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.

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 Whissell, 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 Santosacoy (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
Evaroosa 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 Michael Chang, Chemistry
Samantha Liang (Bioengineering major)
Development of a Memory Selection Device for Engineering Bacteria
Sponsor: Professor J. Christopher Anderson, Bioengineering

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, Invocation? An Investigation into the Medical Ethnobotany of the Kasaba 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