Zooming In: research beyond the pandemic

2022 HAAS SCHOLARS UNDERGRADUATE RESEARCH CONFERENCE
UNIVERSITY OF CALIFORNIA, BERKELEY
JANUARY 13–14, 2022

Virtual Only
Zoom link both days: tinyurl.com/HSPconf2022
Welcome! Acknowledging the pandemic reality while envisioning a future beyond it, this year’s conference will be “hybrid” on day 1, remote on day 2. Both days will be packed with exciting, broad-ranging, and impactful findings. Our theme celebrates the creativity and persistence of scholars who have surmounted technical challenges, travel restrictions, and the lack of certainty in this time of transition to “zoom in” on their topics. Taking a deeper and closer look, the 2021-2022 Haas Scholars have each discovered bold new insights which they now proudly share.

PHOTOGRAPHY EXHIBITS

Both days: online at tinyurl.com/HSPconf2022photos

Neurons Responsible for Gut Satiety
Yanying Tiffany Chen

The Making of Volver a mi pueblo
Danielle Cosmes Aguilar

Trash and Blight in Oakland
Violet Henderson

Investigating Dengue and COVID
Richard Ruan

i found god in myself
Sera Smith

FILM SCREENING

January 14
Volver a mi pueblo
Danielle Cosmes Aguilar

THURSDAY, JANUARY 13, 2022
Online via Zoom: tinyurl.com/HSPconf2022
NO IN-PERSON EVENT

10:45  Zoom meeting opens
11:00–12:00  Moving Beyond the Prison: Investigating Carceral Impacts on the Outside
Chair: David Harding, Sociology
Tonatiuh Beltran (Sociology major)
What Resources and Policies Could Best Support Children of Incarcerated Parents?
Faculty Mentor: Pablo González, Ethnic Studies
Johnny Smith (Sociology major)
The Care/Control Dilemma: How Contemporary "Synthetic" Probation Officers Reconcile Occupational Duality
Faculty Mentor: David Harding, Sociology
12:00–12:45  Lunch on your own
12:45–1:30  Student speeches followed by breakout rooms for audience members to interact with Haas Scholars and mentors
1:30–3:00  Unforgettable Innate Immunity
Chair: Fenyong Liu, Public Health
Christian Nixon (Molecular & Cell Biology major, Asian American Studies minor)
The Role of Circular RNAs in Human Cytomegalovirus
Faculty Mentor: Fenyong Liu, Public Health
Hector López-Orozco (Molecular & Cell Biology major)
The Role of Mannose-Binding Lectin (MBL)-Associated Serine Protease (MASP-1) in Immune Recognition of Human Cytomegalovirus (HCMV)
Faculty Mentor: Fenyong Liu, Public Health
Seung Won Lee (Molecular & Cell Biology major, Korean minor)
Genetic Modulation of Two Phosphatases, Ptpn6 and Ptpn22, to Examine their Role in NK Cell Desensitization
Faculty Mentor: David Raulet, Molecular & Cell Biology
3:15–4:15  Debunking the Lie: The Whole Truth About the Carceral State
Chair: David Card, Economics
Laura Rambo (Economics major)
Prison Projects as Economic Panaceas? Testing the Claim that has Influenced Policy for Decades
Faculty Mentor: David Card, Economics
Kevin McCarthy (Legal Studies major)
STEP Back: Reimagining How We View and Treat Gang-Labeled Youth
Faculty Mentor: Jonathan Simon, Law

FRIDAY, JANUARY 14, 2022
Online via Zoom: tinyurl.com/HSPconf2022

7:45  Zoom meeting opens
8:00–9:00  Beyond Mere Inclusion and Towards Understanding: Insights into Awe and Remote Learning
Chair: Ann Glusker, Librarian for Sociology, Demography, Public Policy, Psychology, and Quantitative Research
Hari Srinivasan (Psychology major, Disability Studies minor)
The Autistic Experience of Awe: Can Awe Become a Tool in the Autistic Coping Toolbox?
Faculty Mentor: Dacher Keltner, Psychology
Jae Manion (Sociology major)
The Doom of Zoom? What the Experiences of Students with Impairments During the Shift to Remote and Zoom Learning Can Tell us About Disability
Faculty Mentor: Mary Kelsey, Sociology
9:15–10:15 Appetite for Knowledge and Infectious Passion
Chair: Eva Harris, Public Health
Richard Ruan (Bioengineering major, Data Science minor)
Identifying Host Factors Critical for Viral Toxin-Mediated Vascular Leak
Faculty Mentor: Eva Harris, Public Health
Yanying Tiffany Chen (Molecular & Cell Biology and Public Health majors)
Spatial Characterization of Mechanosensory and Chemosensory Receptor Expression in Drosophila's Digestive Tract
Faculty Mentor: Kristin Scott, Molecular & Cell Biology

10:30–12:00 Products of the Past: Languages and Legacies of Oral, Written, and Visual Expression
Chair: Estelle Tarica, Spanish & Portuguese
Gianfranco Centeno Gastelo (Comparative Literature and Spanish Literature majors)
The Effect of Colonization in Inca Garcilaso de la Vega’s and Guaman Poma de Ayala’s Self-Figurations
Faculty Mentor: Ignacio Navarrete, Spanish & Portuguese
Eunice Elizabeth Paredes Zamudio (Spanish & Portuguese major)
The Popol Vuh in the Guatemalan Diasporic Communities of East Oakland, CA
Faculty Mentor: Estelle Tarica, Spanish & Portuguese
Jonah Lounds (History major)
Clothing for a Crocodile: the Humanization of Nature in Post-Stalinist Children’s Medias
Faculty Mentor: Victoria Frede-Montemayor, History

12:00–12:30 Break for lunch on your own

12:30–1:00 Breakout rooms for audience members to interact with Haas Scholars and mentors

1:00–2:00 Land and Displacement: Visual Media Research
Chair: Victoria Robinson, American Cultures and Ethnic Studies
Danielle Cosmes Aguilar (Ethnic Studies major, Luso-Brazilian Language & Literature minor)
Me Espera un Pueblo: Return Migration to Ancestral Homelands in Oaxaca, México
Faculty Mentors: Victoria Robinson, American Cultures and Ethnic Studies and Raymond Telles, Ethnic Studies
Simran Kaur (Public Health major, Public Policy minor)
Human Rights Violations in India’s Farmers’ Protests
Faculty Mentor: Hany Farid, Electrical Engineering & Computer Sciences and School of Information

2:15–2:45 Film Screening: Volver a mi pueblo
Danielle Cosmes Aguilar (Ethnic Studies major, Luso-Brazilian Language & Literature minor)
Moderator: Raymond Telles, Ethnic Studies

3:00–4:30 Trauma and Healing in Transition
Chair: Kate O’Neill, Environmental Science, Policy & Management
Violet Henderson (Conservation & Resource Studies and African American Studies majors)
How Do People Living Next to Illegal Dump Sites in Oakland Cope with the Psychological and Physical Consequences?
Faculty Mentor: Kate O’Neill, Environmental Science, Policy & Management
Sera Smith (Rhetoric and African American Studies majors, Journalism minor)
Rearticulated Healing Experiences in the Adaptation of for colored girls who have considered suicide /
when the rainbow is enuf
Faculty Mentor: Chiyuma Elliott, African American Studies
Desi Carrasco (Sociology and American Studies majors)
Playing in the Margins: Homeless Youth, Sports, and Development
Faculty Mentor: Derek Van Rheenen, Education

4:30 Goodbyes
2022 Haas Scholars
Undergraduate
Research Conference