

THE UNDERGRADUATE RESEARCH CENTER PRESENTS

SUMMER RESEARCH

PROGRAM 2021

Research Conference



OXY Occidental College

August 4, 2021

Dear Summer Research Conference Attendees,

On behalf of the Occidental College Undergraduate Research Center, it is my pleasure to welcome you to our 22nd annual Summer Research Conference. We are proud to recognize the achievements of our 2021 SRP cohort who, with guidance from their faculty-mentors, have spent the last ten weeks immersed in independent research or creative projects.

Undergraduate research is a signature component of the Occidental College education; faculty-mentored research activities in the sciences can be traced back to the 1950's at the College. In order to expand faculty-mentored research beyond the sciences, an Undergraduate Research Center (URC) was established in 1998. Under the guidance of founding director, Dr. Chris Craney, the first Occidental College Summer Research Program (SRP) was held the following summer. Today, 143 students from the SRP and the UEP/UEPI Summer Internship Program will be presenting their work!

Occidental's commitment to building a community of scholars and to providing a forum to showcase their achievements stems from the conviction that such activities play a critical role in promoting students' intellectual autonomy, curiosity, and responsibility. Faculty-mentored research allows students to take an active role in their own education and encourages them to apply, challenge, and further what they are taught in classrooms.

Congratulations to our student presenters and best wishes to everyone for an interesting and exciting day!

Sincerely,



Clair Morrissey

Faculty Director, Undergraduate Research Center
Associate Professor of Philosophy

Undergraduate Research Center

1600 Campus Road F-24, Los Angeles, CA 90041-3314 | 323-259-1414 | oxy.edu/urc

2021 URC Summer Research Program Conference Schedule of Events • August 4, 2021

9:00-9:20 AM	Welcome in the Virtual Quad Prof. Clair Morrissey, URC Director Department of Philosophy Associate Professor
9:30 – 10:30 AM	Talks, Session One Location: Gatherly Rooms
10:45 – 11:45 AM	Poster Presentations, Session One Location: Gatherly Halls
11:45 AM – 12:30 PM	Lunch Break
12:30 – 1:15 PM	Talks, Session Two Location: Gatherly Rooms
1:30 – 2:30 PM	Poster Presentations, Session Two Location: Gatherly Halls
2:45 – 3:45 PM	Talks, Session Three Location: Gatherly Rooms
4:00 – 5:00 PM	Talks, Session Four Location: Gatherly Rooms
5:00 PM	Conference Ends
5:30 – 6:30 PM	End-of-Conference Dinner Reception Location: Gilman Fountain Plaza

Questions? Visit the helpdesk located in the Welcome Lobby

Talks, Session One (9:30-10:30 AM)

Session 1A: Jacaranda Room

Moderator: Amy Lyford

- 9:30 Freeway Construction and Human Displacement
Wren Andres
Mentor: Amy Lyford (Art & Art History)
- 9:45 Post-Modern Orientalism: American Misreadings and Misconceptions of Chinese Contemporary Art
Ray Corpus
Mentor: Amy Lyford (Art & Art History)
- 10:00 Early Critical Reception of the Southern California Light and Space Movement
Olivia Fishman
Mentor: Amy Lyford (Art & Art History)
- 10:15 Humanizing Healthcare: Studying the Implementation of the PPE Portrait Project at LAC+USC Medical Center
Eliza Kirk
Mentor: Mary Beth Heffernan (Art & Art History)

Session 1B: Oak Room

Moderator: Eileen Spain

- 9:30 Reshaping Cornea Using Electrochemistry
Michelle Huang
Mentor: Michael Hill (Chemistry)
- 9:45 Electromechanical Reshaping of Cornea
Jack Thomas-Colwell
Mentor: Michael Hill (Chemistry)
- 10:00 Influence of Diffusible Signaling Factor (cis-11-Methyl-2-dodecenoic acid) on Predation of E. coli by B. bacteriovorus on Surfaces
Valerie Cho
Mentor: Eileen Spain (Chemistry)
- 10:15 Recognition of Prey E. coli with Different Number of Phosphates on its Lipid A by Bdellovibrio Bacteriovorus
Joanne Yi
Mentor: Eileen Spain (Chemistry)

Session 1C: Olive Room
Moderator: Maryanne Horowitz

- 9:30 From The Federalist to The Examination: An overview of Alexander Hamilton's view of executive power
Matt Chopp
Mentor: Sharla Fett (History)
- 9:45 Examining Connections Between Conservation and Eugenics in the Rhetoric of Theodore Roosevelt
Gus Grunau
Mentor: Maryanne Horowitz (History)
- 10:00 Protesting and Polarization: How Media Has Influenced Public Perception of Protests in The United States
Rowan Hoffman
Mentor: Jane Hong (History)
- 10:15 Identities and Mobilization in 1911 Chinese Revolution: Sichuan as an example
Zhuogeng Li
Mentor: Alexander F. Day (East Asian Studies, History)

Session 1D: Sycamore Room
Moderator: Mary Christianakis

- 9:30 Meeting the Demands of Immigration Based Non-Profits
Pilli Jaquez
Mentor: Mary Christianakis (Critical Theory & Social Justice)
- 9:45 Meeting the Demands of Immigration Based Non-Profits
Karen Garnica
Mentor: Mary Christianakis (Critical Theory & Social Justice)
- 10:00 Meeting the Demands of Immigration Based Non-Profits
Clara Sena-Gersh
Mentor: Mary Christianakis (Critical Theory & Social Justice)
- 10:15 Meeting the Demands of Immigration Based Non-Profits
Thea Wilson
Mentor: Mary Christianakis (Critical Theory & Social Justice)

Session 1E: Manzanita Room
Moderator: Sabrina Stierwalt

- 9:30 The Impact of Holistic Structures on Heat Transport in Narrow Rayleigh-Bénard Convection Systems
Ben Faith
Mentor: Janet Scheel (Physics)
- 9:45 The Dependence of Lyapunov Exponents on Rayleigh Number for Rayleigh-Bénard Convection
Jeffrey Yang
Mentor: Janet Scheel (Physics)
- 10:00 Star Clusters in Interacting Dwarf Galaxies
Tehreem Hai
Mentor: Sabrina Stierwalt (Physics)
- 10:15 Looking for Black Holes in Dwarf Galaxies
Olivia Yang
Mentor: Sabrina Stierwalt (Physics)

Posters, Session One (10:45-11:45 AM)

Session 1A: California Poppy Hall

Poster #

- 1 Gas from the Ground
Ishan Ashford
Mentor: Christopher Oze (Geology)
- 2 Primary Cell Culture of Adult Zebrafish Neurons
Areli Fernandez Orozco
Mentor: Joseph Schulz (Biology)
- 3 Life's a Leech: The Microbial Community Inside of the Southern Californian Marine Leech *Pterobdella abditovesiculata*
Rachel Iskanian
Mentor: Shana Goffredi (Biology)
- 4 Environmental Ethics: A case study of monarch migration
Kel Kline
Mentor: Gretchen North (Biology) & Clair Morrissey (Philosophy)
- 5 Understanding migration patterns in the Western Kingbird to assess impacts of climate change
Zerlina Lai
Mentor: John McCormack (Biology)
- 6 Understanding migration patterns in the Painted Bunting to assess impacts of climate change
Melina Sanchez
Mentor: John McCormack (Biology)

Session 1B: Aster Hall

Poster #

- 1 Examining Power Structures and Pushing for a More Equitable Future in Alhambra and Monterey Park
Hunter Gries
Mentor: Martha Matsuoka (Urban & Environmental Policy)
- 2 Diachronic changes to journalistic orality: the (re)technologization of the word
Divya Prakash
Mentor: Jacob Mackey (Comparative Studies in Language & Culture)
- 3 The Smell of Sulphur: Understanding Revelation through Early Christianity's Interpretation of Fire and Brimstone
Alex Smith
Mentor: Kristi Upson-Saia (Religious Studies)
- 4 Resisting the Corporate Landlord Takeover of Los Angeles
Lena Sullivan
Mentor: Martha Matsuoka (Urban & Environmental Policy)

- 5 Quantifying the Impact of Sea Level Rise and Flooding on Airport Infrastructure
Benjamin Ventresca
Mentor: Jason Wong (Economics)

Session 1C: Golden Yarrow Hall

Poster #

- 1 Stress reactivity in sensitive discussions among young adults
Elizabeth Hagopian
Mentor: Patricia Cabral (Psychology)
- 2 Gen-Z's Online Political Choices in the Age of the Echo-Chamber
Emmaline Jeansonne
Mentor: Aleksandra Sherman (Cognitive Science)
- 3 Retrograde tracing reveals inputs to the ventral palladium in the rat brain
Rachel Kolpa
Mentor: Kevin Urstadt (Cognitive Science)
- 4 Exploring Individual Differences in Bitter/Sweet and Salt Taste Perception Through Rat Studies
Miaja Lemieux
Mentor: Nancy K. Dess (Psychology)
- 5 Awe & Our Internal Clock: Exploring Experiences of Awe In an Immersive Environment
Camille Williams
Mentor: Aleksandra Sherman (Cognitive Science)
- 6 Ethanol Studies Rat Lab
Luigi Maruani
Mentor: Nancy K. Dess (Psychology) & Dale Chapman (Psychology)

Session 1D: Yucca Hall

Poster #

- 1 Modeling Second-Order Theory of Mind through Computational Analogy
Loyal Bata
Mentor: Irina Rabkina (Computer Science)
- 2 Cognitive Modeling of Second-Order Theory of Mind
Elisa Corwin
Mentor: Irina Rabkina (Computer Science)
- 3 Analogical Theory of Mind for Multi-Agent Interaction in the Stag-Hunt Game
Dyani Dillard
Mentor: Irina Rabkina (Computer Science)
- 4 Variations in Uplift of the Tehachapi Mountains, Ca from Stream Channel Analysis
Madeline Doyle
Mentor: Ann Blythe (Geology)
- 5 Recognizing Intent in the Stag Hunt Game through Analogical Theory of Mind
Kathy Liu
Mentor: Irina Rabkina (Computer Science)
- 6 Testing Cosmological Predictions with Dwarf Galaxy groups
David Simpson-Heil
Mentor: Sabrina Stierwalt (Physics)
- 7 Dialect Contact in Los Angeles: An Emerging Linguistic Safe Haven
Noah Yee Yick
Mentor: Mariška Bolyanatz Brown (Spanish & French Studies)

Session 1E: Bird of Paradise Hall

Poster #

- 1 Using Virus Nanoparticles to Develop an Alternative Antagonist to Heparin
Rain (Jun Hyeok) Choi
Mentor: Andrew Udit (Chemistry)
- 2 Probing Cytochrome p450 biocatalysis via anaerobic redox titrations
Wesley Hsiao
Mentor: Andrew Udit (Chemistry)
- 3 Derivatization Studies of 3-Allyl Substituted Isobenzofuranones
Gisela Martinez
Mentor: Raul Navarro (Chemistry)
- 4 Synthesis and Evaluation of Substituted Allylic Esters for The Decarboxylative Allylation of Isobenzofuranones
Tim McClure
Mentor: Raul Navarro (Chemistry)

- 5 Anaerobic Titrations of Heme Protein/Surfactant Systems
Gianna Innocenti
Mentor: Andrew Udit (Chemistry)
- 6 Development of a Decarboxylative Allylic Alkylation of Isobenzofuranones:
Synthesis and Evaluation of Backbone-Substituted Phthalides
Connor Saldares
Mentor: Raul Navarro (Chemistry)

Talks, Session Two (12:30-1:15 PM)

