

## Spotlight on Interdisciplinary Global Aggie Projects (Selected examples)

### Undergraduate Research, Scholarship & Creative Activities Conference 2020

See 2020 abstract book for more details about each project



- 

**“The People Want the Fall of the Regimes” – Decolonization and Revolutions in Egypt, 1919, 1952, and 2011.**  
*Sanjit Uppal – Major: History*
- 

**#ThisIsNotAMuslimBan: The Trump Administration and the Legacy of Legal and Social Signaling in Immigration Exclusion**  
*Valencia Scott – Major: Anthropology*
- 

**2018 Migrant Caravan**  
*Anastasia Lenoir – Major: Anthropology*
- 

**A Study on the Impact of Increasing Availability of Credit on the Growth of SHGs in Regions Across India**  
*Ranjini Srikantan – Major: Managerial Economics*
- 

**Achieving California's Climate Goals: A Comparison Between California Policy Options and Swedish Greenhouse Gas Emissions Reduction Policy**  
*Michael Yoakam – Major: Environmental Science & Policy*
- 

**An Analysis of the Oral Microbiome of Ancient Egyptian Individuals Through Metagenomic DNA Annotation and Sequencing**  
*Ian Slack – Major: Anthropology*
- 

**An Analysis of the Term “Kurd” in the New York Times (1900-1909)**  
*Christopher Alam – Major: English*
- 

**An Early 20th Century Understanding of Syria: Through the Glass Stained Lens of the Church, an Analysis of the Term “Syria” in the New York Times (1900-1909)**  
*Nancy Juarez – Major: International Agricultural Development*
- 

**An Investigation of Adaptive Introgression in Anopheles Mosquitoes in Cameroon**  
*James Hibbert – Major: Neurobiology, Physiology and Behavior*
- 

**Analysis of Qatar’s Female Labor Force Participation Rate**  
*Elise Boyle – Major: Economics*
- 

**Archiving Iraq: The Post-Colonial Period and Occupation**  
*Abigail Robertson – Major: History*
- 

**Assessing Health Disparities in the Sacramento Hmong Community: Relationship Between Income, Education, and BMI**  
*Eric Yang – Major: Genetics and Genomics, David Yang – Major: Neurobiology, Physiology and Behavior, Thad Yang – Major: Neurobiology, Physiology and Behavior*
- 

**Assessing Multidisciplinary Approaches to Disease Determinants: A Systematic Review.**  
*Rosaura Sierra – Major: Global Disease Biology*
- 

**Assessing the Impact of Defense Cooperation on Terrorism in Latin American**  
*Colin Heurlin – Major: International Relations*
- 

**Behind the Veil**  
*Noor Halabi – Major: International Relations, Layla Mustafa – Major: International Relations*
- 

**Bilingual Skills and Executive Function: English-Spanish Bilinguals in Dual Language Immersion Programs**  
*Yuxuan Xiang – Major: Psychology*
- 

**BiInnovation Group’s Algae to Insulin Project: Chlamydomonas reinhardtii Chloroplasts as a Sustainable Biomanufacturing Platform**  
*Lauren Ting – Major: Biochemistry and Molecular Biology*

**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** (Selected examples)  
**Undergraduate Research, Scholarship & Creative Activities Conference 2020**  
*See 2020 abstract book for more details about each project*



**Brettanomyces Spoilage in Aged Wines from Argentina**  
*Heesun Kim – Major: Food Science*



**Calibrating the Next Generation of Neutrino Detectors**  
*Deangelo Wooley – Major: Physics*



**Characterization of Native Starch Branching Enzymes in Three Potato Cultivars**  
*Keyun Wang – Major: Physics*



**Cloning and Expression of Antibacterial Mammalian Milk Peptides in Yeast**  
*Zixuan Fang – Major: Genetics and Genomics*



**Comparison of Asynchronous Telepsychiatry Alongside Synchronous Telepsychiatry in Skilled Nursing Facilities**  
*Mario Hernandez – Major: Psychology, Nidhi Mundada – Major: Neurobiology, Physiology and Behavior*



**Comparison of Davis and Malawi Infants on Visual-spatial Attention Development**  
*Zhijun Chen – Major: Psychology*



**Compositional Analysis of Human Milk Oligosaccharides via Liquid Chromatography-Mass Spectrometry (LCMS)**  
*Yuting Fan – Major: Chemistry*



**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 Associate Chancellor

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