

## Spotlight on Interdisciplinary Global Aggie Projects

### Undergraduate Research, Scholarship & Creative Activities Conference 2021

*See 2021 abstract book for more details about each project*



**The Influence of Climate Variables and Disease on *Plantago lanceolata* Survival**

- Lilly Ackerman* - Major: Evolution, Ecology, and Biodiversity
- Carmen David* - Major: Evolution, Ecology, and Biodiversity
- Samuel Flohr* - Major: Ecological Management and Restoration
- Qiuying Liao* - Major: Environmental Science and Management
- Sophia Pelletier* - Major: Wildlife, Fish, and Conservation Biology
- Ava Samuels* - Major: Environmental Science and Management



**Robot Strawberries: Economic and Labor Implications of Automation in the Strawberry Value Chain**

- Christopher Almaraz* - Major: Community and Regional Development



**Lei, il, or elle? Gender Non-Binarity in French**

- Santhoshi Angadipuram Ramanathan* - Major: Design



**Demand for Type 2 Diabetes Management via Telehealth Services in Vulnerable Latino Communities**

- Christina Arredondo-Lopez* - Major: Biological Sciences



**The Role of Digital Media on College Students' Future Career Beliefs**

- Liana Mae Atizado* - Major: Human Development



**Parenting Effects on Language Development in Mexican-American and Chinese-American Dual Language Learners**

- Man Ling Au* - Major: Human Development
- Qianya Sun* - Major: Psychology



**Correlations Among Health Variables in the Punjabi-Sikh Community**

- Kavenpreet Bal* - Major: Biological Sciences



**Enemies of Order, Enemies of Progress: Indemnification and the Abolition of Brazilian Slavery, 1883-1888**

- Jake Barrett* - Major: History



**Anthropophagy and Sexuality in Hawaiian-Religion and British Protestantism**

- Nishchala Beeram* - Major: Linguistics



**Experimental Reproduction of Bone Tools – An Attempt to Quantify Relative Complexity of Bone Projectile Points from Middle/Late Stone Age Africa**

- Sean Begg* - Major: Anthropology



**Into My Mother's Womb**

- Grace-Lynn Bridges* - Major: History



**The Influence of Classroom Language Environment on Bilingual Language Proficiency: Mexican-American and Chinese-American Dual Language Learners in Head Start**

- Xiaoyu Cai* - Major: Linguistics
- Mei Liu* - Major: Spanish
- Xintong Yang* - Major: Linguistics
- Sunny Zhou* - Major: Humanities



**Identifying Strengths and Barriers Faced by Latinx Parents of Children with Special Needs**

- Cristavel Camacho-Gutierrez* - Major: American Studies



**Investigating Processing of Sentences Containing Covert Racialized Adjectives**

- Isaias Ceballos III* - Major: Psychology



**Locating Nostalgia in Time and Space: The Colors of *Seishun* (Youth) in Japanese Cinema**

- Aska Melody Chong* - Major: Comparative Literature

**UC Davis Global Affairs Mission:**

*To inspire global curiosity, understanding & engagement.*  
 Find out more at <https://globalaffairs.ucdavis.edu>

## Spotlight on Interdisciplinary Global Aggie Projects ( Undergraduate Research, Scholarship & Creative Activities Conference 2021

See 2021 abstract book for more details about each project



**Me, the Floor, & the Rhythm**  
*Ruth Christopher - Major: English*



**Images of the (Post)Colonial: Acts of Killing and Symptoms of Trauma in Malaysia and Indonesia**  
*Kymberley Chu - Major: Anthropology*



**Transformative Voices: Listening To and Learning From the Transgender Communities in Mexico and Peru**  
*Eric Coyle - Major: Spanish*



**Holy Bodies: Exploring Religion, Culture, Ethics, and Sex Education Inequity among students in the Filipinx Diaspora**  
*Jessica Cuenco - Major: Mathematical Analytics and Operations Research*



**Assessing the Drivers of Genetic Diversity on Coral Reefs**  
*Robert Dellinger - Major: Marine and Coastal Science, Marine Ecology, and Organismal Biology*  
*John Amiel Flores - Major: Evolution, Ecology, and Biodiversity*  
*Camille Rumberger - Major: Marine and Coastal Science, Marine Ecology, and Organismal Biology*



