaron Fisher, Psychology, Isolating hyperarousal in PTSD: Targeting potential sources of physiologic dysregulation


Peter Jenks, Linguistics, A Database and Grammar of Moro

Lauren Kroiz, History of Art, Cultivating Citizens: The Regionalist Work of Art in the New Deal Era

Laurel Larsen, Geography, Quantifying the importance of groundwater for fish habitat in California’s intermittent streams

Lisa Maher, Anthropology, (Re)Constructing and Using Space in Prehistory: Exploring Technologies, Domestic Activities and Communal Living at a 20,000-Year-Old Hunter-Gatherer Site in Jordan

Angela Marino, Theater, Dance & Performance Studies, Fiesta Performance and Governance

Evan Miller, Chemistry, New Chemical Tools for Optically Recording Neuronal Activity

Saira Mohamed, School of Law, The Law and Culture of Disobeying Illegal Orders

Scott Moura, Civil & Environmental Engineering, Optimally Fast-Safe Battery Charging via Pseudospectral Methods

Grace O’Connell, Mechanical Engineering, Effect of disc herniation repair on tissue remodeling and joint function

Andrea Roth, School of Law, An Investigation of the Emerging Police Practice of Maintaining Local Databases of “Volunteered” and “Abandoned” DNA
Alexandra Saum-Pascual, Spanish and Portuguese, *Hispanic Legacies: The Trace of Experimental Writing in Spain and Latin America (An Electronic Literature Project)*

Nicholas Swanson-Hysell, Earth and Planetary Science, *Did Earth lose its balance 800 million years ago? Testing the planetary reorientation hypothesis using the Zavkhan Volcanics of Mongolia*

Lisa Trever, History of Art, *Ancient Andean Art, Archaeology, and Molecular Science*

Ke Xu, Chemistry, *Spectrally resolved multicolor super-resolution microscopy*

Jie Yao, Materials Science & Engineering, *New Material Platform for Future Smart Windows*

Wenjun Zhang, Chemical & Biomolecular Engineering, *Biosynthesis of tagged natural products and their applications*
2014 Award Recipients

Reza Alam, Mechanical Engineering, *Mitigating Epileptic Seizures via Localization: Theory and Experiment*

Timothy Clarke, Department of Philosophy, *Aristotle and Parmenides*

Nadia Ellis, Department of English, “Archives of the Non-Racial” and the Diasporic City

Seth Finnegan, Integrative Biology, *Comparative energetics of tropical marine mollusk communities in space and time*

Stavros Gadinis, School of Law, *Global Technocrats: The Spread of International Standards*

Mariska Kriek, Department of Astronomy, *The Origin and Fate of Compact Quiescent Galaxies in the Early Universe*

Alastair Lawrence, Haas School of Business, *SEC Comment Letters and Investor Inattention*

Polina Lishko, Molecular & Cell Biology, *Investigating the role of the BK potassium channel in asthma*

Thomas Maimone, Department of Chemistry, *New Synthetic Strategies Directed Toward Neurologically Active Natural Products*

David Marno, Department of English, "Holy Attention: Religious Origins of a Secular Concept"

G. Christina Mora, Department of Sociology, *Latino Migration and Classification*

Gabriel Orebi Gann, Department of Physics, *Towards Large-Scale Dark Matter Detection*

Diego Pirillo, Department of Italian Studies, *Renaissance Intelligencers: Information, Persecution and the Making of Modern Diplomacy*

Carolina Reid, City and Regional Planning, *The Intent, Implementation and Impact of the Community Reinvestment Act*

Erica Rosenblum, Environmental Science, Policy & Management Anthropology, *A genomic approach to understanding emerging diseases of wildlife*

Shawn Shadden, Mechanical Engineering, *Simulating cerebral autoregulation: A gateway to modeling stroke*
Valerie Shapiro, School of Social Welfare, Reducing mental, emotional, and behavioral problems in youth through prevention services: Understanding the growth of protective factors to guide service delivery

Sarah Stanley, School of Public Health, Understanding the role of nitric oxide signaling during M. tuberculosis infection

Sally Thompson, Civil & Environmental Engineering, Could restoring the pre-European fire regime increase the resilience of water supply and forests in the Sierra Nevadas?
2013 Award Recipients

Dana Carney, Haas School of Business, The Incredible Power of Ordinary, Everyday Nonverbal Cues

Abigail De Kosnik, Theater, Dance and Performance Studies, FanData: Counting Archives and Networks