Session 2A: Jacaranda Room

Moderator: Michael Amoruso

- 12:30 Migrants and Minarets: Notions of European Islamic identity in the Bosnian EU accession bid and 2015-2016 migrant crisis.
Andrew Foster
Mentor: Amy Holmes-Tagchungdarpa (Religious Studies)
- 12:45 Challenging Divine Authority - Gilgamesh's Rejection of Ishtar and Sacred Marriage
Elena Kervitsky
Mentor: Amy Holmes-Tagchungdarpa (Religious Studies)
- 1:00 The Divine Donald: Christian Nationalism, Spiritual Warfare Discourse, and Presidential Amorality in the Making of the Capitol Insurrection
Maggie Saucedo
Mentor: Amy Holmes-Tagchungdarpa (Religious Studies)

Session 2B: Oak Room

Moderator: Kevin Urstadt

- 12:30 Deprivation-Induced Hyperactivity: A Rat Model of Anorexia
Taylor Eng
Mentor: Nancy K. Dess (Psychology) & Dale Chapman (Psychology)
- 12:45 Does Food Insecurity Affect Emotionality?: A Comparative Psychology Approach with Occidental Hi-S and Lo-S Rats
Alonso Olvera-Gonzalez
Mentor: Nancy K. Dess (Psychology)
- 1:00 Investigating the Healthcare Experiences of LBQT Latina Women
Amanda Medina Segura
Mentor: Patricia Cabral (Psychology)

Session 2C: Olive Room

Moderator: Christopher Oze

- 12:30 Comparison of CO₂ and Methane Gas Flux in Different Urban and Oil Development Areas of Los Angeles
Caleigh Hoffmann
Mentor: Christopher Oze (Geology)
- 12:45 Reconstructing glacial fluctuations and late Holocene hydroclimate variability in the western U.S. from alpine lake sediments
Amelia Muscott
Mentor: Darren Larsen (Geology)
- 1:00 Perchlorate Retention and Removal in Martian Regolith
Anna Nefedenkova
Mentor: Christopher Oze (Geology)

Session 2D: Sycamore Room

Moderator: Broderick Fox

- 12:30 Art & Activism: Documentary Filmmaking and Collective Art as a Tool for Migrant Detention Abolition
Julie Riley
Mentor: Broderick Fox (Media Arts & Culture)
- 12:45 LA Stories: Intertwining the Built and the Natural Environments in Short Fiction
Aria Devlin
Mentor: Sarah Ostendorf (Writing & Rhetoric)
- 1:00 *Interruptions!* Printmaking as Resistance
Johnna Munsen
Mentor: Linda Lyke (Art & Art History)

Session 2E: Manzanita Room

Moderator: Sharon Cech

- 12:30 Urban Agriculture Summer Internship: Uncommon Good
Alyssa Pfitzer Price
Mentor: Sharon Cech (Urban & Environmental Policy Institute)
- 12:45 Urban Agriculture Summer Internship: Community Services Unlimited
Ashten Reese
Mentor: Sharon Cech (Urban & Environmental Policy Institute)
- 1:00 Urban Agriculture Summer Internship: The Urban Homestead
Irene Wickwire
Mentor: Sharon Cech (Urban & Environmental Policy Institute)

Session 2F: Cottonwood Room

Moderator: Clair Morrissey

- 12:30 Carbon nanotube-iron complexes as electrolytes for flow batteries
Edin Custo
Mentor: Emmanuelle Despagnet-Ayoub (Chemistry)
- 12:45 Developing borated iron complexes supported on carbon nanotubes for flow batteries
Hanyun Lou
Mentor: Emmanuelle Despagnet-Ayoub (Chemistry)
- 1:00 Oligomerization of Light Olefins to Heavy Olefins using a Nickel Catalyst on Carbon Nanotubes
Molly Davis
Mentor: Emmanuelle Despagnet-Ayoub (Chemistry)

Posters, Session Two (1:30-2:30 PM)

Session 2A: California Poppy Hall

Poster #

- 1 Carbon Nanotubes Covalently Functionalized By Organometallic Complexes For Redox Flow Batteries
Chester Cahill
Mentor: Emmanuelle Despagnet-Ayoub (Chemistry)
- 2 Particle Tracking in Turbulent Rayleigh-Bénard Systems
Ling Chen
Mentor: Janet Scheel (Physics)
- 3 Using Virus Nanoparticles to Develop an Alternative Antagonist to Heparin
Amanda Inglesias
Mentor: Andrew Udit (Biochemistry)
- 4 Using Virus Nanoparticles to Develop an Alternative Antagonist to Heparin
Mashly Martinez
Mentor: Andrew Udit (Biochemistry)
- 5 Synthesis of a Pyrene Iron Complex on Carbon Nanotube for Flow Batteries
Ella Surposa
Mentor: Emmanuelle Despagnet-Ayoub (Chemistry)
- 6 Converting Carbon Dioxide into Fuel: Nickel Catalyst Oligomerization of Light Olefins to Heavy Olefins for Lubricant Base Stocks
Aaliyah Washington
Mentor: Emmanuelle Despagnet-Ayoub (Chemistry)

Session 2B: Aster Hall

Poster #

- 1 Binding mechanism of albumin to Bdellovibrio Bacteriovorus and its effect on predation of E. Coli prey
Ho Jung Chung
Mentor: Eileen Spain (Chemistry)
- 2 Unnatural Amino Acid Synthesis via Alkylation of α -tert-Butanesulfinamide Auxiliary-Bound Enolates
Claire Luethe
Mentor: Jeffrey Cannon (Chemistry)
- 3 Stereoselective reduction of carbonyls via photoredox catalysis
Aerin Mellott
Mentor: Jeffrey Cannon (Chemistry)

- 4 Substrate Scope of Indolizidine Synthesis
Max Young
Mentor: Jeffrey Cannon (Chemistry)
- 5 Photoredox catalysis for forming ketyl radicals
Rachel Zhang
Mentor: Jeffrey Cannon (Chemistry)

Session 2C: Golden Yarrow Hall

Poster #

- 1 Electrochemical Supply for the Controlled Two-Electron Reduction of P450
Clara Dearden
Mentor: Michael Hill (Chemistry)
- 2 Selective oxidation with Ni/Fe layered double hydroxide catalyst
Griffin Eden
Mentor: Michael Hill (Chemistry)
- 4 Modeling Electron Flow from Cytochrome c to the copper A Domain of Cytochrome c Oxidase
Sierra Hunter
Mentor: Michael Hill (Chemistry)
- 5 Maintaining Cell Viability during the Electromechanical Reshaping of Cartilage
Jack Leonard
Mentor: Michael Hill (Chemistry)

Session 2D: Yucca Hall

Poster #

- 1 Implementing a Mobile Dental Clinic to Address the Oral Health Needs of San Gabriel Valley Residents
Sherin Aboobucker Sidiq
Mentor: Jessica Dirkes (Public Health)
- 2 Assessing the Impacts of the COVID-19 Pandemic on Cancer Screening
Matthew De Koch
Mentor: Jessica Dirkes (Public Health)
- 3 Understanding the Role of Shared Governance at Community College Campuses
Emily Kapins
Mentor: Jessica Dirkes (Public Health)
- 4 SCANPH: Addressing the Housing Affordability Crisis from Policy to Development.
Emilio Pardi
Mentor: Martha Matsuoka (Urban & Environmental Policy)

- 5 Maximizing Patient Experience at LA Community Health Clinic Through Education, Outreach and Communication
Shanna Yeh
Mentor: Jessica Dirkes (Public Health)
- 6 Tenant Organizing in LA: The Fight for Housing Justice During and After the Pandemic
Jenn Zaratan
Mentor: Martha Matsuoka (Urban & Environmental Policy)

Session 2E: Bird of Paradise Hall

Poster #

- 1 Measuring B-Cell Responses against *Corynebacterium Pseudotuberculosis* Antigens
Alejandra Herrera
Mentor: Roberta Pollock (Biology) & Karen Molinder (Biology)
- 2 The Blood Suckers of the Sea: Investigations on the *Branchellion* leech from Southern California and its Microbial Community
Anahy Lizarraga
Mentor: Shana Goffredi (Biology)
- 3 Helper T cell response to Vaccination with *Corynebacterium pseudotuberculosis* Antigens
Brian Park
Mentor: Roberta Pollock (Biology) & Karen Molinder (Biology)
- 4 Communicating Science at Cabrillo Marine Aquarium through Biological Illustration and Exhibit Design
Adriana Pera
Mentor: Shana Goffredi (Biology)
- 5 Cloning of *tba-1* Suppressor Mutation in *C. elegans*
Noah Rakestraw
Mentor: Renee Baran (Biology)
- 6 How tank water pH affects phosphorus uptake and the microbiome in epiphytic tank bromeliads
Mira Ranganath
Mentor: Gretchen North (Biology)
- 7 Leaf heat and drought tolerance of C3, CAM, and C3-CAM epiphytic bromeliads occupying distinct elevations of the tropical forest canopy
Joseph Shiina
Mentor: Gretchen North (Biology)

Talks, Session Three (2:45-3:45 PM)

Session 3A: Jacaranda Room

Moderator: Ryan Preston-Roedder

- 2:45 Political Language Games
Liz Frissell
Mentor: Robert Sanchez (Philosophy)
- 3:00 Learning from Fiction: Knowledge and Understanding
Ava Lubetkin
Mentor: Clair Morrissey (Philosophy)
- 3:15 The Importance of the Body to Misogyny: Objections to Kate Manne's *Down Girl*
Odelia Raz Zuckerman
Mentor: Clair Morrissey (Philosophy)
- 3:30 The Path From Delusion to Moral Maturity in the Philosophy of James Baldwin
Patrick Walsh
Mentor: Ryan Preston-Roedder (Philosophy)

Session 3B: Oak Room

Moderator: Jeffrey Cannon

- 2:45 Combined Photoredox and Titanium Catalysis at carbonyl groups
Lucien Delgutte
Mentor: Jeffrey Cannon (Chemistry)
- 3:00 Synthesis of Indolizidines from L-Pyroglutamic acid using the Ireland-Claisen rearrangement and Ring-closing Metathesis
Clarissa Kiyomura
Mentor: Jeffrey Cannon (Chemistry)
- 3:15 Visible Light Photoredox Catalyzed Functionalization of Alkenes with 1,3-Dicarbonyls
Kian Shamskhov
Mentor: Jeffrey Cannon (Chemistry)

Session 3C: Olive Room

Moderator: Mariška Bolyanatz Brown

- 2:45 Effects of Age on Chilean Voice Quality
Jackson Eddy
Mentor: Mariška Bolyanatz Brown (Spanish & French Studies)
- 3:00 Effects of Gender on Voice Quality in Chilean Spanish
Ethan Ferrall
Mentor: Mariška Bolyanatz Brown (Spanish & French Studies)
- 3:15 "Queering le strade": An Analysis of Visual Framing Tactics in Italian Pride Parades in Bologna & Rome
Oli Vorster
Mentor: Phillip Ayoub (Diplomacy & World Affairs)

- 3:30 Lobbying American Foreign Policy- The Caesar Sanctions
Mira Tarabeine
Mentor: Mary Christianakis (Critical Theory & Social Justice)

Session 3D: Sycamore Room

Moderator: Martha Matsuoka

- 2:45 Combatting Global White Supremacist Terror Through Advocacy
Leela Cullity Younger
Mentor: Mary Christianakis (Critical Theory & Social Justice)
- 3:00 The Importance of a Digital Presence for Non-Profit Organizations: Esperanza
Immigrant Rights Project as a Case Study
Femke Teunissen
Mentor: Mary Christianakis (Critical Theory & Social Justice)
- 3:15 Affordable Housing Development in Southern California
Anna Sasser
Mentor: Martha Matsuoka (Urban & Environmental Policy)
- 3:30 Making Housing and Community Happen!
John Gayden
Mentor: Martha Matsuoka (Urban & Environmental Policy)

