

Robert &
Colleen
HaasScholars
Program

F O C A L
P O I N T S

V I S I O N
R E S E A R C H
R E V E L A T I O N

**2005
Haas Scholars
Undergraduate
Research
Conference**

UNIVERSITY
OF CALIFORNIA,
BERKELEY

APRIL 7-9
Theatrical
Performance

APRIL 29-30
Conference
The Faculty Club

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

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

F O C A L
P O I N T S

2005 Haas Scholars
Undergraduate
Research Conference



1-43281-13403-40-A

Since first envisioning their projects more than a year ago, the 2004–2005 Haas Scholars have conducted their research in relentless pursuit of clarity, direction, and excellence.

Along the way, their sharply focused efforts have yielded flashes of insight that have served to illuminate and inspire the whole group.

Please join the Haas Scholars as they bring their chosen questions into focus, shed light on their research, and impart their revelations.

Theatrical Performance

*Authentic:
A Digital Apology
(and Fairy Tale)*

Translated and narrated by Margaret Linklater

Adapted to the stage by Jacob Coakley

April 7, 8, and 9

8:00 PM

La Val's Northside Subterranean Theatre

1834 Euclid Avenue at Hearst in Berkeley

Admission free

Design by Nancy Carroll

FRIDAY, APRIL 29

The Faculty Club, Heyns Room

- 10:00–10:30 **Welcome and Coffee**
- 10:30–12:00 **One Gene to Rule Them All: Viability, Infection, and Evil Cells**
Chair: Professor Robert Fischer, Plant and Microbial Biology
Carolina Dallett (Plant and Microbial Biology Major)
How a DNA Repair Enzyme (DME) Controls Gene Transcription
Sponsor: Professor Robert Fischer, Plant and Microbial Biology
Daniil Prigozhin (Molecular and Cell Biology and Mathematics Major)
Sequence Analysis of a Novel Dengue Virus Strain
Sponsor: Professor Eva Harris, Public Health
David H. Nguyen (Molecular and Cell Biology Major)
Role of PKCzeta Nuclear-localization in Transformation by v-Src
Sponsor: Professor G. Steven Martin, Molecular and Cell Biology
- 12:00–1:30 **Lunch, Howard Room, in honor of 2004–2005 scholars and mentors**
- 1:30–3:00 **Two Biologists, an Engineer, and a Laboratory**
Chair: Professor Gregory Aponte, Nutritional Sciences
Calvin Tyi Hang (Molecular and Cell Biology Major)
Identifying a Potential Dietary Activator and Regulation of Expression of a Newly-Cloned Intestinal Orphan Receptor
Sponsor: Professor Gregory Aponte, Nutritional Sciences
Lorraine M. Wang (Molecular and Cell Biology Major)
Subcellular Targeting of the p21-Activated Protein Kinase, Cla4
Sponsor: Professor Jeremy Thorner, Molecular and Cell Biology
Andrew Pascall (Chemical Engineering Major)
A Study of Selective Knoevenagel Condensation Catalysts
Sponsor: Professor Alexander Katz, Chemical Engineering
- 3:15–4:15 **Performing Under Pressure: In the Face of Endocrine Disruption and Memory Incentives**
Chair: Professor Tyrone Hayes, Integrative Biology
Rahul Modi (Psychology Major)
Reward Motivation and Working Memory
Sponsor: Professor Mark D'Esposito, Neuroscience
Patricia Hom (Integrative Biology Major)
Effects of Environmental Atrazine Contamination on Rana Pipiens Gonadal Development
Sponsor: Professor Tyrone Hayes, Integrative Biology
- 4:30–5:30 **Authority and Authentication: Nietzsche on the Will to Power, Hans Christian Andersen, and Media Theory (with Pirates)**
Chair: Teresa Strathman, Director, Office of Undergraduate Research
Jacob Coakley (English Major)
Diamonds, Swords, and Video Cameras
Sponsor: Professor Celeste Langan, English
Jin S. Lee (Philosophy Major)
Nietzsche on the Will to Power
Sponsor: Professor Emeritus Wallace Matson, Philosophy
- 5:30–7:00 **New Scholars Reception, Howard Room**

SATURDAY, MAY 1

The Faculty Club, Heyns Room

- 10:00–10:30 **Welcome and Coffee**
- 10:30–12:00 **Uncovering Voices of the Past**
Chair: Professor Darcy Grigsby, History of Art
Alejandra Dubcovsky (History Major)
Impossible Witnesses, Recording and Describing Slavery: An Exploration of Slave Letters
Sponsor: Professor David Henkin, History
Susannette Burroughs (History of Art Major)
To Pass Through History and Enter Sanctity: The 'Last Judgment' Mosaic of Prague Cathedral
Jessica Stevenson-Stewart (History of Art Major)
Orientalist Exposures: Image, Authority, and Empire in Gertrude Bell's Photographic Archive
Sponsor: Professor Darcy Grigsby, History of Art
- 12:00–12:30 **Light Lunch, Heyns Room**
- 12:30–2:00 **Invading Our Living Rooms: Worlds Shaped by Media**
Chair: Professor Robert Calo, Graduate School of Journalism
Gary K. Li (American Studies and English Major)
Queer en masse: Heterosexual Haunting and Commodity Fetishism in Mass Culture Representations of Homosexuality
Sponsor: Professor Anne A. Cheng, English
Daniel Faltz (Film Studies Major)
Angels, Vixens, and Supermamas: American Television Action Heroines, 1965–1979
Sponsor: Professor Carol J. Clover, Film Studies, Rhetoric, and Scandinavian Departments
Chau Nguyen Doan (Mass Communications Major)
Covering Media Concentration
Sponsor: Professor Robert Calo, Graduate School of Journalism
- 2:15–3:45 **Policy and Its Discontents: The Need for Societal Intervention**
Chair: Professor David Collier, Political Science
Tammy Elwell (Political Economy of Industrial Societies Major)
Targeted Spending for the Very Poor in Chile
Sponsor: Professor David Collier, Political Science
Kangying Connie Wu (Political Economy of Industrial Societies Major)
Mediation Committees in a Modernizing China: Social Class, Property, and Law in Beijing Neighborhoods
Sponsor: Professor Thomas Gold, Sociology
Crystal Liu (Political Science and Molecular and Cell Biology Major)
PGD and Public Policy: Ethical Implications and How to Address Them
Sponsor: Professor Robert Kagan, Political Science

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