Brett Green, Haas School of Business, Overcoming product market frictions in poor countries

Darya Kavitskaya, Slavic Languages and Literature, The Documentation of the Northern Dialect of Crimean Tatar

Richard Koci Hernandez, School of Journalism, The Cannon and the Flower: War, a family and the transcendent power of music [A Study of Transmedia]

Yaniv Konchitchki, Haas School of Business, Taking the Pulse of the U.S Economy Using Financial Statement Analysis and Stock Market Returns

Panos Patatoukas, Haas School of Business, Taking the Pulse of the U.S Economy Using Financial Statement Analysis and Stock Market Returns

Daniel Nomura, Nutritional Science and Toxicology, Massively Parallel Mapping of Dysregulated Oncogene-Driven Metabolic Pathways in Cancer

Tapan Parikh, School of Information, Local Ground-Increasing Youth Data Literacy Using Contextually Grounded Mapping and Visualization Tools

Matthew Potts, Environmental Science, Policy and Management, Conservation of biodiversity in working tropical landscapes

Elizabeth Purdom, Statistics, Statistical Methods for the Clustering of mRNA-seq Data


Namwali Serpell, English, Faces

Jun Sunseri, Anthropology, Tshimbupfe-Berkeley Collaborative Archaeology Project

Emily Thornbury, English, *Rebuilding Anglo-Saxon Texts*
2012 Award Recipients

Michael Anderson, Agricultural and Resource Economics, *The Effects of Car Ownership on Locational Choice, Earnings, Energy Usage, and Health*

Diliana Angelova, History of Art, *Radiocarbon Dating of Byzantine Bone and Ivory Boxes*

Clayton Critcher, Haas School of Business, *How Legislating Political Niceness Has Encouraged Political Nastiness*

Julianna Deardorff, School of Public Health, *Early adversity exposure and Mexican American adolescents’ pubertal development, sexual risk-taking behaviors and substance use*

Danielle Ercek, Chemical and Biomolecular Engineering, *In vitro nanobioreactors: Investigating the effects of encapsulation on enzyme kinetics*

Beate Fricke, History of Art, *Life in the making: Creation, procreation and mimesis in the late Middle Ages*

Ming Hsu, Haas School of Business, *How does the brain represent brands? Toward a neuroscientific basis of consumer behavior*

Malo Hutson, City and Regional Planning, *Deepening Their Roots: The Urban Struggle for Economic, Environmental, and Social Justice*

Katerina Linos, School of Law, *Rights on the Ground: International Organizations, National Institutions and the Protection of Fundamental Rights*


Mairi McLaughlin, French, *The Origins and Evolution of Journalistic French: From the First Periodical (1631) to the French Revolution (1789)*

Mahasin Mujahid, Public Health, *The Influence of Neighborhood Environments on Management of Type II Diabetes*

Holger Müller, Physics; LBNL, *Ultrafast x-rays and ultracold atoms*


Kyle Steinfeld, Architecture, *Visualization Tools for Climate-Calibrated Design*
Michiko Taga, Plant and Microbial Biology, *Shared Corrinoid Production in Microbial Communities*

Lauren Williams, Mathematics, *Applications of combinatorics to statistical physics and integrable systems.*
2011 Award Recipients

**Pieter Abbeel**, Electrical Engineering & Computer Sciences, *Large-Scale Machine Learning for Connectomics*

**Duncan Callaway**, Energy & Resources Group, *How big is the efficiency resource? Scalable evaluation of building energy efficiency potential and performance*

**Stephanie Carlson**, Environmental Science, Policy & Management, *Dynamics of a Threatened Organism in a Seasonally Fragmented Stream Habitat*

**Jacob Dalton**, East Asian Languages & Cultures/ South & Southeast Asian Studies, *On the Origins and Early Development of Tantra, Buddhist Ritual Manuals from Dunhuang*

**Damian Elias**, Environmental Science, Policy & Management, *Mechanisms of Multimodal Integration: An evolutionary approach*

**Munis Faruqui**, South & Southeast Asian Studies, *The Saiyid Barkat Ali Collection in the Re-evaluation of Emperor Aurangzeb’s Legacy*


**William Fuchs**, Haas School of Business, *Bargaining and Trade in Thin Markets with Private Information*


**Yuriy Gorodnichenko**, Economics, *Genes, socioeconomic outcomes and economic development*

**Lin He**, Molecular & Cellular Biology, *The molecular mechanisms regulating the organ specificity of tumor metastasis*

