

Hellman Family Faculty Fund

Current and
Past award Recipients
1995-2018

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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

Andrew Atwood, Architecture, *In My Own Backyard: New Tools and Strategies for ADU Design, Development and Construction*

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, *Geoesthetics 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*

Daniel Fisher, Anthropology, *The Country in the City: Urbanization and 'Emergency Response' in Northern Australia*

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*

Cybelle Fox, Sociology, *The Rise of Citizenship and Legal Status Restrictions in American Social Welfare Policy*

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*

David Romps, Earth & Planetary Science, *Cloud Statistics Using Stereo Photography*

Namwali Serpell, English, *Faces*

Jun Sunseri, Anthropology, *Tshimbupfe-Berkeley Collaborative Archaeology Project*

Karen Tani, School of Law, *States of Dependency: Welfare, Rights and American Governance, 1935-1965*

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*

Michael Lustig, Electrical Engineering and Computer Sciences, *Bespoke Coils: High-Sensitivity Flexible MRI Coils via Printed Electronics*

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*

Daniel Sargent, History, *Making Globalization: Power, Integration, and Governance in the Modern World Economy*

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

Keith Feldman, Ethnic Studies, *Special Relationships: Israel, Palestine, and U.S. Imperial Culture*

Meredith Fowlie, Agricultural & Resource Economics, *Greenhouse Gas Emissions Reductions from Wind Energy: Location, Location, Location?*

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

Susanne Gahl, Linguistics, *Speaking "Up": Language development in Michael Apted's "Up" film series*

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*

Coye Cheshire, Information, *Learning to Become a Wikipedian: A Mixed-Method Study of Information Sharing, Collaboration and Online Participation*

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*

Sayeeef 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- β 1 in the vascularization of glioblastoma multiforme*

Qing Zhou, Psychology, *Parent-Child Acculturation Gap in Chinese American Immigrant Families: Development, Process, and impact on Children's Psychological Adjustment and Competence*

2009 Award Recipients

Elad Alon, Electrical Engineering & Computer Sciences, *Nano-Electro-Mechanical Integrated Circuit Design and Technology*.

Leonardo Arriola, Political Science, *Power Sharing in Africa: Explaining Bargaining Outcomes After Disputed Elections*

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 Assests: National and Corporeal Security in Notions of Toxicity*

James Davies, Music, *Romantic Neuro-science in Musical Performance, 1800-1845*

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*

Robert Kaufman, Comparative Literature, *Modernism After Postmodernism? Robert Duncan and the Future-Present of American Poetry*

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 Pharaoh: 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

Leigh Raiford, African American Studies, *Imprisoned in a Luminous Glare: Photography and the African American Freedom Struggle*

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, *Biomining of Magnetic Minerals in Bacteria*

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

Sandra Smith, Sociology, *Exploring Racial and Ethnic Differences in the Mobilization of Social Resources for Job-Finding*

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.*

Richard Allen, Earth & Planetary Science, *New insights into subduction and megathrust earthquakes in the Pacific Northwest.*

Dan Klein, Electrical Engineering and Computer Science, *Linguistically Rich Statistical Machine Translation.*

Justin Brashares, Environmental Science, Policy & Management, *Bushmeat Hunting and Wildlife Dynamics in West Africa.*

George Bentley, Integrative Biology, *Gonadotropin-Inhibitory Hormone: A Newly-Identified Component of the Vertebrate Reproductive System.*

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

Anne M. Joseph, Law, *Called to Account by Separated Powers: Regulatory Activity, Oversight, and Turnover of Federal Agency Leaders.*

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

Jan T Liphardt, Physics, *Development and Characterization of Light-controlled and - powered "Biobots", inherently Safe Programmable Cellular Automata.*

Ashvin Vishwanath, Physics, *Non-Equilibrium Phenomena and New Transitions in Interacting Quantum Systems.*

Darlene D. Francis, Psychology & Public Health, *Life-Stressors and Telomeric Aging: A Rat Model to Investigate Individual Differences in Vulnerability.*

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.*

Jiwon Shin, East Asian Languages and Culture, *Intimate Objects: The Circulation of Literature in Late Chosôn Korea.*

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

Donna Jones, English, *Promise of European Decline: Vitalism, Aesthetic Politics and Race in the Interwar Years.*

Sara McMains, Mechanical Engineering, *Real-time Design for Manufacturability Feedback.*

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*

Marian Feldman, Near Eastern Studies, *The Shared Culture of Wall Painting in the Eastern Mediterranean, 2000-1500 BC*

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*

Carla Hudson Kam, Psychology, *The Domain Specificity of Learning Mechanisms and Regularization: Is it Really Just Language?*

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*

Alexander Katz, Chemical Engineering, *Engineering Materials on the Nanoscale for Enantioselective Molecular Recognition and Fullerene Separations*

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*

David S. Lee, Economics, *Empirical Analyses of Unionization and its Economic Consequences: Evidence from Union Representation Elections*

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 microassays*

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*

Ronald Cohen, Chemistry and Geology & Geophysics, *Nitrogen Oxides: Measuring Trends in a Primary Indicator of Atmosphere*

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 Premakhyaans*

1997 Award Recipients

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

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

James K. McCusker, Chemistry, *Electron Exchange Coupling in Cluster-Bridged Donor-Acceptor Complexes: Implications for Biological Electron Transfer*

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*

John H. McWhorter, Linguistics/African-American Studies, *Martinique Creole Research Project*

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

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

Rachel A. Schurman, Energy and Resources Group/Department of Sociology, *Resource-Based Growth in a Global Economy: An Analysis of a Latin American "Success Story"*

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 Sedlak, Civil and Environmental Engineering, *The Use of Photochemical Reactions in the Treatment of Metal-Cyanide Containing Hazardous Waste.*

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*