

Spotlight on Interdisciplinary Global Aggie Projects (Selected examples)

Undergraduate Research, Scholarship & Creative Activities Conference 2018

See 2018 abstract book for more details about each project

 **Bilingual Education: Less Fallout from High-School Dropouts**
Romae-Anne Aquino, International Relations

 **Testing the Efficacy of a Zika Vaccine in a Pregnant Rhesus Macaque Model of Congenital Zika Syndrome**
Pablo Badra, Global Disease Biology

 **The United Nations Security Council's Responsibility to Protect: Security or Trade?**
Casey Crumrine, International Relations

 **Implementation of Positive Inclusivity in Design**
Marielle Ednalino, Design

 **Demarginalizing the Migrant Experience through Narratives**
Liliana Estrada Torres, Psychology

 **The Impact of Acculturation and Enculturation on Physical Health Outcomes**
Jacinda Chan and Praveen Karunatileka, Psychology

 **Examining Ethnic, Gender, and SES Differences in the Social Validity of Cognitive Behavioral Therapy**
Helen Fann & Jinmeng Li, Psychology


 **Efficiency of Groundwater Use in Agriculture**
Tadewos Getachew, Civil Engineering

 **The Expression of Genetically Variant Peptides in Pigmented and Non Pigmented Hair and its Implications for a Novel Technique of Human Identification**
Rachel Franklin, Chemistry

 **The Middle East and North Africa in U.S. Media Representations: An Analysis of the Term "Greek Orthodox/Eastern Orthodox" in the New York Times (1900-1909)**
Natalie Hovsepian, Anthropology

 **Effects of Heat Stress on Development of Bovine Ovarian Preantral Follicles**
Kendall Hyde, Genetics and Genomics

 **Arabian Nights: Deconstructing Terminology and Exoticization in the New York Times**
Carina Mkrtychyan, Anthropology


 **Case Study of a Cholera Outbreak in the 21st Century**
Janice Mwaniki, Neurology, Physiology & Behavior

 **Mechanisms of Iron Acquisition in *Brucella abortus* Contribute to Growth in Placental Trophoblasts and Fetal Pathology**
Ariel Munoz, Global Disease Biology


 **Hepatitis E Virus Nanoparticles as Insulin Oral Delivery Vector**
Michelle Nguyen, Environmental Toxicology

 **Influence of N-acetylglucosaminyltransferase V N-Linked Glycans on the Molecular Dynamics of Human Integrin β 1**
Alejandra Quiroz Alonso, Global Disease Biology

 **Child Body Mass Index and Diet Behaviors Associated with Parent Restrictive Feeding Practices**
Shanthal Ferreyra, Human Development, and Alma Sanchez, Psychology

 **Incorporating a Socio-Scientific Issue Into the General Chemistry Curriculum to Improve Student Engagement**
Jose Sandoval, Neurology, Physiology & Behavior; Dhruv Nandakumar, Computer Science; and Jennifer Kopetzky, Biochemistry and Molecular Biology

 **Food Waste and Ethno-Cultural Perceptions**
Erika Pantoja, Community and Regional Development


 **Creating Clean Water Through Organic Filtration**
Yordanos Shita, Geology



UC Davis Global Affairs Mission:


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

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 **The Impact of Gender Quotas on Female Labor Market Indicators**
Christina Skandalis, Economics

 **Placenta Stem Cell Therapy for Spinal Cord Injury**
Erica Tutuwan, Global Disease Biology

 **Traditional Mud Silk in Contemporary Fashion**
Fusi Xu, Design

 **Point-of-Care Needs and Availability for Diagnosis and Monitoring of Diabetes Mellitus in Central Vietnam**
Irene Ventura Curiel, Clinical Nutrition

 **The Effect of 9-Year Chinese Compulsory Education Policy on the Household Consumption Behaviors**
Qiaoying Yuan, Biotechnology

 **Striving for Better Patient Outcomes: Opportunities for Early Detection of Patients with Acute Myocardial Infarction and Highly Infectious Diseases in Central Vietnam**
Amanullah Zadrán, Biochemistry and Molecular Biology

 **Reimagination of Self: Transnational Human Quality Embodiment in Contemporary China**
Lienong Zhang, Biological Sciences



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.

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Undergraduate Research Center, <http://urc.ucdavis.edu>

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Dear Students,

On behalf of UC Davis Global Affairs, I am thrilled to recognize our first cohort of "Global Aggie" 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 Aggie" designation, indicating that their research reflected an effort to adopt a global perspective by including a focus:

- outside the United States;
- on addressing a 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 every UC Davis student has 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 inaugural "Global Aggie" Undergraduate Researchers!

Best wishes,

Joanna Regulska
Vice Provost and Associate Chancellor