resilience

2017
Haas Scholars
Undergraduate
Research
Conference

UNIVERSITY
OF CALIFORNIA,
BERKELEY

JANUARY 12–13
Conference
Bancroft Hotel

Photography Exhibits:
Iranian Saffron Farming in Transition
Helia Bidad

Seed Sovereignty as Resistance and Reparation in Colombia
Juan Manuel Vélez

January 13 Reading:
The Worst of the Worst and the Bildung of a Recidivist
Clint Terrell

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THURSDAY, JANUARY 12
Great Hall, Bancroft Hotel

8:45–9:15 Welcome and Coffee

9:15–10:15 The Brain and Perception
Chair: Mark D’Esposito, Psychology
Ahmad Al-Zughoul (Cognitive Science and Molecular & Cell Biology major)
The Role of Acetylcholine and Dopamine in Perception and Working Memory
Faculty Sponsor: Mark D’Esposito, Psychology
Justin Baik (Physics major)
Optogenetic Control in Freely Behaving Bats (Rousettus Aegyptiacus)
Faculty Sponsor: Michael Yartsev, Neuroscience

10:30–12:00 Buried Narratives: Piecing Together Fragments of History
Chair: Emily Thornbury, English
Olivia Graves (English and Classical Civilizations major)
Decoding the ‘Fah Flor’: Archaeological Discovery and the De-Mystification of a Lost Metaphor in Beowulf
Faculty Sponsor: Emily Thornbury, English
Ramón de Santiago (Art History and Art Practice major)
Across Three Oceans: Shipwrecks as Early Modern Globalism
Faculty Sponsor: Lisa Trever, Art History
Clint Terrell (English major)
Worst of the Worst: Changing the Prison Narrative
Faculty Sponsor: Hertha Sweet Wong, English

12:15–1:15 Lunch, Great Hall, Bancroft Hotel

1:30–3:00 Revealing Realities Around the Globe
Chair: Jake Kosek, Geography
Helia Bidad (Society & Environment major/Geospatial Information Science & Technology minor)
Shifting Traditions: Perspectives of Saffron Farmers in the Khorasan Province of Iran on Climate Change and Technological Development
Faculty Sponsor: Kate O’Neill; Environmental Science, Policy & Management
Juan Manuel Vélez (Geography, Interdisciplinary Studies, and Society & Environment major/Global Poverty & Practice and Food Systems minor)
Seeds of Reconciliation: Seed Sovereignty as a Form of Reparation for Victims of War in Colombia
Faculty Sponsor: Jake Kosek, Geography
Winnie Itago (Environmental Economics & Policy major/Global Poverty & Practice minor)
Divergent Policies, Divergent Trajectories? The Impact of Established Political Systems on Oil and Gas Institutions in Ghana and Uganda
Faculty Sponsors: Michael Watts, Geography and Robin Marsh, ISSI

3:15–4:45 Negotiating a Worldview Through Culture, Ideology, and Choice
Chair: Laurie Wilkie, Anthropology
Allyn Benintendi (Anthropology major)
Freezing the Future: Oocyte Cryopreservation in Northern California
Faculty Sponsor: Laurie Wilkie, Anthropology
Jorge David Mancillas (Sociology major)
Dying to Survive: Negotiating with Early Death and the Social Reproduction of Gang Violence
Faculty Sponsor: Cristina Mora, Sociology
FRIDAY, JANUARY 13
Great Hall, Bancroft Hotel

10:00–10:30 Welcome and Coffee

10:30–12:00 Looking in the Mirror: Perceptions as a Reflection of Modern America
Chair: Rodolfo Mendoza-Denton, Psychology
Nicole Rankin (Sociology major)
The Gender Wage Gap: A Moral or Economic Concern?
Faculty Sponsor: Laura Kray, Haas School of Business
Kimberly Martin (Psychology major/Dance & Performance Studies minor)
Perceptions of Historically Black College and University Prestige: Implications for Racial Stereotypes
Faculty Sponsor: Rodolfo Mendoza-Denton, Psychology
Julian Ponce (Public Health major/Public Policy minor)
Sugar-Sweetened Beverage as Well as Tap Water Consumption and Perceptions Among Latino/as in Kings County
Faculty Sponsor: Kristine Madsen, Public Health

12:00–1:00 Lunch, Great Hall, Bancroft Hotel

1:00–2:30 It’s the Little Things in Life
Chair: Russell Vance, Molecular & Cell Biology
Danny Lee (Microbial Biology and Public Health major)
ATP Release by Gram-Negative Bacteria and Its Role in Cell Wall Remodeling
Faculty Sponsor: Sangwei Lu, Public Health
Lucian DiPeso (Molecular & Cell Biology major)
Uncoupling Pyroptosis from Cell Lysis
Faculty Sponsor: Russell Vance, Molecular & Cell Biology
Victor Chen (Microbial Biology major)
Metabolite Production by Interspecies Interactions in Actinomycetes and Root Nodule Bacteria
Faculty Sponsor: Matt Traxler, Plant & Microbial Biology

2:45–4:15 Forgotten Places
Chair: Waldo Martin, History
Rosario Torres (Anthropology major)
Using Ethnobotanical Materials to Explore Native Californian Land Practices Along the Santa Cruz Coast
Faculty Sponsor: Kent Lightfoot, Anthropology
Michelaina Johnson (History major/Conservation & Resource Studies and Spanish minor)
Evading Dam-Nation: Land Use History of the Lower Cosumnes River Watershed, ca. 1820–2016
Faculty Sponsor: Kerwin Klein, History
Chance Grable (History major)
From Steel Mills to Steel Bars: Historicizing the Carceral State in Deindustrialized Rust Belt America
Faculty Sponsor: Waldo Martin, History

4:30–5:15 Author Reading Clint Terrell reads The Worst of the Worst and the Bildung of a Recidivist
Moderator: Hertha Sweet Wong, English

Robert & Colleen
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University of California Berkeley
A Senior Capstone Experience for All Majors