

The Anatomy of Inquiry



2009
Haas Scholars
Undergraduate
Research
Conference

UNIVERSITY
OF CALIFORNIA,
BERKELEY

MAY 1-2
Conference

The Berkeley City Club
2315 Durant near Dana

MAY 1
Film Screening
and Discussion
Seryna Thai

MAY 1-2
Poetry Exhibit
Lijia Xie

http://research.berkeley.edu/haas_scholars/

Our scholars, like Leonardo DaVinci, span the disciplinary spectrum from artistic excellence to technical ingenuity—from astute cultural interpretations to scientific precision. Much as each specialized unit of the anatomy contributes to the whole, separate students have coalesced into a scholarly body—a community of inquiry enriched by contrasting disciplinary perspectives. Please come witness the fruition of the Haas Scholars' individual and collective achievements.

Poetry Exhibit

(public airing) poems
Lijia Xie

FRIDAY, MAY 1

During the conference
Members Lounge
The Berkeley City Club

SATURDAY, MAY 2

During the conference
The Drawing Room
The Berkeley City Club

Film Screening and Discussion

The MeKong River
(*Song Me Kong*)

Seryna Thai

FRIDAY, MAY 1

7:15–8:15

Members Lounge
The Berkeley City Club

FRIDAY, MAY 1

Members Lounge, The Berkeley City Club

10:00–10:30 **Welcome and Coffee**

10:30–12:00 **Conflated Genres: Narratives of Performance, Affect, and Memory**

Chair: Professor Geoffrey O'Brien, English

Lijia Xie (Interdisciplinary Studies Field major)

Beyond Holding Up the Sky: Beijing Women in the Era of the Olympic Games

Sponsor: Professor Geoffrey O'Brien, English

Kyle Rentschler (Film Studies major)

8-Bit Teardrops: A History of Melodrama in Video Games

Sponsor: Professor Linda Williams, Film Studies and Rhetoric

Seryna Thai (Film Studies major)

The MeKong River (Song Me Kong)

Sponsor: Professor Kristen Whissel, Film Studies

12:00–1:30 **Lunch, The Berkeley City Club Terrace, in honor of the 2008–2009 Haas Scholars and Mentors**

1:30–2:30 **Perception of the Social Self: Responsibility and Relationships**

Chair: Professor Ozlem Ayduk, Psychology

Pei (Tony) Zhao (Philosophy major)

Moral Responsibility and Determinism

Sponsor: Professor R. Jay Wallace, Philosophy

A. Nicholas Santascoy (Psychology major)

Rejection Sensitivity and Gratitude

Sponsor: Professor Ozlem Ayduk, Psychology

2:45–4:15 **Culture and Economy: Post-Conflict Identities, Discrimination, and Consumerism**

Chair: Professor Laurie Wilkie, Anthropology

Evarosa Holt-Rusmore (Interdisciplinary Studies Field major, Global Poverty and Practice minor)

Youth Reintegration in Post-Conflict Sierra Leone

Sponsor: Professor Mariane Ferme, Anthropology

Mehmet Seflek (Economics and Arabic major)

The Scarves of Choice: Headscarf Discrimination in the Turkish Labor Market

Sponsor: Adjunct Professor David Roland-Holst, Agricultural and Resource Economics

Jessica Merizan (Anthropology major)

Families and Frontier Boys: An Archaeology of Consumerism and Identity Construction in a Mid-20th Century California Community

Sponsor: Professor Laurie Wilkie, Anthropology

4:30–6:00 **Finding and Characterizing the Missing Link: Promoters and Proteins**

Chair: Professor J. Christopher Anderson, Bioengineering

Kyle Dunbar (Chemical Biology major)

Engineering Escherichia coli for Production of Alternative Fuels

Sponsor: Professor Michelle Chang, Chemistry

Samantha Liang (Bioengineering major)

Development of a Memory Selection Device for Engineering Bacteria

Sponsor: Professor J. Christopher Anderson, Bioengineering

Jason (Mingen) Liu (Plant and Microbial Biology major)

Development of New Genetic Techniques for Studying Photosynthesis in Chlamydomonas reinhardtii

Sponsor: Professor Krishna Niyogi, Plant and Microbial Biology

6:00–7:15 New Scholars' Reception, The Berkeley City Club Terrace,
in honor of the 2009–2010 Haas Scholars and Mentors

7:15–8:15 Film Screening and Discussion with Director
Seryna Thai: *The Mekong River (Song Me Kong)*

SATURDAY, MAY 2

The Drawing Room, The Berkeley City Club

10:00–10:30 Welcome and Coffee

10:30–12:00 Detect, Recognize, Classify

Chair: Professor Thomas Griffiths, Psychology

James Jung Lee (Engineering Physics major)