**Karl Kullmann**, Landscape Architecture & Environmental Planning, *Continuously Variable Density: Towards Topographically Sensitive Urbanism*

**Cindy Looy**, Integrative Biology, *The Late paleozoic deglaciation and evolution of conifers*

**Craig Miller**, Molecular & Cellular Biology, *Finding the genes that promote bone gain*

**Tamara Roberts**, Music, *Play Good: The Culture and Politics of Urban Women’s Drumming Communities*
Janelle Scott, Education/African American Studies, *An Exploratory Study of Teach For America and Civic Engagement*

Tina Trujillo, Education, *An Exploratory Study of Teach For America and Civic Engagement*

Jen-Chywan (Wally) Wang, Nutritional Sciences & Toxicology, *Mechanisms of Glucocorticoid-induced Insulin Resistance*

Ahmet Yildiz, Physics, *The Control of Intraflagellar Transport in Chlamydomonas Reinhardt II*
2010 Award Recipients

Jennifer E. Ahern, Public Health, Pilot research with OEF/OIF Veterans on social environment factors protective against substance misuse

Sonia J. Bishop, Psychology, Identifying the neurocognitive mechanisms disrupted in Anxiety

Michelle C. Chang, Chemistry, Building new chemical function in living organisms

Danica Chen, Nutritional Sciences and Toxicology, Identification of Novel Molecular Targets for Breast Cancer Chemoprevention


Jeroen Dewulf, German, Amerindo Country: The Dutch Eurasian “Indo” Community in the U.S.

Kathleen Donegan, English, Seasons of Misery: Catastrophe and the Writing of the Colonial Settlement

Paul Fine, Integrative Biology, The diversification of Amazonian trees: the role of insect herbivores and plant chemical defenses

Britt A. Glaunsinger, Plant and Microbial Biology, Getting the Message Right: How do Cells Eliminate Flawed RNAs

Alastair Iles, ESPM, The Policy and Business of Building the Platform Molecules of the Biomass Chemistry Industry

Rucker Johnson, Public Policy, Long-run Impacts of Head Start & School Quality on Adult Health & Socioeconomic Attainments

Jon Kosek, Geography, The Making of the Modern Bee: Towards a Critical Natural History of the Honeybee

Nicholas Mathew, Music, Political Music in Wartime Vienna, 1794-1815

Lev D. Michael, Linguistics, Documentation and Analysis of Matsigenka, an endangered Amazonian language

Benjamin W. Porter, Near Eastern Studies, Economic intensification on the Mamluk imperial frontier: A case study from Middle Islamic Dhiban (Jordan)
Ronald L. Rael, Architecture, Developing 3D Printing for the Rapid Manufacture of Ceramic Building Components

Brody L. Reiman, Art Practice, Cartographic Itinieraries: Rerouting the Art Object Through the Writer’s Home

Sayeef Salahuddin, EECS, All Spin Logic for Ultra Low Power Computing

Laura Sterponi, Education, Rethinking echolalia: Repetition as interactional resource in the communication of children with autism

Joan L. Walker, Civil and Environmental Engineering, Revolutionizing Transportation Modeling due to a Revolutionized Data Collection Environment

Feng Wang, Physics, Probe the Dynamics of Heterogeneous Photocatalysis for Solar Energy

Andrew Wurmser, Molecular and Cell Biology, Indentification of a novel role for TGF-β1 in the vascularization of glioblastoma multiforme

2009 Award Recipients


**Diana M. Bautista**, Molecular & Cell Biology, *Molecular and Cellular Mechanism of Mammalian Touch and Pain*

**Charles Blanton**, English, *Epic Negation: The Dialectical Poetics of Late Modernism, Aftereffects: Late British Style*

**Rauri Bowie**, Integrative Biology, *Novel approaches for combining climate modeling with genetic data: birds from the Eastern Arc Mountains of Africa as a case study with which to test the evolutionary importance of stability*

**Mary M. Cavanaugh**, Social Welfare, *The Dialectical Psychoeducational Workshop (DPEW) for Males At Risk for IPV: A Pilot Randomized Controlled Trial*

**Lu Chen**, Optometry, *Development of New Therapies for Corneal Inflammation and Transplantation*

**Melinda Chen**, Gender & Women’s Studies, *Leaded Bodies as Toxic Assets: National and Corporeal Security in Notions of Toxicity*