**The Palm Oil Dilemma and Rethinking Carbon Neutrality Calculations**  
*Jenna Deutschman - Major: Atmospheric Science*



**Warmth, Competence, and Social-class of Immigrants**  
*Sheyla Mirka Dirzo - Major: Psychology*



**Canonizing the Uncanny: The Power of Spiral Sight in Patricia Grace's *Potiki***  
*Eli Elster - Major: English*



**Vision for the Agricultural System in 2050**  
*Yuting Fan - Major: Clinical Nutrition*



**Structural Racism in Scientific Literature**  
*Yasameen Farahvash - Major: Neurobiology, Physiology and Behavior*



**Income Inequality Outcomes of Asset Price Bubbles**  
*Tomer Fidelman - Major: Economics*



**No Evidence of Inbreeding Depression on Height Within the Himba, A Namibian Pastoralist Population**  
*Brenna Gallagher - Major: Anthropology*



**Influence of Striga Infestation on Microbial Communities Colonizing Sorghum Roots**  
*Adrian Garcia - Major: Genetics and Genomics*



**Post Covid-19 Air New Zealand Marketing Plan**  
*Eva Goodisson - Major: Managerial Economics*



**Prehistoric Hafting in South Africa**  
*Brian Graves - Major: Anthropology*



**Water Shortages, Lithium Mining, and the Indigenous Community in San Pedro de Atacama: The Impact of Profit Maximizing Behavior on Atacameño Tradition**  
*Xander Goldman - Major: International Relations*



**The Effects of Social Exclusion and Familism on Prosocial Behaviors in Mexican-Origin Adolescents**  
*Ritika Gupta - Major: Psychology*



**Governance in Economic Recovery**  
*Zhengqian He - Major: Economics*



**Heng in Cambodian for Luck: How My Father Escaped The Cambodian Genocide**  
*Jarod Heng - Major: Cinema and Digital Media*

## Spotlight on Interdisciplinary Global Aggie Projects

### Undergraduate Research, Scholarship & Creative Activities Conference 2021

See 2021 abstract book for more details about each project



**Differing Ideas of Karma in South Asian Religions**  
*Kriti Iyer - Major: Neurobiology, Physiology, and Behavior*



**Fundamental Genetics to Analyze Effects of Genes Involved in Drought Tolerance and Seed Composition in *Arabidopsis Thaliana* and Maize**  
*Abelina Jackson - Major: International Agricultural Development*



**Introductions to Gender Equity and Intersectional Feminist Discourse**  
*Gursimran Kaur - Major: Gender, Sexuality, and Women's Studies*



**From Bitter to Sweet: Affection and Insults in Punjabi Folk-Songs**  
*Husn Kharabanda - Major: Economics*



**Coming Full Circle: The Ideational Parallels of Catherine Beecher and the De Stijl Art Movement**  
*Kayetana Klinghoffer - Major: Art History*



**COVID-19 and the Wine Industry: How the Pandemic Changed the Daily Lives of Industry Workers and Influenced Wine Sales**  
*Kendal Kooreny - Major: Viticulture and Enology*



**Genetic Pathways that Confer *Ralstonia* Survival in Starvation Mode**  
*Hang Le - Major: Global Disease Biology*



**The Benefits and Challenges of Digital Transformation of Commercial Banks during COVID-19 Pandemic**  
*Qiuying Lin - Major: Managerial Economics*



**Caste and Caste-ism: An Ethnographic Study of the Socialization of Indian Expatriate Children Growing Up in the UAE**  
*Radhika Marwaha - Major: Global Disease Biology*



**Assessing the Impact of Acculturation on Attitudes and Behaviors Towards Domestic Violence in Arab Refugees**  
*Radhika Marwaha - Major: Global Disease Biology*



**Comparison of Machine Learning Models for Image Classification**  
*Himshikha Nath - Major: Computer Science*



**Can California's Chaparral Persist With More Frequent Fires?**  
*Landin Noland - Major: Ecological Management and Restoration*



**Role of Parent-Child Talk During Book Reading on Heritage Language Proficiency with Spanish-English Dual Language Learners in Head Start Program**  
*Yuliett Olivas-Gonzalez - Major: Human Development*



**The Burden of French Multiculturalism**  
*Mazarine-Claire Penzin - Major: Political Science*



**One Climate Crisis, Many Climate Solutions: Differences between Prognostic Frames Employed by Climate Organizations in SD**  
*Megan Phelps - Major: Environmental Science and Management*



**Evolutionary and Sequence Analysis of Putative Genes Associated with Nitrogen Use in Wheat**  
*Yan Pomogov - Major: Biotechnology*  
*Joana Tanurahardja - Major: Biotechnology*