Session 3E: Manzanita Room

Moderator: Amber Stubler

- 2:45 Understanding the Effects of Ocean Acidification on Gastropods Through the Cosman
Shell Collection
McClaran Shirley
Mentor: Amber Stubler (Biology)
- 3:00 From museum to medicine — extracting DNA from museum specimens of fish hunting
cone-snails
Hyun Young Gill
Mentor: Joseph Schulz (Biology)
- 3:15 Isolation of Adult Zebrafish Spinal Neurons in Culture
Danielle Shores
Mentor: Joseph Schulz (Biology)
- 3:30 Evolutionary divergence in Yellow Grosbeaks in the forests of Mexico
Maeve Secor
Mentor: John McCormack (Biology)

Session 3F: Cottonwood Room
Moderator: Malek Moazzam-Doulat

- 2:45 The Weight of the Pandemic: A Comprehensive Analysis of Fat Activist TikTokers in the U.S.
Mary Ambriz
Mentor: Caroline Heldman (Critical Theory & Social Justice)
- 3:00 A Theoretical Examination of American Necropolitics: Understanding the School to Prison Pipeline
Ishaani N. Gokli
Mentor: Malek Moazzam-Doulat (Critical Theory & Social Justice)
- 3:15 Gentrification: Using Zapatista Frameworks to Understand the Before + Beyond...?
Lis Jimenez
Mentor: Caroline Heldman (Critical Theory & Social Justice)
- 3:30 Gender as an Expanse; Ballroom at its Horizon
Nina Moore
Mentor: Caroline Heldman (Critical Theory & Social Justice)

Talks, Session Four (3:00-4:00 PM)

Session 4A: Jacaranda Room

Moderator: Marcella Raney

- 4:00 COVID-19 Induced Changes in Physical Activity at Public Parks in Los Angeles County
Brenna Knapp
Mentor: Marcella Raney (Kinesiology)
- 4:15 Effects Of COVID-19 On Child Play
Cayleigh Lekven
Mentor: Mary Christianakis (Critical Theory & Social Justice)
- 4:30 Coalitions, Community, and Covid-19: A Case Study of #PoliceFreeLAUSD
Nathan Tam
Mentor: Martha Matsuoka (Urban & Environmental Policy)
- 4:45 COVID's Exposure of Already Pressing Faults in Community Outreach
Madeline Aubry
Mentor: Martha Matsuoka (Urban & Environmental Policy)

Session 4B: Oak Room

Moderator: Jorgen Harris

- 4:00 Women's Work and Low Pay: Testing the Devaluation Hypothesis
Radha Arora
Mentor: Jorgen Harris (Economics)
- 4:15 Do Differences in State Earned Income Tax Credit Policy Effect Childhood Outcomes
William Covino
Mentor: Jorgen Harris (Economics)
- 4:30 Who is biased: you or the algorithm? Taking a closer look at Tiktok, the new viral sensation
Shirying Tay
Mentor: Jesse Mora (Economics)
- 4:45 Investigating the Trend towards German Stability Culture: A Narrative Analysis of Post World War II Monetary Policy
Luca Van der Meer
Mentor: Andrew Jalil (Economics)

Session 4C: Olive Room

Moderator: Julie Prebel

- 4:00 Do It for the Culture: Black Cultural Agency in Social Media
Britney Aboagye
Mentor: Benjamin Weiss (Sociology)
- 4:15 Black Indigeneity: Redefining the Plantation and the Plot as a Site of Creation in the United States
Anjolie Charlot
Mentor: Kenjus Watson (Education)
- 4:30 Narrative Storytelling to Promote Advocacy: Highlighting Women from Ethnically Minoritized Communities
Ezgi Erin Koc
Mentor: Mary Christianakis (Critical Theory & Social Justice)
- 4:45 The Abjection of Fatness Through Social Media: “Body Positivity” and the Contemporary Maintenance of the Racialized, Female Body
Berret Yuffee
Mentor: Julie Prebel (American Studies)

Session 4D: Sycamore Room

Moderator: Daniel Snowden-Ifft

- 4:00 Nafcillin-Mediated Sensitization of Methicillin-Resistant *Staphylococcus aureus*
Ryan Hino
Mentor: Cheryl Okumura (Biology)
- 4:15 Cause of inflammasome activation during Group A Streptococcus (GAS) infection in THP-1 macrophages
Kevin Lord
Mentor: Cheryl Okumura (Biology)
- 4:30 Development of a GEM based muon detector
Sebastian Lechner
Mentor: Daniel Snowden-Ifft (Physics) & Jean-Luc Gauvreau (Physics)
- 4:45 Solar Survey - Measuring Existing Panel Capacity for SCE Substations Given Demand and Load Data
Michael Straus
Mentor: Daniel Snowden-Ifft (Physics)

Session 4E: Manzanita Room

Moderator: Sharon Cech

- 4:00 Urban Agriculture Summer Internship: Alma Backyard Farms
Josh Beissinger
Mentor: Sharon Cech (Urban & Environmental Policy Institute)
- 4:15 Urban Agriculture Summer Internship: Community Services Unlimited
Mandi Nguyen
Mentor: Sharon Cech (Urban & Environmental Policy Institute)
- 4:30 Urban Agriculture Summer Internship: Uncommon Good
Isabelle Russell
Mentor: Sharon Cech (Urban & Environmental Policy Institute)
- 4:45 Urban Agriculture Summer Internship: The Urban Homestead
Julia Hansen
Mentor: Sharon Cech (Urban & Environmental Policy Institute)

Session 4F: Cottonwood Room

Moderator: Stephen Klemm

- 4:00 Techniques of Exposure: A Developing Ontology of Acting
Cassie Dutton
Mentor: Damian Stocking (Comparative Studies in Literature & Culture)
- 4:15 Law as Superego: Freud, Lacan, and Kafka
Sophie Engle
Mentor: Stephen Klemm (Comparative Studies in Literature & Culture)
- 4:30 From The Furies to Modern Advocates: Reading The Oresteia as a Tool to Condemn
Violence Against Women and Call for Criminal Justice Reform
River Lisius
Mentor: Ross Lerner (English)
- 4:45 From Oppression to Depression: How Do We Deal With Pain?
Bia Pinho
Mentor: Stephen Klemm (Comparative Studies in Literature & Culture)

Presentations in Alphabetical Order by Student Last Name

Last Name	First Name	Mentor	Session Info	Place of Presentation	Session Time	Time of Talk	Talk Session Moderator
Aboagye	Britney	Benjamin Weiss	Talk 4C	Olive Room	4:00-5:00 PM	4:00 PM	Julie Prebel
Aboobucker Sidiq	Sherin	Jessica Dirkes	Poster 2D - 1	Yucca Hall - Poster #1	1:30-2:30 PM		
Ambriz	Mary	Caroline Heldman	Talk 3F	Cottonwood Room	2:45-3:45 PM	2:45 PM	Malek Moazzam-Doulat
Andres	Wren	Amy Lyford	Talk 1A	Jacaranda Room	9:30-10:30 AM	9:30 AM	Amy Lyford
Arora	Radha	Jorgen Harris	Talk 4B	Oak Room	4:00-5:00 PM	4:00 PM	Jorgen Harris
Ashford	Ishan	Christopher Oze	Poster 1A - 1	California Poppy Hall - Poster #1	10:45-11:45 AM		
Aubry	Madeline	Martha Matsuoka	Talk 4A	Jacaranda Room	4:00-5:00 PM	4:45 PM	Marcella Raney
Bata	Loyal	Irina Rabkina	Poster 1D - 1	Yucca Hall - Poster #1	10:45-11:45 AM		
Beissinger	Josh	Sharon Cech	Talk 4E	Manzanita Room	4:00-5:00 PM	4:00 PM	Sharon Cech
Cahill	Chester	Emmanuelle Despagnet-Ayoub	Poster 2A - 1	California Poppy Hall - Poster #1	1:30-2:30 PM		
Charlot	Anjolie	Kenjus Watson	Talk 4C	Olive Room	4:00-5:00 PM	4:15 PM	Julie Prebel
Chen	Ling	Janet Scheel	Poster 2A - 2	California Poppy Hall - Poster #2	1:30-2:20 PM		
Cho	Valerie	Eileen Spain	Talk 1B	Oak Room	9:30-10:30 AM	10:00 AM	Eileen Spain
Choi	Rain (Jun Hyeok)	Andrew Udit	Poster 1E - 1	Bird of Paradise Hall - Poster #1	10:45-11:45 AM		
Chopp	Matt	Sharla Fett	Talk 1C	Olive Room	9:30-10:30 AM	9:30 AM	Maryanne Horowitz
Chung	Ho Jung	Eileen Spain	Poster 2B - 1	Aster Hall - Poster #1	1:30-2:30 PM		
Corpus	Ray	Amy Lyford	Talk 1A	Jacaranda Room	9:30-10:30 AM	9:45 AM	Amy Lyford
Corwin	Elise	Irina Rabkina	Poster 1D - 2	Yucca Hall - Poster #2	10:45-11:45 AM		
Covino	William	Jorgen Harris	Talk 4B	Oak Room	4:00-5:00 PM	4:15 PM	Jorgen Harris
Cullity Younger	Leela	Mary Christianakis	Talk 3D	Sycamore Room	2:45-3:45 PM	2:45 PM	Martha Matsuoka
Custo	Edin	Emmanuelle Despagnet-Ayoub	Talk 2F	Cottonwood Room	12:30-1:15 PM	12:30 PM	Clair Morrissey
Davis	Molly	Emmanuelle Despagnet-Ayoub	Talk 2F	Cottonwood Room	12:30-1:15 PM	1:00 PM	Clair Morrissey
De Koch	Mathew	Jessica Dirkes	Poster 2D - 2	Yucca Hall - Poster #2	1:30-2:30 PM		
Dearden	Clara	Michael Hill	Poster 2C - 1	Golden Yarrow Hall - Poster #1	1:30-2:30 PM		
Delgutte	Lucien	Jeffrey Cannon	Talk 3B	Oak Room	2:45-3:45 PM	2:45 PM	Jeffrey Cannon
Devlin	Aria	Sarah Ostendorf	Talk 2D	Sycamore Room	12:30-1:15 PM	12:45 PM	Broderick Fox
Dillard	Dyani	Irina Rabkina	Poster 1D - 3	Yucca Hall - Poster #3	10:45-11:45 AM		
Doyle	Madeline	Ann Blythe	Poster 1D - 4	Yucca Hall - Poster #4	10:45-11:45 AM		
Dutton	Cassie	Damian Stocking	Talk 4F	Cottonwood Room	4:00-5:00 PM	4:00 PM	Stephen Klemm
Eddy	Jackson	Mariška Bolyanatz Brown	Talk 3C	Olive Room	2:45-3:45 PM	2:45 PM	Mariška Bolyanatz Brown
Eden	Griffin	Michael Hill	Poster 2C - 2	Golden Yarrow Hall - Poster #2	1:30-2:30 PM		
Eng	Taylor	Nancy K. Dess & Dale Chapman	Talk 2B	Oak Room	12:30-1:15 PM	12:30 PM	Kevin Urstadt
Engle	Sophie	Stephen Klemm	Talk 4F	Cottonwood Room	4:00-5:00 PM	4:15 PM	Stephen Klemm
Faith	Ben	Janet Scheel	Talk 1E	Manzanita Room	9:30-10:30 AM	9:30 AM	Sabrina Stierwalt
Fernandez Orozco	Arelí	Joseph Schulz	Poster 1A - 2	California Poppy Hall - Poster #2	10:45-11:45 AM		
Ferrall	Ethan	Mariška Bolyanatz Brown	Talk 3C	Olive Room	2:45-3:45 PM	3:00 PM	Mariška Bolyanatz Brown
Fishman	Olivia	Amy Lyford	Talk 1A	Jacaranda Room	9:30-10:30 AM	10:00 AM	Amy Lyford
Foster	Andrew	Amy Holmes-Tagchungdarpa	Talk 2A	Jacaranda Room	12:30-1:15 PM	12:30 PM	Michael Amoruso
Frissell	Liz	Robert Sanchez	Talk 3A	Jacaranda Room	2:45-3:45 PM	2:45 PM	Ryan Preston-Roedder
Garnica	Karen	Mary Christianakis	Talk 1D	Sycamore Room	9:30-10:30 AM	9:45 AM	Mary Christianakis
Gayden	John	Martha Matsuoka	Talk 3D	Sycamore Room	2:45-3:45 PM	3:30 PM	Martha Matsuoka
Gill	Hyun Young	Joseph Schulz	Talk 3E	Manzanita Room	2:45-3:45 PM	3:00 PM	Amber Stubler
Gokli	Ishaani N.	Malek Moazzam-Doulat	Talk 3F	Cottonwood Room	2:45-3:45 PM	3:00 PM	Malek Moazzam-Doulat