**Nicholas de Monchaux**, Architecture, *Local Code: Towards Place-Based Intelligence in Prefabricated Design*

**Karen S. Feldman**, German, “*The Importance of the Means*”: Language and Style in Kant

**Karsten Gronert**, Optometry, *Harnessing Endogenous Protective Circuit to Preserve Vision*

**Maria Paz Gutierrez**, Architecture, *Building environmental control: thin film integration of hygrosensors and thermoelectrical/photovoltaic coating technologies for higher energy efficiency envelopes*

Nicole King, Molecular & Cell Biology, Insights into animal origins by comparative genomics of Sponges

Han Lim, Integrative Biology, Jamming the small RNA signals required for bacterial survival and infection

Tania Lombrozo, Psychology, Empirical investigations of explanation and inference

Ana Maria Martinho, Spanish & Portuguese, Culture, Media and Politics in Angola

Amani Nuru-Jeter, Public Health, The Psychological Effects of Racism Stress Among Black Women of Childbearing Age

Celine E. Pallud, Environmental Science, Policy, & Management, The future of the Salton Sea: Coupling transport and biogeochemical processes affecting selenium mobility

Beth Piatote, Ethnic Studies, Indigenous Literacies

Chelsea Specht, Plant and Microbial Biology, The evolution of adaptive floral morphology in an ecologically important group of tropical monocots (Zingiberales)

Chenxi Tang, German, Imagining World Order: International Law and Literature from the Renaissance to the Nineteenth Century

Cihan Tugal, Sociology, Piety faces of the Mammon and the Pharoah: Islamicization as an associational response to the market and the state?

Evan A. Variano, Civil & Environmental Engineering, Developing 3D Imaging and Velocimetry for Coastal and Riverine Sediment Motion
2008 Award Recipients


Geoffrey Bower, Astronomy, *The Fly’s Eye: Opening a New Window on Fast Radio Transients*

Sanjay Kumar, Bioengineering, *Engineering molecular and cellular function through unstructured protein doma*

Seung-wuk Lee, Bioengineering, *Development of Novel Drug Delivery Vehicles Using Genetically Engineered Viruses*

Mohammad Mofrad, Bioengineering, *Multiscale Models of the Bicuspid Aortic Valve: Linking Whole Organ to Cells*

Christopher Chang, Chemistry, *Revealing Basic Mechanisms of Metal Function in the Brain through Molecular Imaging*

Richmond Sarpong, Chemistry, *Alleviating the Environmental and Economic Cost of Synthesizing Complex Molecules to Combat Lung Cancer*

Maneesh Agrawala, Electrical Engineering and Computer Science, *Design Principles, Algorithms, and Interfaces for Visual Communication*

Sanjit Seshia, Electrical Engineering and Computer Science, *Provably Error-Resilient Computing at Low Cost*

Rodrigo Almeida, Environmental Science, *Policy and Management, Disrupting the transmission of insect-borne grapevine pathogens*

Perry de Valpine, Environmental Science, *Policy and Management, Estimating predictability of ecological population dynamics*

Sean Farhang, Goldman School of Public Policy, *Why Does Congress Choose Lawsuits for Regulatory Enforcement?*

Randi Engle, Graduate School of Education, *Framing Learning Contexts to Promote Transfer: An Experimental Study*

Michael Deweese, Helen Wills Neuroscience Institute, *A rodent model of selective auditory attention*
Michael Silver, Helen Wills Neuroscience Institute, *Pharmacological studies of spatial integration and visual perception in macular degeneration patients*

Carlos Noreña, History, *Mapping Urbanization in the Roman Empire*

Rachel Brem, Institute for the Quantitative Biosciences, *Signaling behaviors of the unfolded protein response in aging*

Daniela Kaufer, Integrative Biology, *Rescuing neural stem cells from age-related silencing*

Russell Vance, Molecular and Cell Biology, *How are infections detected? A novel immune pathway for sensing bacterial pathogens*

Qing Zhong, Molecular and Cell Biology, *Degradation of Organelles*
2007 Award Recipients

Sabrina Agarwal, Anthropology, *Understanding Bone Maintenance and Fragility over the Life Course in a Neolithic Archaeological Population*

Joshua Bloom, Astronomy, *Studying Black Hole Growth: A New Window with New Surveys*

Hillary Elfenbein, Business, *On the Intuition That Some Negotiators Are Better Than Others*

