

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)
Rarticulated 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**

University of California, Berkeley

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2022 Haas Scholars
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Robert &
Colleen
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