Presentations in Alphabetical Order by Student Last Name

Last Name	First Name	Mentor	Session Info	Place of Presentation	Session Time	Time of Talk	Talk Session Moderator
Gries	Hunter	Martha Matsuoka	Poster 1B - 1	Aster Hall - Poster #1	10:45-11:45 AM		
Grunau	Gus	Maryanne Horowitz	Talk 1C	Olive Room	9:30-10:30 AM	9:45 AM	Maryanne Horowitz
Hagopian	Elizabeth	Patricia Cabral	Poster 1C - 1	Golden Yarrow Hall - Poster #1	10:45-11:45 AM		
Hai	Tehreem	Sabrina Stierwalt	Talk 1E	Manzanita Room	9:30-10:30 AM	10:00 AM	Sabrina Stierwalt
Hansen	Julia	Sharon Cech	Talk 4E	Manzanita Room	4:00-5:00 PM	4:45 PM	Sharon Cech
Herrera	Alejandra	Roberta Pollock & Karen Molinder	Poster 2E - 1	Bird of Paradise Hall - Poster #1	1:30-2:30 PM		
Hino	Ryan	Cheryl Okumura	Talk 4D	Sycamore Room	4:00-5:00 PM	4:00 PM	Daniel Snowden-Ifft
Hoffman	Rowan	Jane Hong	Talk 1C	Olive Room	9:30-10:30 AM	10:00 AM	Maryanne Horowitz
Hoffmann	Caleigh	Christopher Oze	Talk 2C	Olive Room	12:30-1:15 PM	12:30 PM	Christopher Oze
Hsiao	Wesley	Andrew Udit	Poster 1E - 2	Bird of Paradise Hall - Poster #2	10:45-11:45 AM		
Huang	Michelle	Michael Hill	Talk 1B	Oak Room	9:30-10:30 AM	9:30 AM	Eileen Spain
Hunter	Sierra	Michael Hill	Poster 2C - 4	Golden Yarrow Hall - Poster #4	1:30-2:30 PM		
Iglesias	Amanda	Andrew Udit	Poster 2A - 3	California Poppy Hall - Poster #3	1:30-2:30 PM		
Innocenti	Gianna	Andrew Udit	Poster 1E - 5	Bird of Paradise Hall - Poster #5	10:45-11:45 AM		
Iskanian	Rachel	Shana Goffredi	Poster 1A - 3	California Poppy Hall - Poster #3	10:45-11:45 AM		
Jaquez	Pilli	Mary Christianakis	Talk 1D	Sycamore Room	9:30-10:30 AM	9:30 AM	Mary Christianakis
Jeansonne	Emmaline	Aleksandra Sherman	Poster 1C - 2	Golden Yarrow Hall - Poster #2	10:45-11:45 AM		
Jimenez	Lis	Caroline Heldman	Talk 3F	Cottonwood Room	2:45-3:45 PM	3:15 PM	Malek Moazzam-Doulat
Kapins	Emily	Jessica Dirkes	Poster 2D - 3	Yucca Hall - Poster #3	1:30-2:30 PM		
Kervitsky	Elena	Amy Holmes-Tagchungdarpa	Talk 2A	Jacaranda Room	12:30-1:15 PM	12:45 PM	Michael Amoruso
Kirk	Eliza	Mary Beth Heffernan	Talk 1A	Jacaranda Room	9:30-10:30 AM	10:15 AM	Amy Lyford
Kiyomura	Clarissa	Jeffrey Cannon	Talk 3B	Oak Room	2:45-3:45 PM	3:00 PM	Jeffrey Cannon
Kline	Kel	Gretchen North & Clair Morrissey	Poster 1A - 4	California Poppy Hall - Poster #4	10:45-11:45 AM		
Knapp	Brenna	Marcella Raney	Talk 4A	Jacaranda Room	4:00-5:00 PM	4:00 PM	Marcella Raney
Koc	Ezgi Erin	Mary Christianakis	Talk 4C	Olive Room	4:00-5:00 PM	4:30 PM	Julie Prebel
Kolpa	Rachel	Kevin Urstadt	Poster 1C - 3	Golden Yarrow Hall - Poster #3	10:45-11:45 AM		
Lai	Zerlina	John McCormack	Poster 1A - 5	California Poppy Hall - Poster #5	10:45-11:45 AM		
Lechner	Sebastian	Daniel Snowden-Ifft & Jean-Luc Gauvreau	Talk 4D	Sycamore Room	4:00-5:00 PM	4:30 PM	Daniel Snowden-Ifft
Lekven	Cayleigh	Mary Christianakis	Talk 4A	Jacaranda Room	4:00-5:00 PM	4:15 PM	Marcella Raney
Lemieux	Miaja	Nancy Dess	Poster 1C - 4	Golden Yarrow Hall - Poster #4	10:45-11:45 AM		
Leonard	Jack	Michael Hill	Poster 2C - 5	Golden Yarrow Hall - Poster #5	1:30-2:30 PM		
Li	Zhuoheng	Alexander F. Day	Talk 1C	Olive Room	9:30-10:30 AM	10:15 AM	Maryanne Horowitz
Lisius	River	Ross Lerner	Talk 4F	Cottonwood Room	4:00-5:00 PM	4:30 PM	Stephen Klemm
Liu	Kathy	Irina Rabkina	Poster 1D - 5	Yucca Hall - Poster #5	10:45-11:45 AM		
Lizarraga	Anahy	Shana Goffredi	Poster 2E - 2	Bird of Paradise Hall - Poster #2	1:30-2:30 PM		
Lord	Kevin	Cheryl Okumura	Talk 4D	Sycamore Room	4:00-5:00 PM	4:15 PM	Daniel Snowden-Ifft
Lou	Hanyun	Emmanuelle Despagnet-Ayoub	Talk 2F	Cottonwood Room	12:30-1:15 PM	12:45 PM	Clair Morrissey
Lubetkin	Ava	Clair Morrissey	Talk 3A	Jacaranda Room	2:45-3:45 PM	3:00 PM	Ryan Preston-Roedder
Luethe	Claire	Jeffrey Cannon	Poster 2B - 2	Aster Hall - Poster #2	1:30-2:30 PM		
Martinez	Gisela	Raul Navarro	Poster 1E - 3	Bird of Paradise Hall - Poster #3	10:45-11:45 AM		
Martinez	Mashly	Andrew Udit	Poster 2A - 4	California Poppy Hall - Poster #4	1:30-2:30 PM		
Maruani	Luigi	Nancy Dess & Dale Chapman	Poster 1C - 6	Golden Yarrow Hall - Poster #6	10:45-11:45 AM		
McClure	Tim	Raul Navarro	Poster 1E - 4	Bird of Paradise Hall - Poster #4	10:45-11:45 AM		

Presentations in Alphabetical Order by Student Last Name

Last Name	First Name	Mentor	Session Info	Place of Presentation	Session Time	Time of Talk	Talk Session Moderator
Medina Segura	Amanda	Patricia Cabral	Talk 2B	Oak Room	12:30-1:15 PM	1:00 PM	Kevin Urstadt
Mellott	Aerin	Jeffrey Cannon	Poster 2B - 3	Aster Hall - Poster #3	1:30-2:30 PM		
Moore	Nina	Caroline Heldman	Talk 3F	Cottonwood Room	2:45-3:45 PM	3:30 PM	Malek Moazzam-Doulat
Munsen	Johnna	Linda Lyke	Talk 2D	Sycamore Room	12:30-1:15 PM	1:00 PM	Broderick Fox
Muscott	Amelia	Darren Larsen	Talk 2C	Olive Room	12:30-1:15 PM	12:45 PM	Christopher Oze
Nefedenkova	Anna	Christopher Oze	Talk 2C	Olive Room	12:30-1:15 PM	1:00 PM	Christopher Oze
Nguyen	Mandi	Sharon Cech	Talk 4E	Manzanita Room	4:00-5:00 PM	4:15 PM	Sharon Cech
Olvera-Gonzalez	Alonso	Nancy K. Dess	Talk 2B	Oak Room	12:30-1:15 PM	12:45 PM	Kevin Urstadt
Pardi	Emilio	Martha Matsuoka	Poster 2D - 4	Yucca Hall - Poster #4	1:30-2:30 PM		
Park	Brian	Roberta Pollock & Karen Molinder	Poster 2E - 3	Bird of Paradise Hall - Poster #3	1:30-2:30 PM		
Pera	Adriana	Shana Goffredi	Poster 2E - 4	Bird of Paradise Hall - Poster #4	1:30-2:30 PM		
Pfitzer Price	Alyssa	Sharon Cech	Talk 2E	Manzanita Room	12:30-1:15 PM	12:30 PM	Sharon Cech
Pinho	Bia	Stephen Klemm	Talk 4F	Cottonwood Room	4:00-5:00 PM	4:45 PM	Stephen Klemm
Prakash	Divya	Jacob Mackey	Poster 1B - 2	Aster Hall - Poster #2	10:45-11:45 AM		
Rakestraw	Noah	Renee Baran	Poster 2E - 5	Bird of Paradise Hall - Poster #5	1:30-2:30 PM		
Ranganath	Mira	Gretchen North	Poster 2E - 6	Bird of Paradise Hall - Poster #6	1:30-2:30 PM		
Raz Zuckerman	Odelia	Clair Morrissey	Talk 3A	Jacaranda Room	2:45-3:45 PM	3:15 PM	Ryan Preston-Roedder
Reese	Ashten	Sharon Cech	Talk 2E	Manzanita Room	12:30-1:15 PM	12:45 PM	Sharon Cech
Riley	Julie	Broderick Fox	Talk 2D	Sycamore Room	12:30-1:15 PM	12:30 PM	Broderick Fox
Russell	Isabelle	Sharon Cech	Talk 4E	Manzanita Room	4:00-5:00 PM	4:30 PM	Sharon Cech
Saludares	Connor	Raul Navarro	Poster 1E - 6	Bird of Paradise Hall - Poster #6	10:45-11:45 AM		
Sanchez	Melina	John McCormack	Poster 1A - 6	California Poppy Hall - Poster #6	10:45-11:45 AM		
Sasser	Anna	Martha Matsuoka	Talk 3D	Sycamore Room	2:45-3:45 PM	3:15 PM	Martha Matsuoka
Saucedo	Maggie	Amy Holmes-Tagchungdarpa	Talk 2A	Jacaranda Room	12:30-1:15 PM	1:00 PM	Michael Amoruso
Secor	Maeve	John McCormack	Talk 3E	Manzanita Room	2:45-3:45 PM	3:30 PM	Amber Stubler
Sena-Gersh	Clara	Mary Christianakis	Talk 1D	Sycamore Room	9:30-10:30 AM	10:00 AM	Mary Christianakis
Shamskhov	Kian	Jeffrey Cannon	Talk 3B	Oak Room	2:45-3:45 PM	3:15 PM	Jeffrey Cannon
Shiina	Joseph	Gretchen North	Poster 2E - 7	Bird of Paradise Hall - Poster #7	1:30-2:30 PM		
Shirley	McClaran	Amber Stubler	Talk 3E	Manzanita Room	2:45-3:45 PM	2:45 PM	Amber Stubler
Shores	Danielle	Joseph Schulz	Talk 3E	Manzanita Room	2:45-3:45 PM	3:15 PM	Amber Stubler
Simpson-Heil	David	Sabrina Stierwalt	Poster 1D - 6	Yucca Hall - Poster #6	10:45-11:45 AM		
Smith	Alex	Kristi Upson-Saia	Poster 1B - 3	Aster Hall - Poster #3	10:45-11:45 AM		
Straus	Michael	Daniel Snowden-Ifft	Talk 4D	Sycamore Room	4:00-5:00 PM	4:45 PM	Daniel Snowden-Ifft
Sullivan	Lena	Martha Matsuoka	Poster 1B - 4	Aster Hall - Poster #4	10:45-11:45 AM		
Surposa	Ella	Emmanuelle Despagnet-Ayoub	Poster 2A - 5	California Poppy Hall - Poster #5	1:30-2:30 PM		
Tam	Nathan	Martha Matsuoka	Talk 4A	Jacaranda Room	4:00-5:00 PM	4:30 PM	Marcella Raney
Tarabeine	Mira	Mary Christianakis	Talk 3C	Olive Room	2:45-3:45 PM	3:30 PM	Mariška Bolyanatz Brown
Tay	Shirying	Jesse Mora	Talk 4B	Oak Room	4:00-5:00 PM	4:30 PM	Jorgen Harris
Teunissen	Femke	Mary Christianakis	Talk 3D	Sycamore Room	2:45-3:45 PM	3:00 PM	Martha Matsuoka
Thomas-Colwell	Jack	Michael Hill	Talk 1B	Oak Room	9:30-10:30 AM	9:45 AM	Eileen Spain
Van der Meer	Luca	Andrew Jalil	Talk 4B	Oak Room	4:00-5:00 PM	4:45 PM	Jorgen Harris
Ventresca	Benjamin	Jason Wong	Poster 1B - 5	Aster Hall - Poster #5	10:45-11:45 AM		
Vorster	Oli	Phillip Ayoub	Talk 3C	Olive Room	2:45-3:45 PM	3:15 PM	Mariška Bolyanatz Brown