Rachel Segalman, Chemical Engineering, *Nanopatterning Organic Photovoltaics*

Fotini Chow, Civil & Environmental Engineering, *Atmospheric boundary layer dynamics over complex terrain: turbulent processes and land-surface forcing*

Jose Carmena, Electrical Engineering & Computer Sciences, *Sensori-motor neuroprosthesis for the neurologically impaired*

Claire Kremen, Environmental Science, Policy & Management, *How does biological diversity promote ecosystem services: a mechanistic study of almond crop pollination in a changing California landscape*

Deborah Blocker, French, *How “art” became “art”: discourses on the “arts” in early modern Europe (1500-1800)*

Victoria Frede, History, *The Making of Russian Atheism, 1780-18705*

Abena Osseo-Asare, History, *Bitter Roots: Medicine, Markets and the Search for Healing Plants in Africa*

Sheila Patek, Integrative Biology, *Evolutionary physiology of communication in the sea*

Gregory Barton, Molecular and Cell Biology, *Identification of mechanisms preventing autoimmunity due to Toll-like reception activation by self nucleic acids*

Irfan Siddiqi, Physics, *Single Molecule Magnetometry: A Route to Testing the Limits of Quantum Mechanics*

Arash Komeili, Plant & Microbial Biology, *Biomineralization of Magnetic Minerals in Bacteria*

Lance Kriegsfeld, Psychology, *Impact of Chrono-Neuroendocrine Disruptions on Adult Neurogenesis and Cell Death*

Lisa 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 new modes of choreography utilizing 3D Tele-Immersion technology*
2006 Award Recipients

Ernesto Dal Bó, Business, *Political elites and the dynastic transmission of power.*

Philip Lewis Geissler, Chemistry, *Designing DNA sequences that organize nanocrystal arrays.*

Todd M. Hickey, Classics, *Reading the Papyri of a Priestly Family: Social Relations and Cultural Negotiation in Egypt under Roman Rule.*


Leslea J. Hlusko, Integrative Biology, *Searching for our ancestors: Surveying for new fossil sites in Tanzania.*


Lynn Nichols, Linguistics, *Defective Nouns and the Complexity of Noun Meanings.*


Rodolfo Mendoza-Denton, Psychology, *Effects of Prejudice on Cardiovascular Health.*

Jonathan D. Wallis, Psychology & Neuroscience, *Role of Prefrontal Cortex and Dopamine in Control of Choice Behavior.*
2005 Award Recipients

Corinne Hayden, Anthropology, *(At) the end of the patent: Generic medicines and the "health of the public" in Mexico.*

Saba Mahmood, Anthropology, *Secular Islam and its Discontents: The Case of Middle East and South Asia.*

Daniel Fletcher, Bioengineering, *Some assembly required: Rebuilding the actin motility machinery.*

Haw Yang, Chemistry, *Visualizing Complex Biochemical Processes at the Single-Molecule Level.*


Rastislav Bodik, Electrical Engineering and Computer Science, Computer Science Division, *Programming by Sketching.*


David Bilder, Molecular and Cell Biology, *Identification of Malignant Tumor Suppressors via a Novel Genetic Screen in Drosophila.*

Michael B. Eisen, Molecular and Cell Biology, *Genomic Dissection of the Fungal Infection Responsible for Global Amphibian Decline.*

Shahwali Ahmadi, Near Eastern Studies, *Parables of Memory and Vision: Anomalies of History and Form in Modern Fiction of Afghanistan.*

Yasunori Nomura, Physics, *Exploring New Physics at the TeV Scale.*

Taeku Lee, Political Science, *Between Social Theory and Social Science Practice: Towards a New Approach to the Survey Measurement of 'Race'*. 

Irene Bloemraad, Sociology, *Organizing for Political Voice: The Role of Community Organizations in Immigrant Political Incorporation.*

Natalia Brizuela, Spanish and Portuguese, *Between Empire and Republic or on Photographic Melancholy in Brazilian Modernity.*
2004 Award Recipients

**Sharon Amacher**, MCB, *Genetics and Development, Fishing the Genome for Transcription Factor Targets and cis Regulatory Code*

**Ozlem Ayduk**, Psychology, *Continuities in Children’s Ability to Delay Gratification Across the Life Span*

**Laurent Coscoy**, MCB, *A Novel Family of E3-Ubiquitin Ligases Regulates the Expression of Key Components of the Immune System*


