

THE SCHOLARLY SPARK

*Explorations &
Identifications*

**2012
Haas Scholars
Undergraduate
Research
Conference**

**UNIVERSITY
OF CALIFORNIA,
BERKELEY**

**APRIL 20–21
Conference**

April 20
Hotel Durant
2600 Durant Avenue

April 21
9 Durant Hall
UC Berkeley Campus

APRIL 5–14
Art Exhibition
Friendship Park
Nathaniel Klein
Worth Ryder Gallery
116 Kroeber Hall

As two flints ignite on impact, the 2012 Haas Scholars draw insights from the juxtaposition of contrasting perspectives, from the study of an archaeological past to the exploration of future food systems, from bond spreads to ecosystems, and from social relationships to tuberculosis diagnostics.

The interdisciplinary community of Haas Scholars is defined by exploration; this year's journeys went from Berkeley's campus labs to Indonesia's Citarum River. We hope that this weekend's presentations spark years of scholarly achievement to come.

Art Exhibition

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FRIDAY, APRIL 20

California Room, Hotel Durant

8:30–9:00 **Welcome and Coffee**

9:00–10:30 **Navigating Home(land)s**

Chair: Professor Mel Chen, Gender and Women's Studies

Marco A. Flores (Gender and Women's Studies major; Gay, Bisexual, and Transgender Studies major)

Sentiments of (Be)longing: Queer Undocumented Immigrants in Search of Home

Sponsor: Professor Mel Chen, Gender and Women's Studies

Geraldine Gomez (Social Welfare major, Education minor)

Undocumented Latina/o Students' Struggle and Academic Resiliency in Higher Education

Sponsors: Professor Irene Bloemraad, Sociology and Professor Lisa García Bedolla, Education

Nathaniel Klein (Practice of Art major, Gender and Women's Studies minor)

Reading Sites, Dropping Lines: An Investigation into Friendship Park

Sponsor: Professor Anne Walsh, Practice of Art

10:45–12:15 **(re)productions of art-I-facts**

Chair: Professor Juana María Rodríguez, Gender and Women's Studies

Samantha Alford (Classical Languages major, Anthropology major)

Religious Hierarchy in Ancient Mycenae:

A Contextual Analysis of Figurine Production at Petsas House

Sponsor: Professor Kim Shelton, Classics

Clarissa Arafiles (Anthropology major, Gender and Women's Studies major, Ethnic Studies minor)

Boiling: Postcolonial Critiques in Motion at the Kulô Art Exhibit in Pasay City

Sponsor: Professor Juana María Rodríguez, Gender and Women's Studies

Niku T'arhechu T'arhesi (Anthropology major)

Why Who Says What about Whom Matters: Anthropological Knowledge Production

Sponsor: Professor William Hanks, Anthropology

12:30–1:30 **Lunch, Dining Room, Hotel Durant**

in honor of the 2011–2012 Haas Scholars and Mentors

1:45–3:15 **'Don't put words in my mouth':**

Articulating Voice in the Wake of Turbulent History

Chair: Professor Laura Enríquez, Sociology

Isabella Oppen (Comparative Literature major, German Studies major, Music minor)

Sculpting Memory: Reading Berlin's Book Burning Memorial

Sponsor: Professor Anton Kaes, German Studies and Film Studies

Brittany Chalfin (English major)

Navigating a Male Discursive Tempest in Charlotte Brontë's Villetta

Sponsor: Professor Janet Sorensen, English

Sandra Portocarrero (Sociology major)

Redefining Life after the Internal Conflict: Women in Ayacucho, Peru

Sponsor: Professor Laura Enríquez, Sociology

3:30–5:00 **RPM: Reflection, Progression, Medication**

Chair: Professor Richard Mathies, Chemistry

Willie Joe Astronomo Marquez (Sociology major, Education minor)

Managing Type I Diabetes during Adolescence: Social Relationships and Identity

Sponsor: Professor Ann Swidler, Sociology

Novalia Pishesha (Bioengineering major)

*Bridging Immune System and Muscle Regeneration:
Elevated Levels of Osteopontin Impair Muscle Regeneration*

Sponsor: Professor Irina Conboy, Bioengineering

Navpreet Ranu (Chemical Engineering major)

Development of a Point-of-Care Tuberculosis Diagnostic Device

Sponsors: Professor Amy Herr, Bioengineering and Professor Richard Mathies, Chemistry

**5:00–6:30 New Scholars' Reception, California Room, Hotel Durant
in honor of the 2012–2013 Haas Scholars and Mentors**

SATURDAY, APRIL 21

9 Durant Hall, UC Berkeley

10:00–10:30 Welcome and Coffee

10:30–12:00 Stayin' Alive: Societal and Natural Welfare in a Changing World

Chair: Professor John Harte, Energy and Resources Group

Jenna Cavelle (Conservation and Resource Studies major)

A Political Ecology of Indonesia's Citarum River Basin:

Social Dimensions of 'Integrated Water Resources Management' in West Java

Sponsor: Professor Nancy Peluso; Environmental Science, Policy, and Management

Katya Cherukumilli (Environmental Sciences major, Global Poverty and Practice minor,
Energy and Resources minor)

Testing the Maximum Entropy Theory of Ecology at the Rocky Mountain Biological Laboratory

Sponsor: Professor John Harte, Energy and Resources Group

Michal Karmi (Conservation and Resource Studies major)

In the Path of the Three Sisters: A Critical Study of Sustainable Food Systems in a Globalized World

Sponsor: Professor Claudia Carr; Environmental Science, Policy, and Management

12:15–12:45 Lunch

1:00–2:00 Mystery Science Theater

Chair: Professor Robert Fischer, Plant and Microbial Biology

Jessica Pasqua (Chemical Biology major)

*Functional Characterization of Met12-MTHFR in *Saccharomyces cerevisiae**

Sponsor: Professor Jasper Rine, Molecular and Cell Biology (Genetics)

Denisse Rojas (Integrative Biology major, Sociology major)

A Novel Mechanism of Silencing Transposable Elements

Sponsor: Professor Robert Fischer, Plant and Microbial Biology

2:15–3:45 Social Economies of Dependence

Chair: Jean Retzinger, Lecturer, Media Studies

Robert King (Media Studies major)

The Road Home: How the News Frames Veterans'

Reintegration into 21st Century Civilian Society

Sponsor: Professor Jean Retzinger, Media Studies

James Gabriel Eckhouse (Geography major)

The Political Economy of the Spectacle

Sponsor: Professor Jake Kosek, Geography

Joseph Root (Economics major, Applied Mathematics major)

When Hot Money Turns Cold: Sovereign Risk in Europe

Sponsor: Professor Barry Eichengreen, Economics

4:00–5:00 Film Screening and Discussion

Nathaniel Klein

Friendship Park

Robert &
Colleen
Haas Scholars
Program

University of California, Berkeley
Office of Undergraduate Research
Haas Scholars Program
5 Durant Hall #2940
Berkeley, CA 94720-2940

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