Presentations in Alphabetical Order by Student Last Name

Last Name	First Name	Mentor	Session Info	Place of Presentation	Session Time	Time of Talk	Talk Session Moderator
Walsh	Patrick	Ryan Preston-Roedder	Talk 3A	Jacaranda Room	2:45-3:45 PM	3:30 PM	Ryan Preston-Roedder
Washington	Aaliyah	Emmanuelle Despagnet-Ayoub	Poster 2A - 6	California Poppy Hall - Poster #6	1:30-2:30 PM		
Wickwire	Irene	Sharon Cech	Talk 2E	Manzanita Room	12:30-1:15 PM	1:00 PM	Sharon Cech
Williams	Camille	Aleksandra Sherman	Poster 1C - 5	Golden Yarrow Hall - Poster #5	10:45-11:45 AM		
Wilson	Thea	Mary Christianakis	Talk 1D	Sycamore Room	9:30-10:30 AM	10:15 AM	Mary Christianakis
Yang	Olivia	Sabrina Stierwalt	Talk 1E	Manzanita Room	9:30-10:30 AM	10:15 AM	Sabrina Stierwalt
Yang	Jeffrey	Janet Scheel	Talk 1E	Manzanita Room	9:30-10:30 AM	9:45 AM	Sabrina Stierwalt
Yee Yick	Noah	Mariška Bolyanatz Brown	Poster 1D - 7	Yucca Hall - Poster #7	10:45-11:45 AM		
Yeh	Shanna	Jessica Dirkes	Poster 2D - 5	Yucca Hall - Poster #5	1:30-2:30 PM		
Yi	Joanne	Eileen Spain	Talk 1B	Oak Room	9:30-10:30 AM	10:15 AM	Eileen Spain
Young	Max	Jeffrey Cannon	Poster 2B - 4	Aster Hall - Poster #4	1:30-2:30 PM		
Yuffee	Berret	Julie Prebel	Talk 4C	Olive Room	4:00-5:00 PM	4:45 PM	Julie Prebel
Zaratan	Jenn	Martha Matsuoka	Poster 2D - 6	Yucca Hall - Poster #6	1:30-2:30 PM		
Zhang	Rachel	Jeffrey Cannon	Poster 2B - 5	Aster Hall - Poster #5	1:30-2:30 PM		

Student Presenters

Britney Aboagye '22

Do It for the Culture: Black Cultural Agency in Social Media
Talk 4C, 4:00 PM



Mentor: Benjamin Weiss
Major: Sociology
Funding: The Andrew W. Mellon Foundation

Sherin Aboobucker Sidiq '22

Implementing a Mobile Dental Clinic to Address the Oral Health Needs of San Gabriel Valley Residents
Poster 2D - 1, 1:30-2:30 PM



Mentor: Jessica Dirkes
Major: Biochemistry
Funding: UEP & UEPI Summer Internship - Public Health Program

Mary Ambriz '22

The Weight of the Pandemic: A Comprehensive Analysis of Fat Activist TikTokers in the U.S.
Talk 3F, 2:45 PM



Mentor: Caroline Heldman
Major: Critical Theory & Social Justice
Funding: Undergraduate Research Center Summer Research Fellowship

Wren Andres '24

Freeway Construction and Human Displacement
Talk 1A, 9:30 AM



No Picture

Mentor: Amy Lyford
Major: Undeclared
Funding: The Andrew W. Mellon Foundation

Radha Arora '23

Women's Work and Low Pay: Testing the Devaluation Hypothesis
Talk 4B, 4:00 PM



Mentor: Jorgen Harris
Major: Economics
Funding: Ford Research Mentor's Endowment

Ishan Ashford '24

Gas from the Ground
Poster 1A - 1, 10:45-11:45 AM



Mentor: Christopher Oze
Major: Undeclared
Funding: Sherman Fairchild Foundation Fellowship

Madeline Aubry '23

COVID's Exposure of Already Pressing Faults in Community Outreach
Talk 4A, 4:45 PM



Mentor: Martha Matsouka
Major: Urban & Environmental Policy
Funding: UEP & UEPI Summer Internship: Affordable Housing Program

Layal Bata '21

Modeling Second-Order Theory of Mind through Computational Analogy
Poster 1D - 1, 10:45-11:45 AM



Mentor: Irina Rabkina
Major: Cognitive Science, Computer Science
Funding: Gift from the Jones-Zeller family

Josh Beissinger '23

Urban Agriculture Summer Internship: Alma Backyard Farms
Talk 4E, 4:00 PM



Mentor: Sharon Cech
Major: Urban & Environmental Policy
Funding: UEP & UEPI Summer Internship - Urban Agriculture Program

Student Presenters

Chester Cahill '24

Carbon Nanotubes Covalently Functionalized By Organometallic Complexes For Redox Flow Batteries

Poster 2A - 1, 1:30-2:30 PM



Mentor: Emmanuelle Despagnet-Ayoub
Major: Chemistry
Funding: Sherman Fairchild Foundation Fellowship

Anjolie Charlot '22

Black Indigeneity: Redefining the Plantation and the Plot as a Site of Creation in the United States

Talk 4C, 4:15 PM



Mentor: Kenjus Watson
Major: Black Studies
Funding: Ford Research Mentor's Endowment

Ling Chen '24

Particle Tracking in Turbulent Rayleigh-Bénard Systems

Poster 2A - 2, 1:30-2:30 PM



Mentor: Janet Scheel
Major: Mathematics
Funding: Sherman Fairchild Foundation Fellowship

Valerie Cho '22

Influence of Diffusible Signaling Factor (cis-11-Methyl-2-dodecenoic acid) on Predation of *E. coli* by *B. bacteriovorus* on Surfaces

Talk 1B, 10:00 AM



Mentor: Eileen Spain
Major: Biology
Funding: Priscilla and Don Smith Summer Research Endowment

Rain (Jun Hyeok) Choi '22

Using Virus Nanoparticles to Develop an Alternative Antagonist to Heparin

Poster 1E - 1, 10:45-11:45 AM

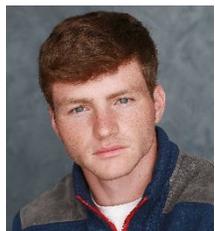


Mentor: Andrew Udit
Major: Biology
Funding: Chemistry/Biochemistry Summer Research Endowment

Matt Chopp '22

From The Federalist to The Examination: An overview of Alexander Hamilton's view of executive power

Talk 1C, 9:30 AM



Mentor: Sharla Fett
Major: History
Funding: Ray A. Billington Endowment

Ho Jung Chung '23

Binding mechanism of albumin to *Bdellovibrio Bacteriovorus* and its effect on predation of *E. Coli* prey

Poster 2B - 1, 1:30-2:30 PM



No Picture

Mentor: Eileen Spain
Major: Biochemistry
Funding: Fletcher-Jones Chemistry and Biochemistry Research Endowment

Ray Corpus '23

Post-Modern Orientalism: American Misreadings and Misconceptions of Chinese Contemporary Art

Talk 1A, 9:45 AM



Mentor: Amy Lyford
Major: Sociology
Funding: Robert W. Winter History of Art & Architecture Summer Research Fellowship

Elise Corwin '24

Cognitive Modeling of Second-Order Theory of Mind

Poster 1D - 2, 10:45-11:45 AM



Mentor: Irina Rabkina
Major: Cognitive Science, Computer Science
Funding: Undergraduate Research Center Summer Research Fellowship

Student Presenters

William Covino '22

Do Differences in State Earned Income Tax Credit Policy Effect Childhood Outcomes?

Talk 4B, 4:15 PM



Mentor: Jorgen Harris
Major: Economics
Funding: Undergraduate Research Center Summer Research Fellowship

Molly Davis '21

Oligomerization of Light Olefins to Heavy Olefins using a Nickel Catalyst on Carbon Nanotubes

Talk 2F, 1:00 PM



Mentor: Emmanuelle Despagnet-Ayoub
Major: Chemistry
Funding: Miller-Van Gerpen Endowed Summer Research Fellowship

Lucien Delgutte '23

Combined Photoredox and Titanium Catalysis at carbonyl groups

Talk 3B, 2:45 PM



Mentor: Jeffrey Cannon
Major: Chemistry
Funding: American Chemical Society Petroleum Research Fund

Leela Cullity Younger '24

Combatting Global White Supremacist Terror Through Advocacy

Talk 3D, 2:45 PM



No Picture

Mentor: Mary Christianakis
Major: Diplomacy & World Affairs
Funding: UEP & UEPI Summer Internship- Immigration Rights & Social Justice Program

Matthew De Koch '23

Assessing the Impacts of the COVID-19 Pandemic on Cancer Screening

Poster 2D - 2, 1:30-2:30 PM



Mentor: Jessica Dirkes
Major: Biochemistry
Funding: UEP & UEPI Summer Internship - Public Health Program

Aria Devlin '22

LA Stories: Intertwining the Built and the Natural Environments in Short Fiction

Talk 2D, 12:45 PM



Mentor: Sarah Ostendorf
Major: Urban & Environmental Policy
Funding: The Andrew W. Mellon Foundation

Edin Custo '23

Carbon nanotube-iron complexes as electrolytes for flow batteries

Talk 2F, 12:30 PM



Mentor: Emmanuelle Despagnet-Ayoub
Major: Biochemistry
Funding: Mark Paulsen '10 Summer Fellowship in the Chemical Sciences