**Matthew Francis**, Chemistry, *Modified Viral Capsids as Targeted Delivery Vectors for Anticancer Agents*

**Anne-Lise Francois**, English, *Open Secrets: The Literature of Uncounted Experience*

**Jay T. Groves**, Chemistry, *Surface Chemistry on Cell Membranes*


**Alessandra Lanzara**, Physics, *Unlocking the Mystery of Materials at the Nanoscale by Enhancing the Investigation of Electronic Structure*

**Song Li**, Bioengineering, *Engineering of Functional Muscle in vitro Using Mesenchymal Stem Cells and Micropatterned Polymers*

**Maria Mavroudi**, History, *Bilingualism in Greek and Arabic: Evidence from the Manuscripts*

**James O’Brien**, EECS, *Combined Audio and Visual Stimulation for Synthetic Environments*

**Isha Ray**, ERG, *From Wells to Well-Being? Water for Women in the Developing World*

**Bryan Wagner**, English, *Disturbing the Peace: Black Vagrancy and the Grounds of Racial Difference*
2003 Award Recipients

**Dorothy Beam**, English, *Purple Pleasures: Highly Wrought Fiction by 19th-Century American Women*

**Oscar Dubon**, Materials Science Engineering, *Synthesis of Ferromagnetic Semiconductors*

**Jack Glaser**, Public Policy, *The Effect of Knowledge of the Possibility of Death Sentence on Jurors’ Judgments of Guilt*


**Botond Koszegi**, Economics, *Economic Models of Utility from Anticipation*

**Joel Moore**, Physics, *Theory of Collective Quantum Phenomena in Nanostructured Materials*

**Greg Niemeyer**, Art Practice, *Interactive Voice Box Simulation*

**Per Jakob Palsboll**, Environmental Science, *Policy and Management, Molecular Scatology*

**Eliot Quataert**, Astronomy, *Supernovae and the Birth of Compact Objects*

**Ananya Roy**, City and Regional Planning, *The Feminization of Policy: A New Development Paradigm?*

**Jennifer Michel Spear**, History, *Race, Sex, and Social Order in Colonial New Orleans*

**Niek Veldhuis**, Near Eastern Studies, *Digital Corpus of Cuneiform Lexical Texts*

**Kipling Will**, Environmental Science, *Policy and Management, Poison Beetles*
2002 Award Recipients

Noam Sobel, Neuroscience, Odortopy: Are Odors Spatially Mapped in the Brain?

Karsten Weis, MCB: Cell & Developmental Biology, Regulation and Dynamics of the Ran GTPase Cycle

Dirk Trauner, Chemistry, Molecular Recognition of Potassium Channels

Steven Boggs, Physics, Test Flight of the Nuclear Compton Telescope

Dan Stamper-Kurn, Physics, In-situ Imaging of Spinor Bose-Einstein Condensates

Mia Fuller, Italian Studies, Mussolini’s Citizens: Living in Italy’s Fascist-Era ‘New Towns’, From 1928 to the Present

Ramona Ann Naddaff, Rhetoric, Censorship and the Novel: Case Studies in the Politics of Reading

Jennifer Johnson-Hanks, Demography, Reproductive Intentions and Fertility Rates in Developing Countries

Edward Miguel, Economics, Pre-School Health and Education in Urban India

Kurt M. Cuffey, Geography, Improved Precipitation Isotope Analyses for Climate Change Studies
2001 Award Recipients

Cheryl J. Briggs, Integrative Biology, *Indirect Effects of Colonization of Native Insects onto Non-native Plant Species in California.*

Matthew Welch, Molecular and Cell Biology, *Regulation of Actin Nucleation and Actin Based Motility by the Wiscott-Aldrich Syndrome Protein.*

David Schaffer, Chemical Engineering, *Chemically Engineering Adeno-Associated Viral Vehicles for Enhanced Gene Delivery*

Peidong Yang, Chemistry, *Nanorod Superstructures*

Khalid Mosalam, Civil and Environmental Engineering, *Innovative Rehabilitation and Computational Modeling of Monumental Structures Using Polymer Composite Systems*

Antje Hofmeister, Plant and Microbial Biology, *Molecular Mechanisms of Bacterial Development*

Christine F. Wildsoet, Optometry, *The How and Why of Ocular Growth Regulation: Some Lessons from the Chick and Their Significance for Human Myopia (Short-sightedness)*

Ying Qing Chen, Biostatistics, *Statistical Analysis of Long-term Progressive Schizophrenia Deterioration*

