The 2004 conference theme — Fiat f(lux) — plays with the UC motto, Fiat Lux (let there be light, or wisdom), on several levels. This year's Haas Scholars seek to advance knowledge and understanding by building on UC's academic traditions and resources. At the same time, through their groundbreaking research and art, they seek to affect change (or flux) in the academy and beyond.

The algebraic form applied to the Latin motto, Fiat f(lux), suggests the inclusion of science and engineering research; as well as social science, humanities, and the arts.

The core of the Fiat f(lux) sunburst symbolizes the scholars' collective energy; the emanating rays represent the creativity generated by interdisciplinary exchange and friendship.

We invite you to join this respectful and democratic community in celebrating the culmination of this year's remarkable work.

FRIDAY, APRIL 30
The Faculty Club, Heyns Room

10:15–10:45  Welcome and Coffee
10:45–12:15  Genes, Proteins, and Peptides: Probing the Molecules of Life
Chair: Professor Susan Marqusee, Molecular and Cell Biology
Nasim Sadeghian (Molecular and Cell Biology Major)
Cloning of Extended Auricle 1: A Maize Leaf Developmental Mutant
Sponsor: Professor Michael Freeing, Plant and Microbial Biology
Irene Wong (Molecular and Cell Biology and Japanese Major)
A Novel Approach to Synthetic Vaccine for HIV-1 Involving a Beta-Hairpin Peptide Having Fluoroaromatic Amino Acids
Sponsor: Ahamindra Jain, Lecturer, Chemistry
Jacqueline Gilmore (Molecular and Cell Biology Major)
Investigation of the Biophysical Origin of Proteolytic Resistance
Sponsor: Susan Marqusee, Molecular and Cell Biology

12:15–1:45  Lunch, Howard Room, to honor the 2003–2004 scholars and mentors

2:00–3:30  The Revolution Will Not Be Televised: Community Activism in Response to Marginality
Chair: Professor Laura Nader, Anthropology
Malcolm Harvey (Sociology Major)
The Association Between Combat Post-Traumatic Stress Disorder, Self-Perception, and Worldview — and its Social Ramifications
Sponsor: Professor Kim Voss, Sociology
Jason Malinsky (Individual Major: Environmental Policy and Investigative Reporting)
The Obligation to Endure: Pesticide Poisonings in California
Sponsor: Professor William Berry, Earth and Planetary Science
Laura Alarcón (Anthropology Major)
Shaping a Nation: Middle Class Mobilization in Caracas
Sponsor: Professor Laura Nader, Anthropology

3:45–5:15  Searching for Meaning
Chair: Professor Ananya Roy, City and Regional Planning
Timothy Poore (Psychology Major)
Effects of Unconditional Self-Construal on Vigilance and Performance: The Role of “Positive Glow”
Sponsor: Professor Rodolfo Mendoza-Denton, Psychology
Elizabeth Lane (Philosophy Major)
The Elderly Among Us (Photography project)
Sponsor: Professor Emerita Penny Dhaemers, Visual Studies, Architecture
Dafna Kory (Interdisciplinary Studies Field Major)
Give and Take: Charity and Tourism in Bodhgaya, India
Sponsor: Professor Ananya Roy, City and Regional Planning

5:15–7:00  New Scholars Reception, Howard Room
7:15–8:00  A Scratched Lens: Readings from Zeina Halim's Novel-in-Progress, followed by discussion

Theatrical Performance
An all-female performance of Shakespeare’s Twelfth Night
Directed by Crystal Finn
Durham Studio Theater
April 21–23, 7:30
Admission free

Photo Exhibition
Still Moments of a World in Flux:
the Photographs of Dafna Kory, Elizabeth Lane, and Jason Malinsky
Wurster Hall lobby
Opening: April 29, 5:00–8:00
Exhibition: April 30–May 1
SATURDAY, MAY 1
The Faculty Club, Heyns Room

9:00–9:30 Welcome and Coffee

9:30–11:00 The Border Fallacy: Pressures on Gender, Culture, and Nation
Chair: Professor Joel Altman, English

Crystal Finn (English Major)
Women Playing Men: Cross-Gender Conditions in Shakespeare Performance
Sponsor: Professor Joel Altman, English

Zeina Halim (English Major)
An Egyptian-American Author Wrestles with Sexuality and Religion in the Writing of Her First Novel
Sponsor: Ishmael Reed, Senior Lecturer, English

Faisal Ghori (History Major)
Secret Trials and Deportations
Sponsor: Professor Kiren Chaudhry, Political Science

11:15–12:15 Catalysts and Computers: Novel Technological Approaches to Societal Challenges
Chair: Professor Alex Katz, Chemical Engineering

Sandra Anderson (Chemistry Major)
The Interplay Between Local Organization and Activity of a Heterogeneous Base Catalyst
Sponsor: Professor Alex Katz, Chemical Engineering

Margaret You (Electrical Engineering and Computer Sciences Major)
Tangible Messaging: Accessible Technology for the Elderly
Sponsor: Professor Anir Dey, Electrical Engineering and Computer Sciences

12:15–12:45 Light Lunch, Heyns Room

12:45–2:15 The Ongoing War Between Man and Microbe: Pathogen Survival and Host Response
Chair: Professor Sangwei Lu, Public Health

Jonathan Cligan (Molecular and Cell Biology Major)
A Functional Study of HCMV UL 117 Transcript and Protein
Sponsor: Professor Fenying Liu, Public Health

Raul Clavijo (Molecular and Cell Biology Major)
Role of the cadAB Operon in the Egg Resistance of Salmonella
Sponsor: Professor Sangwei Lu, Public Health

Manasa Basavapatna (Molecular and Cell Biology and Social Welfare Major)
Role of Interferons in Primary Dengue Infection in Mice
Sponsor: Professor Eva Harris, Public Health

2:30–4:00 A Place of One’s Own
Chair: Professor Dawne Moon, Sociology

Gregory Hughes (Sociology Major)
Exploring Rural Gay Identity and Community Formation
Sponsor: Professor Dawne Moon, Sociology

Tara Rado (Anthropology Major)
“Here, We Are Artistas:” Sex Work and Daily Life in a Public Park in Downtown Rio de Janeiro
Sponsor: Professor Nancy Schepker-Hughes, Anthropology

Alysoun Quinby (Linguistics Major)
Linguistic Atlas of River Yurok
Sponsor: Professor Andrew Garrett, Linguistics