Clara Dearden '24

Electrochemical Supply for the Controlled Two-Electron Reduction of P450

Poster 2C - 1, 1:30-2:30 PM



Mentor: Michael Hill
Major: Undeclared
Funding: Professor George H. Cleland Endowed Undergraduate Summer Research Fellowship in Organic Chemistry

Dyani Dillard '22

Analogical Theory of Mind for Multi-Agent Interaction in the Stag-Hunt Game

Poster 1D - 3, 10:45-11:45 AM



Mentor: Irina Rabkina
Major: Computer Science
Funding: Gift from the Jones-Zeller family

Student Presenters

Madeline Doyle '22

Variations in Uplift of the Tehachapi Mountains, Ca from Stream Channel Analysis
Poster 1D - 4, 10:45-11:45 AM



Mentor: Ann Blythe
Major: Geology
Funding: Ford Research Mentor's Endowment

Griffin Eden '23

Selective oxidation with Ni/Fe layered double hydroxide catalyst
Poster 2C - 2, 1:30-2:30 PM



Mentor: Michael Hill
Major: Chemistry
Funding: John Stauffer Summer Research in Chemistry/Biochemistry Endowment

Ben Faith '22

The Impact of Holistic Structures on Heat Transport in Narrow Rayleigh-Bénard Convection Systems
Talk 1E, 9:30 AM



Mentor: Janet Scheel
Major: Physics
Funding: Norris Research Endowment

Cassie Dutton '23

Techniques of Exposure: A Developing Ontology of Acting
Talk 4F, 4:00 PM



Mentor: Damian Stocking
Major: Comparative Studies in Literature & Culture
Funding: The Andrew W. Mellon Foundation

Taylor Eng '23

Deprivation-Induced Hyperactivity: A Rat Model of Anorexia
Talk 2B, 12:30 PM



Mentors: Nancy Dess and Dale Chapman
Major: Psychology
Funding: VanderWeele Student Research Fund

Areli Fernandez Orozco '24

Primary Cell Culture of Adult Zebrafish Neurons
Poster 1A - 2, 10:45-11:45 AM



Mentor: Joseph Schulz
Major: Biology, Music
Funding: Sherman Fairchild Foundation Fellowship

Jackson Eddy '22

Effects of Age on Chilean Voice Quality
Talk 3C, 2:45 PM



Mentor: Mariška Bolyanatz Brown
Major: Group Languages (Spanish and Linguistics)
Funding: Ford Research Mentor's Endowment

Sophie Engle '22

Law as Superego: Freud, Lacan, and Kafka
Talk 4F, 4:15 PM



Mentor: Stephen Klemm
Major: Comparative Studies in Literature & Culture
Funding: Summer Undergraduate Research Fellowship

Ethan Ferrall '22

Effects of Gender on Voice Quality in Chilean Spanish
Talk 3C, 3:00 PM



Mentor: Mariška Bolyanatz Brown
Major: Group Language
Funding: Ford Research Mentor's Endowment

Student Presenters

Olivia Fishman '24

Early Critical Reception of the Southern California Light and Space Movement

Talk 1A, 10:00 AM



Mentor: Amy Lyford
Major: Art History
Funding: Undergraduate Research Center Summer Research Fellowship

Andrew Foster '22

Migrants and Minarets: Notions of European Islamic identity in the Bosnian EU accession bid and 2015-2016 migrant crisis.

Talk 2A, 12:30 PM



Mentor: Amy Holmes-Tagchungdarpa
Major: Religious Studies
Funding: Ford Research Mentor's Endowment

Liz Frissell '22

Political Language Games

Talk 3A, 2:45 PM



Mentor: Robert Sanchez
Major: Philosophy, Cognitive Science
Funding: Ford Research Mentor's Endowment

Karen Garnica '24

Meeting the Demands of Immigration Based Non-Profits

Talk 1D, 9:45 AM



Mentor: Mary Christianakis
Major: Undeclared
Funding: UEP & UEPI Summer Internship: Immigration Rights & Social Justice Program

John Gayden '22

Making Housing and Community Happen!

Talk 3D, 3:30 PM



Mentor: Martha Matsuoka
Major: Computer Science
Funding: UEP & UEPI Summer Internship: Affordable Housing Program

Hyun Young Gill '22

From museum to medicine — extracting DNA from museum specimens of fish hunting cone-snails

Talk 3E, 3:00 PM



Mentor: Joseph Schulz
Major: Biochemistry, Music
Funding: Ford Research Mentor's Endowment

Ishaani N. Gokli '22

A Theoretical Examination of American Necropolitics: Understanding the School to Prison Pipeline

Talk 3F, 3:00 PM



Mentor: Malek Moazzam-Doulat
Major: Critical Theory & Social Justice
Funding: Summer Undergraduate Research Fellowship

Hunter Gries '23

Examining Power Structures and Pushing for a More Equitable Future in Alhambra and Monterey Park

Poster 1B - 1, 10:45-11:45 AM



Mentor: Martha Matsuoka
Major: Urban & Environmental Policy
Funding: UEP & UEPI Summer Internship: Affordable Housing Program

Gus Grunau '22

Examining Connections Between Conservation and Eugenics in the Rhetoric of Theodore Roosevelt

Talk 1C, 9:45 AM



Mentor: Maryanne Horowitz
Major: History, Psychology
Funding: Summer Undergraduate Research Fellowship

Student Presenters

Elizabeth Hagopian '22

Stress reactivity in sensitive discussions among young adults
Poster 1C - 1, 10:45-11:45 AM



Mentor: Patricia Cabral
Major: Psychology
Funding: Ford Research Mentor's Endowment

Tehreem Hai '23

Star Clusters in Interacting Dwarf Galaxies
Talk 1E, 10:00 AM



Mentor: Sabrina Stierwalt
Major: Physics
Funding: Ford Research Mentor's Endowment

Julia Hansen '22

Urban Agriculture Summer Internship: The Urban Homestead
Talk 4E, 4:45 PM



Mentor: Sharon Cech
Major: Urban & Environmental Policy
Funding: UEP & UEPI Summer Internship: Urban Agriculture Program

Alejandra Herrera '22

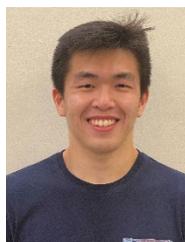
Measuring B-Cell Responses against *Corynebacterium Pseudotuberculosis* Antigens
Poster 2E - 1, 1:30-2:30 PM



Mentors: Roberta Pollock and Karen Molinder
Major: Biology: Cell & Molecular Biology Concentration
Funding: Virginia Reid Moore '37 Summer Research Fellowship

Ryan Hino '22

Nafcillin-Mediated Sensitization of Methicillin-Resistant *Staphylococcus aureus*
Talk 4D, 4:00 PM



Mentor: Cheryl Okumura
Major: Biochemistry
Funding: The Fletcher Jones Foundation

Rowan Hoffman '22

Protesting and Polarization: How Media Has Influenced Public Perception of Protests in The United States
Talk 1C, 10:00 AM



Mentor: Jane Hong
Major: History, Media Arts and Culture
Funding: Ray A. Billington Endowment

Caleigh Hoffmann '22

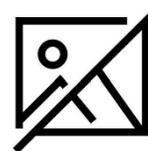
Comparison of CO₂ and Methane Gas Flux in Different Urban and Oil Development Areas of Los Angeles
Talk 2C, 12:30 PM



Mentor: Christopher Oze
Major: Geology
Funding: Ford Research Mentor's Endowment

Wesley Hsiao '21

Probing Cytochrome p450 biocatalysis via anaerobic redox titrations
Poster 1E - 2, 10:45-11:45 AM



No Picture

Mentor: Andrew Udit
Major: Chemistry
Funding: American Heart Association: Institutional Research Enhancement Award (AIREA)

Michelle Huang '23

Reshaping Cornea Using Electrochemistry
Talk 1B, 9:30 AM



Mentor: Michael Hill
Major: Chemistry
Funding: Christine Chui and Robert T. K. Chui Summer Research Fellow

Student Presenters

Sierra Hunter '21

Modeling Electron Flow from Cytochrome c to the copper A Domain of Cytochrome c Oxidase

Poster 2C - 4, 1:30-2:30 PM



No Picture

Mentor: Michael Hill
Major: Chemistry
Funding: John Stauffer Summer Research in Chemistry/Biochemistry Endowment

Amanda Iglesias '24

Using Virus Nanoparticles to Develop an Alternative Antagonist to Heparin

Poster 2A - 3, 1:30-2:30 PM



Mentor: Andrew Udit
Major: Biology
Funding: Sherman Fairchild Foundation Fellowship

Gianna Innocenti '23

Anaerobic Titrations of Heme Protein/Surfactant Systems

Poster 1E - 5, 10:45-11:45 AM



Mentor: Andrew Udit
Major: Biology
Funding: American Heart Association: Institutional Research Enhancement Award (AIREA)

Rachel Iskanian '24

Life's a Leech: The Microbial Community Inside of the Southern Californian Marine Leech Pterobdella abditovesiculata

Poster 1A - 3, 10:45-11:45 AM



Mentor: Shana Goffredi
Major: Biology
Funding: Sherman Fairchild Foundation Fellowship

Pilli Jaquez '24

Meeting the Demands of Immigration Based Non-Profits

Talk 1D, 9:30 AM



Mentor: Mary Christianakis
Major: Sociology
Funding: UEP & UEPI Summer Internship: Immigration Rights & Social Justice Program

Emmaline Jeansonne '22

Gen-Z's Online Political Choices in the Age of the Echo-Chamber

Poster 1C - 2, 10:45-11:45 AM



Mentor: Aleksandra Sherman
Major: Cognitive Science, Comparative Studies in Language & Culture
Funding: Ford Research Mentor's Endowment

Lis Jimenez '22

Gentefication: Using Zapatista Frameworks to Understand the Before + Beyond...?

Talk 3F, 3:15 PM



Mentor: Caroline Heldman
Major: Critical Theory & Social Justice
Funding: Walter B. Gerken Summer Research Fellowship

Emily Kapins '22

Understanding the Role of Shared Governance at Community College Campuses

Poster 2D - 3, 1:30-2:30 PM



Mentor: Jessica Dirkes
Major: Psychology
Funding: UEP & UEPI Summer Internship - Public Health Program

Elena Kervitsky '22

Challenging Divine Authority - Gilgamesh's Rejection of Ishtar and Sacred Marriage

Talk 2A, 12:45 PM



Mentor: Amy Holmes-Tagchungdarpa
Major: Religious Studies
Funding: Ford Research Mentor's Endowment

Student Presenters

Eliza Kirk '24

**Humanizing Healthcare:
Studying the Implementation of
the PPE Portrait Project at
LAC+USC Medical Center**
Talk 1A, 10:15 AM



Mentor: Mary Beth Heffernan
Major: Philosophy
Funding: The Andrew W. Mellon
Foundation

Clarissa Kiyomura '22

**Synthesis of Indolizidines from
L-Pyroglutamic acid using the
Ireland-Claisen rearrangement
and Ring-closing Metathesis**
Talk 3B, 3:00 PM



Mentor: Jeffrey Cannon
Major: Biochemistry
Funding: Chemistry/Biochemistry
Summer Research Endowment

Kel Kline '24

**Environmental Ethics: A case
study of monarch migration**
Poster 1A - 4, 10:45-11:45 AM



Mentors: Gretchen North and Clair
Morrissey
Major: Undeclared
Funding: Sherman Fairchild Foundation
Fellowship

Brenna Knapp '22

**COVID-19 Induced Changes in
Physical Activity at Public Parks
in Los Angeles County**
Talk 4A, 4:00 PM



Mentor: Marcella Raney
Major: Kinesiology
Funding: Mary S. Caswell Fund for
Summer Research

Ezgi Erin Koc '24

**Narrative Storytelling to Promote
Advocacy: Highlighting Women
from Ethnically Minoritized
Communities**
Talk 4C, 4:30 PM