Carolyn Huie Hofstetter, Education, *Test Accommodations for English Language Learners: Do They Yield Valid Inferences?*

Kate van Orden, Music, *Music and Military Virtue in Early Modern France*


Kaipeng Peng, Psychology, *Culture and Cognition*
2000 Award Recipients

Rebecca Heald, MCB: Cell and Developmental Biology, *Reconstituting mitotic spindle assembly in vitro using Caenorhabditis elegans*

Qiang Zhou, MCB: Biochemistry and Molecular Biology, *Recruitment of human positive transcription elongation factor P-TEFb to cellular promoters*

Kristie Boering, Chemistry/Geology & Geophysics, *Measuring Isotopes in the Stratosphere: From Ozone Depletion to the Global Biosphere*

Xu Liang, Civil and Environmental Engineering, *A Study Linking Climate, Water Resources Management, Agriculture, and Engineering Economics*

Christopher Vulpe, Nutritional Sciences, *Monitoring the metabolic response of plants to metals using cDNA microarrays*

Marti Hearst, Information Management & Systems, *Automated Usability Evaluation for Information-Centric Web Sites*

Shawn Brixey, Digital Art Practice, "Eon" for the Beall Center for Art and New Media, UC Irvine

Jennifer Miller, English, *La3amon’s Brut and English Historiography; Multilingualism in Medieval Britain*

Nicholas Paige, French, *Mysteries of Culture in Early Modern France*

Jack Gallant, Psychology, *Role of Human V4 in Form Vision and Attention*

David Henkin, History, *Going Postal: Mail Culture in 19th Century America*

Laura Perez, Ethnic Studies, *Contemporary Chicana Art Books*

Priya Raghubir, Haas School of Business, *Money, Money, Money: It’s not the same by another name*
1999 Award Recipients

**Nan Crystal Arens**, Integrative Biology, _Can Species Richness and Community Stability Predict Propensity for Extinction? Plant Communities Across the Cretaceous-Tertiary Boundary_

**Eileen Lacey**, Integrative Biology, Evolution of Behavioral and Genetic Diversity in Subterranean Rodents

**Roland Bürgmann**, Geology & Geophysics, _Mechanics of Himalayan Collision and Associated Tibetan Extension_

**Douglas Dreger**, Geology & Geophysics, _Three Dimensional Analysis of the Earthquake Rupture Process_

**William Holzapfel**, Physics, _Prototype 90 GHz Receiver for the CBI Telescope_

**Jeffrey Long**, Chemistry, _Toward Molecular Data Storage: Design and Synthesis of Metal-Cyanide Cluster Magnets_


**James Landay**, Electrical Engineering & Computer Sciences, _Computer-aided Drawing for the Visually Impaired_

**Eva Harris**, Public Health, _The Role of Interferon in the Infection of Human Cells by Dengue-2 virus_

**Anne A. Cheng**, English, _The Melancholy of Race_

**Kevis Goodman**, English, _Passionate Work: Georgics of the Feelings, 1746-1815_

**Colleen Lye**, English, _Naturalizing the Pacific Rim: American Literature 1882-1945_

**Mary Ann Smart**, Music, _Mimomania: The Gestural Language of Nineteenth-Century Opera_

**Cathryn Carson**, History, _History of Science in Nuclear Waste Management_
1998 Award Recipients

Yang Dan, Molecular and Cell Biology: Neurobiology, *Reading the Neural Code in the Mammalian Visual System*

John Battles, Environmental Science, Policy and Management, *Does the Early Detection of Neighboring Plants Improve the Survival and Growth of Forest Trees*

Ignacio Chapela, Environmental Science, Policy and Management, *Species-Specific Carbon Processing by Fungi in Coniferous Forests*

Suzanne Fleiszig, Optometry, *Development of novel therapies for Pseudomonas aeruginosa infection*

Jack Colford, Public Health, *Application of Density Equalized Map Projections to Evaluate Spatial Clustering of Cryptosporidiosis in San Francisco*

Fenyong Liu, Public Health, *Development of ribozymes as novel gene-targeting agents*

Stephen Best, English, *Fugitive Properties: Slavery, Technology, and the Lure of the Material in American Culture*

Junko Habu, Anthropology, *Development of Sedentism Among Prehistoric Hunter-Gathers in Japan*

Xin Liu, Anthropology, *Moral mathematics: luck, fortune, and authority in late socialist China*