Development of Time-Resolving Magnetometers with Single-Spin Sensitivity

Sponsor: Professor Irfan Siddiqi, Physics

Joseph J. Lim (Computer Science and Applied Mathematics major)

Object Recognition by Contour Extraction

Sponsor: Professor Jitendra Malik, Electrical Engineering and Computer Science

Jason B. Martin (Cognitive Science and Statistics major)

A Walk Through Face Space: Affect Classification Using Markov Chain Monte Carlo

Sponsor: Professor Thomas Griffiths, Psychology

12:00–12:45 Light Lunch, The Berkeley City Club Terrace

12:45–2:15 Structural Transformations

Chair: Professor Irina Conboy, Bioengineering

Say Tar Goh (Molecular and Cell Biology major)

Characterization of DNA Damage Repair in Myogenic Precursors

Sponsor: Professor Irina Conboy, Bioengineering

Geoffrey Brookshire (Psychology major)

Things Are Looking Up: How We Use Spatial Concepts to Think About Emotions

Sponsor: Professor Richard Ivry, Psychology

Allen Kwong (Molecular and Cell Biology major)

Steric Constraints on Anthrax Toxin Translation

Sponsor: Professor Bryan Krantz, Molecular and Cell Biology

2:30–4:00 Exploring the Body, Exploring the Psyche: The Individual and Society in Healing and Visual Arts

Chair: Professor Darcy Grimaldo Grigsby, History of Art

Sina Akhavan (Integrative Biology major)

Curses, Invocations? An Investigation into the Medical Ethnobotany of the Kosovo Roma

Sponsor: Professor Thomas Carlson, Integrative Biology

Jaimee Comstock-Skipp (Near Eastern Studies and History of Art major)

Redefining Orientalism in British Artistic Representations of the Sultan Hassan Mosque in Cairo

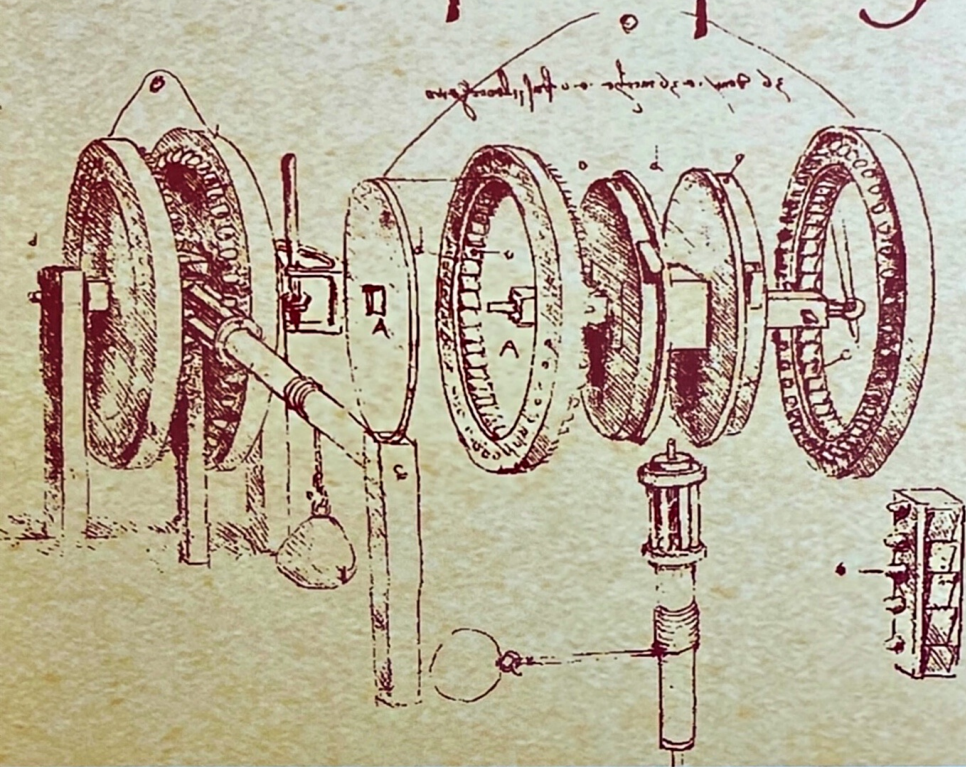
Sponsor: Professor Margaret Larkin, Near Eastern Studies

Sonia Fleury (History of Art and History major)

The World that Comes to Me to Be Painted: Individual and Society in Courbet's Oeuvre

Sponsor: Professor Darcy Grimaldo Grigsby, History of Art

The Anatomy of Inquiry



Robert &
Colleen
Haas Scholars
Program

2009 Haas Scholars
Undergraduate
Research Conference

University of California, Berkeley
Office of Undergraduate Research
Haas Scholars Program
301 Campbell Hall #2922
Berkeley, CA 94720-2922