Mentor: Mary Christianakis
Major: Critical Theory & Social Justice
Funding: UEP & UEPI Summer
Internship: Immigration Rights & Social
Justice Program

Rachel Kolpa '22

**Retrograde tracing reveals
inputs to the ventral palladium in
the rat brain**
Poster 1C - 3, 10:45-11:45 AM



Mentor: Kevin Urstadt
Major: Cognitive Science
Funding: Summer Undergraduate
Research Fellowship

Zerlina Lai '24

**Understanding migration
patterns in the Western Kingbird
to assess impacts of climate
change**
Poster 1A - 5, 10:45-11:45 AM



Mentor: John McCormack
Major: Computer Science
Funding: Sherman Fairchild Foundation
Fellowship

Sebastian Lechner '24

**Development of a GEM based
muon detector**
Talk 4D, 4:30 PM



Mentors: Daniel Snowden-Ifft and
Jean-Luc Gauvreau
Major: Physics
Funding: Mary S. Caswell Fund for
Summer Research

Cayleigh Lekven '22

**Effects Of COVID-19 On Child
Play**
Talk 4A, 4:15 PM



Mentor: Mary Christianakis
Major: Critical Theory & Social Justice
Funding: Undergraduate Research
Center Summer Research Fellowship

Student Presenters

Miaja Lemieux '22

Exploring Individual Differences in Bitter/Sweet and Salt Taste Perception Through Rat Studies
Poster 1C - 4, 10:45-11:45 AM



Mentor: Nancy Dess
Major: Psychology
Funding: Ford Research Mentor's Endowment

Jack Leonard '22

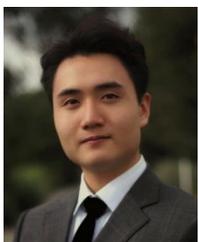
Maintaining Cell Viability during the Electromechanical Reshaping of Cartilage
Poster 2C - 5, 1:30-2:30 PM



Mentor: Michael Hill
Major: Chemistry
Funding: Mary S. Caswell Fund for Summer Research

Zhuoheng Li '22

Identities and Mobilization in 1911 Chinese Revolution: Sichuan as an example
Talk 1C, 10:15 AM



Mentor: Alexander F. Day
Major: East Asian Studies, Diplomacy & World Affairs
Funding: Mary S. Caswell Fund for Summer Research

River Lisius '22

From The Furies to Modern Advocates: Reading The Oresteia as a Tool to Condemn Violence Against Women and Call for Criminal Justice Reform
Talk 4F, 4:30 PM



Mentor: Ross Lerner
Major: English, Politics
Funding: Arnston Memorial Essay Award

Kathy Liu '23

Recognizing Intent in the Stag Hunt Game through Analogical Theory of Mind
Poster 1D - 5, 10:45-11:45 AM



Mentor: Irina Rabkina
Major: Computer Science
Funding: Undergraduate Research Center Summer Research Fellowship

Anahy Lizarraga '23

The Blood Suckers of the Sea: Investigations on the Branchellion leech from Southern California and its Microbial Community
Poster 2E - 2, 1:30-2:30 PM



Mentor: Shana Goffredi
Major: Biology
Funding: National Science Foundation: Integrative and Organismal Systems Award

Kevin Lord '22

Cause of inflammasome activation during Group A Streptococcus (GAS) infection in THP-1 macrophages
Talk 4D, 4:15 PM



Mentor: Cheryl Okumura
Major: Biochemistry
Funding: Chemistry/Biochemistry Summer Research Endowment

Hanyun Lou '22

Developing borated iron complexes supported on carbon nanotubes for flow batteries
Talk 2F, 12:45 PM



Mentor: Emmanuelle Despagnet-Ayoub
Major: Chemistry, Cognitive Science
Funding: Gordon D. and Jacqueline A. Carpenter Chemistry Endowment

Ava Lubetkin '22

Learning from Fiction: Knowledge and Understanding
Talk 3A, 3:00 PM



Mentor: Clair Morrissey
Major: Philosophy, Cognitive Science
Funding: Arnston Memorial Essay Award

Student Presenters

Claire Luethe '22

Unnatural Amino Acid Synthesis via Alkylation of α -tert-Butanesulfonamide Auxiliary-Bound Enolates

Poster 2B - 2, 1:30-2:30 PM



Mentor: Jeffrey Cannon
Major: Chemistry
Funding: RUI: National Science Foundation

Gisela Martinez '22

Derivatization Studies of 3-Allyl Substituted Isobenzofuranones

Poster 1E - 3, 10:45-11:45 AM



Mentor: Raul Navarro
Major: Biochemistry
Funding: Research Grant for Faculty at Principally Undergraduate Institutions from Organic Syntheses, Inc.

Mashly Martinez '24

Using Virus Nanoparticles to Develop an Alternative Antagonist to Heparin

Poster 2A - 4, 1:30-2:30 PM



Mentor: Andrew Udit
Major: Undeclared
Funding: Sherman Fairchild Foundation Fellowship

Luigi Maruani '22

Ethanol Studies Rat Lab

Poster 1C - 6, 10:45-11:45 AM



Mentor: Nancy Dess & Dale Chapman
Major: Psychology
Funding: VanderWeele Student Research Fund

Tim McClure '22

Synthesis and Evaluation of Substituted Allylic Esters for The Decarboxylative Allylation of Isobenzofuranones

Poster 1E - 4, 10:45-11:45 AM



Mentor: Raul Navarro
Major: Chemistry
Funding: American Chemical Society: SURF

Amanda Medina Segura '22

Investigating the Healthcare Experiences of LBQT Latina Women

Talk 2B, 1:00 PM



Mentor: Patricia Cabral
Major: Psychology, Latino/a & Latin American Studies
Funding: Ford Research Mentor's Endowment

Aerin Mellott '22

Stereoselective reduction of carbonyls via photoredox catalysis

Poster 2B - 3, 1:30-2:30 PM



Mentor: Jeffrey Cannon
Major: Kinesiology
Funding: American Chemical Society Petroleum Research Fund

Nina Moore '22

Gender as an Expanse; Ballroom at its Horizon

Talk 3F, 3:30 PM



Mentor: Caroline Heldman
Major: Critical Theory & Social Justice
Funding: Undergraduate Research Center Summer Research Fellowship

Johnna Munsen '22

Interruptions! Printmaking as Resistance

Talk 2D, 1:00 PM



Mentor: Linda Lyke
Major: Diplomacy & World Affairs
Funding: The Andrew W. Mellon Foundation

Student Presenters

Amelia Muscott '22

Reconstructing glacial fluctuations and late Holocene hydroclimate variability in the western U.S. from alpine lake sediments

Talk 2C, 12:45 PM



Mentor: Darren Larsen
Major: Geology
Funding: The Kenneth T. & Eileen L. Norris Foundation

Anna Nefedenkova '22

Perchlorate Retention and Removal in Martian Regolith

Talk 2C, 1:00 PM



Mentor: Christopher Oze
Major: Geology, Computer Science
Funding: Ford Research Mentor's Endowment

Mandi Nguyen '22

Urban Agriculture Summer Internship: Community Services Unlimited

Talk 4E, 4:15 PM



Mentor: Sharon Cech
Major: Sociology
Funding: UEP & UEPI Summer Internship: Urban Agriculture Program

Alonso Olvera-Gonzalez '24

Does Food Insecurity Affect Emotionality?: A Comparative Psychology Approach with Occidental Hi-S and Lo-S Rats

Talk 2B, 12:45 PM



Mentor: Nancy Dess
Major: Psychology
Funding: VanderWeele Student Research Fund

Emilio Pardi '22

SCANPH: Addressing the Housing Affordability Crisis from Policy to Development.

Poster 2D - 4, 1:30-2:30 PM



Mentor: Martha Matsuoka
Major: Economics
Funding: UEP & UEPI Summer Internship - Affordable Housing Program

Brian Park '22

Helper T cell response to Vaccination with Corynebacterium pseudotuberculosis Antigens

Poster 2E - 3, 1:30-2:30 PM



Mentors: Roberta Pollock and Karen Molinder
Major: Biochemistry
Funding: Chemistry/Biochemistry Summer Research Endowment

Adriana Pera '21

Communicating Science at Cabrillo Marine Aquarium through Biological Illustration and Exhibit Design

Poster 2E - 4, 1:30-2:30 PM



No Picture

Mentor: Shana Goffredi
Major: Art & Art History
Funding: National Science Foundation: Integrative and Organismal Systems Award

Alyssa Pfitzer Price '23

Urban Agriculture Summer Internship: Uncommon Good

Talk 2E, 12:30 PM



Mentor: Sharon Cech
Major: Biology - Marine Biology Concentration
Funding: UEP & UEPI Summer Internship: Urban Agriculture Program

Bia Pinho '23

From Oppression to Depression: How Do We Deal With Pain?

Talk 4F, 4:45 PM



Mentor: Stephen Klemm
Major: Comparative Studies in Literature & Culture
Funding: Mary S. Caswell Fund for Summer Research

Student Presenters

Divya Prakash '23

Diachronic changes to journalistic orality: the (re)technologization of the word
Poster 1B - 2, 10:45-11:45 AM



Mentor: Jacob Mackey
Major: Comparative Studies in Language & Culture, Cognitive Science
Funding: The Andrew W. Mellon Foundation

Noah Rakestraw '22

Cloning of tba-1 Suppressor Mutation in *C. elegans*
Poster 2E - 5, 1:30-2:30 PM



Mentor: Renee Baran
Major: Biochemistry
Funding: Undergraduate Research Center Summer Research Fellowship

Mira Ranganath '23

How tank water pH affects phosphorus uptake and the microbiome in epiphytic tank bromeliads
Poster 2E - 6, 1:30-2:30 PM



Mentor: Gretchen North
Major: Biology
Funding: Ford Research Mentor's Endowment

Odelia Raz Zuckerman '22

The Importance of the Body to Misogyny: Objections to Kate Manne's Down Girl
Talk 3A, 3:15 PM



Mentor: Clair Morrissey
Major: Philosophy, Politics
Funding: Undergraduate Research Center Summer Research Fellowship

Ashten Reese '22

Urban Agriculture Summer Internship: Community Services Unlimited
Talk 2E, 12:45 PM



Mentor: Sharon Cech
Major: Urban & Environmental Policy
Funding: UEP & UEPI Summer Internship: Urban Agriculture Program

Julie Riley '22

Art & Activism: Documentary Filmmaking and Collective Art as a Tool for Migrant Detention Abolition
Talk 2D, 12:30 PM



Mentor: Broderick Fox
Major: Media Arts & Culture
Funding: The Andrew W. Mellon Foundation

Isabelle Russell '23

Urban Agriculture Summer Internship: Uncommon Good
Talk 4E, 4:30 PM



Mentor: Sharon Cech
Major: Urban & Environmental Policy, Spanish
Funding: UEP & UEPI Summer Internship: Urban Agriculture Program

Connor Saldares '21

Development of a Decarboxylative Allylic Alkylation of Isobenzofuranones: Synthesis and Evaluation of Backbone-Substituted Phthalides
Poster 1E - 6, 10:45-11:45 AM



Mentor: Raul Navarro
Major: Chemistry
Funding: Donald R. Deardorff Endowed Undergraduate Summer Research Fellowship for Chemistry

Melina Sanchez '24

Understanding migration patterns in the Painted Bunting to assess impacts of climate change
Poster 1A - 6, 10:45-11:45 AM



Mentor: John McCormack
Major: Biology
Funding: Sherman Fairchild Foundation Fellowship

Student Presenters

Anna Sasser '22

Affordable Housing Development in Southern California.