Laurie Wilkie, Anthropology, *1998 Archaeological Excavations at Clifton Plantation, Bahamas*

Peter Zinoman, History, *Vu Trong Phung and Literary Modernism in Vietnam*

Aditya Behl, South and Southeast Asian Studies, *Rasa and Romance: The Avahdhi Sufi Premakhyans*
1997 Award Recipients

Zi Qiang Qiu, Physics, *Synthesis and Characterization of Magnetic Nanostructures*

Lars Bildsten, Physics & Astronomy, *Temporal Variability in Stellar Astrophysics*


Susan Marqusee, Molecular and Cell Biology, *Biological Sciences Dissection of the Protein Folding Problem*

Lisa A. Pruitt, Mechanical Engineering, *Surface Modification of UHMWPE for wear resistance of Total Knee Replacements*

John G. Flannery, Optometry, *Gene Therapy Approaches to Treatment of Inherited Retinal Degenerations*

Allen Goldstein, Environmental Science, Policy and Management, *A Field-Based Study of Sierra Nevada Forest Response to Anthropogenic Ozone and Nitrogen Deposition*

Priya Joshi, English, *Gifts of Empire: British Popular Fiction & the Development of the Novel in India*


Anne Nesbet, Slavic Languages and Literatures/Film, *The Dialectical Image*

Darcy Grimaldo Grigsby, History of Art, *Painting Empire in Post-Revolutionary France*

1996 Award Recipients

Tracy Handel, Molecular and Cell Biology, *De Novo Design of Membrane Proteins.*

Alan Sachs, Molecular and Cell Biology, *Functional Interactions Between Messenger RNA 5' and 3' Ends*

Roya Maboudian, Chemical Engineering, *Understanding and Manipulating Surface Forces in Silicon Micro-Mechanical Devices.*

Yeon-Kyun Shin, Chemistry, *Mechanism of Cell-Viral Membrane Fusion Induced by HIV gp120-gp41.*


David Weiss, Physics, *Experiments with Cold Trapped Atoms*

Mark Van der Laan, Biostatistics, *Optimal Methods for Estimation of Survival Distributions with Censored Data and Many Covariates*

Martin Jones, Philosophy, *Metaphysics and Quantum Theory*

Paolo Mancosu, Philosophy, *From Brouwer to Hilbert: Philosophy of Mathematics in the 1920’s*

Katherine Snyder, English, *Bachelors, Narrative, and the Novel*

Nada Eissa, Economics, *The Econometrics of Differences-in-Differences Regression Models*

Mariane Ferme, Anthropology, *State Failures and "Moral" Reforms in Sierra Leone: A Historical and Cultural Study*

Carol Redmount, Near Eastern Studies, *Of Silts and Marls: Analysis of Modern Egyptian Pottery and Implications for Ancient Egyptian Ceramics*
1995 Award Recipients

Carla D’Antonio, Integrative Biology, *Species interactions and community change in a montane meadow ecosystem*

Ehud Y. Isacoff, Molecular and Cell Biology: Neurobiology, *Regulation of synapse development and plasticity by K+ channels*

Martin Head-Gordon, Chemistry, *Local Theories of Quantum Chemistry*.

Susan J. Muller, Chemical Engineering, *Novel Experimental Studies of Extensional Flows of Polymeric Liquids*

James W. Kirchner, Geology & Geophysics, *Measuring changes in erosion rates due to land use*

Oliver M. O’Reilly, Mechanical Engineering, *A Feasible Investigation of Satellite Dynamics*

Panayiotis Papadopoulos, Mechanical Engineering, *A Study of Constitutive Models in Finite Plasticity*

Katherine Bergeron, Music, *Decadent Enchantments: Gregorian Chant and Modern Aestheticism*

Eric Naiman, Comparative Literature, *Slavic Languages and Literature Monumental Intimacy: Privacy and the Shaping of Soviet Life*

Sharon Inkelas, Linguistics, *The Lexical Phonology of Turkish*

Lucia F. Jacobs, Psychology, *Seasonal changes in spatial behavior, spatial learning and the hippocampus*

Kathleen James, Architecture, *Dynamic Functionalism: The Architecture of Erich Mendelsohn, 1918 - 1933*

Pedro A. Noguera, Education, *Confronting the Urban in Urban Education: Overcoming the Obstacles to Urban School Reform Through Community Partnership*

Christina Shannon, Economics, *Market Distortions in Equilibrium Analysis*