**Fiery Women: The Myth of the Pétroleuses in America**  
*Robert Ridgley - Major: History*



**Evaluating Cultural Destruction Jurisprudence through Criminal Response, Restorative Response, and Regulatory Process Perspectives**  
*Devapriya Roy - Major: Political Science*

## Spotlight on Interdisciplinary Global Aggie Projects

### Undergraduate Research, Scholarship & Creative Activities Conference 2021

*See 2021 abstract book for more details about each project*



**Famine and Attitudes**  
*Xianzheng Sun - Major: Economics*



**Expanding Biodesign Education and Outreach**  
*Kiyomi Sun - Major: Neurobiology, Physiology and Behavior*



**Inughuit, Polar Explorers, and Glass Breads in late 19<sup>th</sup> and early 20<sup>th</sup> Century Northwestern Greenland**  
*Michael Sze - Major: Anthropology*



**Neo-Imperialism and the Cold War Legacy of the 21<sup>st</sup> Century: Analyzing the Triangular Relationship Between the US, the Philippines, and China**  
*Mikka Vapor - Major: International Relations*



**Admixture Analysis of Hispanic Populations in TCGA Database for Gastric Cancer Mutations**  
*Rasika Venkatesh - Major: Biotechnology*



**Returns to Agricultural Technology in Rich and Poor Countries**  
*Alexis Vivas Flores - Major: Managerial Economics*



**Yield Effects of Drought Tolerant Maize in Sub-Saharan Africa**  
*Miranda Willard - Major: Managerial Economics*

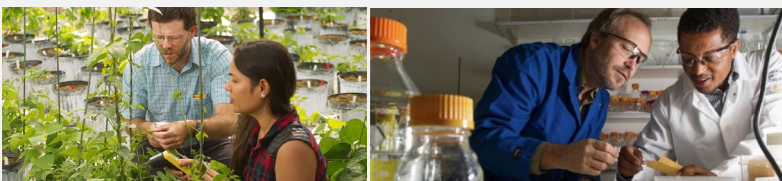
## A Global Education for All

### Preparing Students to Succeed in an Interconnected World!

As our world becomes more interconnected, our job market becomes more global, our knowledge crosses more boundaries, and our well-being relies upon interdependence—so, too, must the education of our students. UC Davis is now building on the university's growing international experiences and rich regional diversity to provide vital intercultural preparation and global education to *all* UC Davis students.

**Global Education for All** moves beyond traditional study abroad opportunities to provide students with a variety of experiences tailored to their interests, skills and aspirations. The benefits are twofold. Students gain life-shaping experiences and valuable critical thinking and professional skills that set them apart from other graduates. Simultaneously, urgent global environmental, public health, social and economic challenges, among others, are met with solutions.

Find out more at <https://globalaffairs.ucdavis.edu>



Dear Students,

On behalf of UC Davis Global Affairs, I am thrilled to recognize our third cohort of "Global Aggies" Undergraduate Researchers!

As you know, the world is becoming more and more interdependent and interconnected. Many of our greatest challenges—such as the spread of disease, climate change, inequality, or food insecurity—are global in scale. And our ability to address them by engaging with collaborators across disciplines and across borders is greater than ever before.

This is why I was proud to see that so many Undergraduate Research Conference projects received a "Global Aggies" designation, indicating that their work reflected an effort to adopt a global perspective by including a focus:

- outside the United States;
- on addressing a UN Sustainable Development Goal;
- on a transnational population, person, place or practice (economic, cultural, environmental, etc.) within the U.S.;
- on how U.S.-based policies/practices are affecting or affected by global dynamics; or
- on an international or intercultural collaboration.

Knowing the valuable impact that this type of global perspective has for students and for communities, we are taking on an ambitious goal: Global Education for All. This new university initiative will ensure that each and every one of you have opportunities for meaningful international or intercultural experiences before graduation.

In the spirit of Global Education for All, I encourage you to continue using your ability to think and act both globally and locally to take on the opportunities of today and tomorrow. Congratulations to our "Global Aggies" Undergraduate Researchers!

Best wishes,

Joanna Regulska  
Vice Provost and Dean

[globalaffairs@ucdavis.edu](mailto:globalaffairs@ucdavis.edu) | [globalaffairs.ucdavis.edu](http://globalaffairs.ucdavis.edu) | #GlobalAggies