Talk 3D, 3:15 PM



Mentor: Martha Matsuoka
Major: Urban & Environmental Policy
Funding: UEP & UEPI Summer
Internship: Affordable Housing Program

Maggie Saucedo '22

The Divine Donald: Christian Nationalism, Spiritual Warfare Discourse, and Presidential Amorality in the Making of the Capitol Insurrection

Talk 2A, 1:00 PM



Mentor: Amy Holmes-Tagchungdarpa
Major: Religious Studies
Funding: Undergraduate Research Center Summer Research Fellowship

Maeve Secor '22

Evolutionary divergence in Yellow Grosbeaks in the forests of Mexico

Talk 3E, 3:30 PM



Mentor: John McCormack
Major: Biology
Funding: Sarah H. Roberts '68 and David H. Roberts '67 Annual Research Fellowship in the Natural Sciences

Clara Sena-Gersh '22

Meeting the Demands of Immigration Based Non-Profits

Talk 1D, 10:00 AM



Mentor: Mary Christianakis
Major: Latino/a & Latin American Studies, Spanish
Funding: UEP & UEPI Summer
Internship: Immigration Rights & Social Justice Program

Kian Shamskhov '22

Visible Light Photoredox Catalyzed Functionalization of Alkenes with 1,3-Dicarbonyls

Talk 3B, 3:15 PM



Mentor: Jeffrey Cannon
Major: Biochemistry
Funding: The Fletcher Jones Foundation

Joseph Shiina '22

Leaf heat and drought tolerance of C3, CAM, and C3-CAM epiphytic bromeliads occupying distinct elevations of the tropical forest canopy

Poster 2E - 7, 1:30-2:30 PM



Mentor: Gretchen North
Major: Biology
Funding: Norris Research Endowment

McClaran Shirley '22

Understanding the Effects of Ocean Acidification on Gastropods Through the Cosman Shell Collection

Talk 3E, 2:45 PM



Mentor: Amber Stubler
Major: Biology
Funding: The Kenneth T. & Eileen L. Norris Foundation

Danielle Shores '22

Isolation of Adult Zebrafish Spinal Neurons in Culture

Talk 3E, 3:15 PM



Mentor: Joseph Schulz
Major: Biology - Cell & Molecular Biology Concentration
Funding: Ford Research Mentor's Endowment

David Simpson-Heil '22

Testing Cosmological Predictions with Dwarf Galaxy groups

Poster 1D - 6, 10:45-11:45 AM



Mentor: Sabrina Stierwalt
Major: Physics
Funding: Astronomy & Astrophysics Research Grant from the National Science Foundation

Student Presenters

Alex Smith '22

**The Smell of Sulphur:
Understanding Revelation
through Early Christianity's
Interpretation of Fire and
Brimstone**

Poster 1B - 3, 10:45-11:45 AM



Mentor: Kristi Upson-Saia
Major: Religious Studies, Psychology
Funding: Kneeland Ministry Prize
fellowship

Michael Straus '24

**Solar Survey - Measuring
Existing Panel Capacity for SCE
Substations Given Demand and
Load Data**

Talk 4D, 4:45 PM



Mentor: Daniel Snowden-Ifft
Major: Physics
Funding: Undergraduate Research
Center Summer Research Fellowship

Lena Sullivan '23

**Resisting the Corporate
Landlord Takeover of Los
Angeles**

Poster 1B - 4, 10:45-11:45 AM



Mentor: Martha Matsuoka
Major: Critical Theory & Social Justice
Funding: UEP & UEPI Summer
Internship: Affordable Housing Program

Ella Surposa '24

**Synthesis of a Pyrene Iron
Complex on Carbon Nanotube
for Flow Batteries**

Poster 2A - 5, 1:30-2:30 PM



No Picture

Mentor: Emmanuelle Despagnet-Ayoub
Major: Biology
Funding: Sherman Fairchild Foundation
Fellowship

Nathan Tam '23

**Coalitions, Community, and
Covid-19: A Case Study of
#PoliceFreeLAUSD**

Talk 4A, 4:30 PM



Mentor: Martha Matsuoka
Major: Urban & Environmental Policy
Funding: UEP & UEPI Summer
Internship: Affordable Housing Program

Mira Tarabeine '22

**Lobbying American Foreign
Policy- The Caesar Sanctions**

Talk 3C, 3:30 PM



Mentor: Mary Christianakis
Major: Critical Theory & Social Justice
Funding: UEP & UEPI Summer
Internship: Immigration Rights & Social
Justice Program

Shirying Tay '22

**Who is biased: you or the
algorithm? Taking a closer look
at Tiktok, the new viral sensation**

Talk 4B, 4:30 PM



Mentor: Jesse Mora
Major: Economics
Funding: Undergraduate Research
Fund for Corporate Responsibility

Femke Teunissen '23

**The Importance of a Digital
Presence for Non Profit
Organizations: Esperanza
Immigrant Rights Project as a
Case Study**

Talk 3D, 3:00 PM



Mentor: Mary Christianakis
Major: Diplomacy & World Affairs
Funding: UEP & UEPI Summer
Internship: Immigration Rights & Social
Justice Program

Jack Thomas-Colwell '23

**Electromechanical Reshaping of
Cornea**

Talk 1B, 9:45 AM



Mentor: Michael Hill
Major: Chemistry, Computer Science
Funding: Chemistry/Biochemistry
Summer Research Endowment

Student Presenters

Luca Van der Meer '22

Investigating the Trend towards German Stability Culture: A Narrative Analysis of Post World War II Monetary Policy
Talk 4B, 4:45 PM



Mentor: Andrew Jalil
Major: Economics
Funding: Ford Research Mentor's Endowment

Benjamin Ventresca '22

Quantifying the Impact of Sea Level Rise and Flooding on Airport Infrastructure
Poster 1B - 5, 10:45-11:45 AM



Mentor: Jason Wong
Major: Economics
Funding: Walter B. Gerken Summer Research Fellowship

Oli Vorster '22

"Queering le strade": An Analysis of Visual Framing Tactics in Italian Pride Parades in Bologna & Rome
Talk 3C, 3:15 PM



Mentor: Phillip Ayoub
Major: Diplomacy & World Affairs
Funding: Undergraduate Research Center Summer Research Fellowship

Patrick Walsh '22

The Path From Delusion to Moral Maturity in the Philosophy of James Baldwin
Talk 3A, 3:30 PM



Mentor: Ryan Preston-Roedder
Major: Philosophy
Funding: Arnston Memorial Essay Award

Aaliyah Washington '24

Converting Carbon Dioxide into Fuel: Nickel Catalyst Oligomerization of Light Olefins to Heavy Olefins for Lubricant Base Stocks
Poster 2A - 6, 1:30-2:30 PM



Mentor: Emmanuelle Despagnet-Ayoub
Major: Undeclared
Funding: Sherman Fairchild Foundation Fellowship

Irene Wickwire '23

Urban Agriculture Summer Internship: The Urban Homestead
Talk 2E, 1:00 PM



Mentor: Sharon Cech
Major: Urban & Environmental Policy
Funding: UEP & UEPI Summer Internship: Urban Agriculture Program

Camille Williams '23

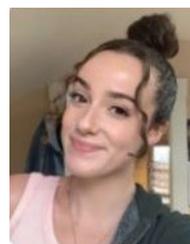
Awe & Our Internal Clock: Exploring Experiences of Awe In an Immersive Environment
Poster 1C - 5, 10:45-11:45 AM



Mentor: Aleksandra Sherman
Major: Cognitive Science
Funding: Undergraduate Research Center Summer Research Fellowship

Thea Wilson '24

Meeting the Demands of Immigration Based Non-Profits
Talk 1D, 10:15 AM



Mentor: Mary Christianakis
Major: Undeclared
Funding: UEP & UEPI Summer Internship: Immigration Rights & Social Justice Program

Jeffrey Yang '23

The Dependence of Lyapunov Exponents on Rayleigh Number for Rayleigh-Bénard Convection
Talk 1E, 9:45 AM



Mentor: Janet Scheel
Major: Physics
Funding: George M. Schmiedeshoff Summer Research Fellowship in Physics

Student Presenters

Olivia Yang '23

Looking for Black Holes in Dwarf Galaxies

Talk 1E, 10:15 AM



Mentor: Sabrina Stierwalt
Major: Physics
Funding: Astronomy & Astrophysics
Research Grant from the National
Science Foundation

Noah Yee Yick '22

Dialect Contact in Los Angeles: An Emerging Linguistic Safe Haven

Poster 1D - 7, 10:45-11:45 AM



Mentor: Mariška Bolyanatz Brown
Major: Diplomacy & World Affairs,
Group Language
Funding: Undergraduate Research
Center Summer Research Fellowship

Shanna Yeh '22

Maximizing Patient Experience at LA Community Health Clinic Through Education, Outreach and Communication

Poster 2D - 5, 1:30-2:30 PM

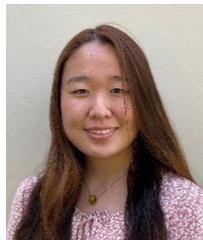


Mentor: Jessica Dirkes
Major: Biology
Funding: UEP & UEPI Summer
Internship - Public Health Program

Joanne Yi '22

Recognition of Prey E. coli with Different Number of Phosphates on its Lipid A by Bdellovibrio Bacteriovorus

Talk 1B, 10:15 AM



Mentor: Eileen Spain
Major: Biology
Funding: Mary S. Caswell Fund for
Summer Research

Max Young '22

Substrate Scope of Indolizidine Synthesis

Poster 2B - 4, 1:30-2:30 PM



Mentor: Jeffrey Cannon
Major: Chemistry
Funding: RUI: National Science
Foundation

Berret Yuffee '24

The Abjection of Fatness Through Social Media: "Body Positivity" and the Contemporary Maintenance of the Racialized, Female Body

Talk 4C, 4:45 PM



Mentor: Julie Prebel
Major: Undeclared
Funding: Undergraduate Research
Center Summer Research Fellowship

Jenn Zaratan '22

Tenant Organizing in LA: The Fight for Housing Justice During and After the Pandemic

Poster 2D - 6, 1:30-2:30 PM



Mentor: Martha Matsuoka
Major: Cognitive Science
Funding: UEP & UEPI Summer
Internship - Affordable Housing
Program

Rachel Zhang '23

Photoredox catalysis for forming ketyl radicals

Poster 2B - 5, 1:30-2:30 PM



Mentor: Jeffrey Cannon
Major: Chemistry
Funding: Research Grant for Faculty at
Principally Undergraduate Institutions
from Organic Syntheses, Inc

Funding

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In Memory of Andrea Hopmeyer, Professor of Psychology



Psychology Professor Andrea Hopmeyer, a longtime participant in undergraduate research, passed away on Nov. 20, 2020 after a valiant three-year battle against breast cancer. She was 53.

Andrea joined the Oxy faculty in 1996. A prolific scholar, she published more than two dozen articles and book chapters on the social and emotional development of children, adolescents, and emerging adults, focusing on such issues as loneliness, peer victimization, and popularity. She was proud of the number of articles she co-authored with her students, some of which were the product of her participation in the Summer Research Program.

One student who benefitted from Andrea's mentorship was psychology major Alex Morse '18, who came to Oxy from Phoenix. "I always feel like when we're talking, especially about our research, that she's preparing me for whichever angle I decide to go with and being very real with me," Morse said in a 2018 interview. Her relationship with Andrea extended beyond teaching and research, she added. "She's definitely my personal local expert on what I am doing with my life next. We talk about school and about life and about what's coming next for me."

Andrea's courses on such subjects as Developmental Psychology and Psychological Methods were ranked highly in student evaluations. She regularly presented her work at conferences in the United States and Canada.

A native of Montreal, Andrea was a summa cum laude, Phi Beta Kappa graduate of Clark University. She earned her master's and doctorate in psychology at the University of Illinois at Urbana-Champaign.

She is survived by her daughter, Jennifer Gorman, her sisters, Joann and Miriam, and her parents.



