

# 2020 UGP Awards

## 49 Awards Total \$459,005

**Akhavian, Reza** Engineering

Autonomous, Adaptive, and Scalable Construction Workers Activity Recognition using Mobile Sensors to Enhance Project Safety and Productivity  
\$10000

**Barber, Nicholas** Sciences

Ecological theory in the built environment: predicting microbial community assembly and dynamics in building materials  
\$9680

**Bhutani, Surabhi** Health and Human Services

Impact of immersive food content videogame playing on odor perception and eating behavior  
\$10000

**Brotebeck, Stephen** Professional Studies and Fine Arts

'Til Death Do Us Part - Actors' Equity Association 29 Hour Industry Reading  
\$10000

**Carruthers, David** Arts and Letters

Sustainability Assessment of the Tijuana/Baja Gastro-Tourism Boom  
\$10000

**Castro, Carlos** Professional Studies and Fine Arts

Solo Exhibition The Pain We Create  
\$9900

**Chakravarty, Dwarkaprasad** Business

Global Cities, Co-Ethnic Clusters, and Performance: Equifinality and Optimal Distance.  
\$9800

**Chen, Jun** Engineering

An Optimization-driven Drone Fleet Management Framework for Large-scale On-Demand Delivery Services  
\$10000

**De Sales, Fernando** Arts and Letters

Tropical storms as a limiting factor for wildfire threat in Southern California  
\$9255

# 2020 UGP Awards

## 49 Awards Total \$459,005

**Dickson, Kelsey** Education

Characterizing Adaptations to an Autism Executive Functioning Intervention to Guide Community Implementation

\$9972

**Dykstra, Christine** Engineering

Development of a Novel Bioelectrochemical System (BES) for Simultaneous Energy and Nutrient Recovery from Wastewater

\$9958

**Feng, Yang** Professional Studies and Fine Arts

Understanding Consumer Responses to Sponsored Posts on Instagram

\$8200

**Garrity, Sarah** Education

Using a Cultural Communities Lens to Examine the Beliefs of Chaldean Early Childhood Educators about Children, Teaching, Discipline, and Bilingual Education

\$6575

**Gibbons, Joseph** Arts and Letters

Who's losing sleep over gentrification? Gentrification and stress in Los Angeles

\$9344

**Goggin, Stephen** Arts and Letters

Partisan yet personal politicians: Candidates' biographies and how they matter

\$10000

**Hernandez, Sera** Education

Binational Project GLAD: Investigating Professional Development at the U.S. Mexico Border

\$8215

**Hong, Youngjoon** Sciences

Numerical Study of Nanoplasmonics and Solar Thermophotovoltaics: Alternative and Sustainable Energy Source

\$10000

**Horvath, Keith** Sciences

Formative Work to Develop an Effective HIV Self-Testing Intervention in Kampala, Uganda

\$9760

# 2020 UGP Awards

## 49 Awards Total \$459,005

**Huangfu, Luwen** Business

Analyzing Cancer Patients' Out-of-Hospital Days: A Cost and Geographical Analysis  
\$9980

**Johnson, Nicholas** Education

Making Competence Explicit: How Teachers and Students Negotiate What it Means to Do Mathematics Together  
\$7375

**Kang, John S.** Engineering

Using machine vision and machine learning for smart monitoring of polymer laser sintering additive manufacturing process  
\$10000

**Kras, Kimberly** Professional Studies and Fine Arts

Desistance and identity transformation through post-incarceration employment programming  
\$9985

**Luallen, Robert** Sciences

A new paradigm for pathogenic bacteria spreading between host cells  
\$10000

**Manley, Adam** Professional Studies and Fine Arts

"Safe Room" (working title) Solo exhibition at Houston Center for Contemporary Craft  
\$10000

**Marquez, Sunaina Chugani** Business

Social Media Wisdom and Youth Well-Being  
\$4000

**Mathwich, Nicole** Arts and Letters

Ecologies of Colonialism: Nineteenth Century Ranching Landscapes in Southern Arizona  
\$9700

**Miletic, Marta** Engineering

Coupled Chemical-Hydro-Mechanical Processes in Porous Media  
\$10000

**Nedjat-Haiem, Frances** Health and Human Services

Identifying Health Literacy and Cultural Factors for Adapting Advance Care Planning for Latinx with Chronic Illness

# 2020 UGP Awards

## 49 Awards Total \$459,005

\$10000

**Negash, Sesen** Education

Barriers to Family Therapy During Correctional Reentry: A Need Assessment

\$9967

**O'Connor, Shawn** Health and Human Services

Age-associated changes in biomechanical walking stability as a unique indicator of fall risk

\$9580

**O'Donnell, Jennifer Lee** Imperial Valley Campus

Teachers who cross borders: Migration and education in the Borderlands

\$10000

**Oren, Eyal** Health and Human Services

Examining real-time effects of e-cigarette inhalation and exposure

\$10000

**Parada, Humberto** Health and Human Services

Environmental parabens, global and breast tumor DNA methylation, and breast cancer incidence

\$9990

**Park, Sungyong** Engineering

An electrowetting-driven liquid prism array for effective solar energy collection

\$10000

**Post, Eric** Health and Human Services

Beliefs of Youth Basketball Parents Regarding Sport Specialization and College Scholarships

\$9650

**Quandt, Amy** Arts and Letters

Agricultural Resilience of the Imperial Valley: Historical, Current, and Future Perspectives

\$9965

**Reinholz, Daniel** Sciences

Data analytics for equity: A study of faculty sensemaking

\$10000

**Robb Larkins, Erika** Arts and Letters

Heat: Race, Class, and the Right to Stay Cool in Rio de Janeiro

\$10000

# 2020 UGP Awards

## 49 Awards Total \$459,005

**Sant, Kari** Health and Human Services

Toxicological assessment of the emerging contaminants Tris(4-chlorophenyl)methane and -methanol  
\$2458

**Scharf, Henry** Sciences

Broadening the impact and accessibility of animal movement models  
\$10000

**Shamsalizadeh, Neda** Imperial Valley Campus

Health Care Professionals' Perception of Barriers and Supports Contributing to Women's Decisions on Exclusive Breastfeeding: A qualitative Study  
\$10000

**Silkes, JoAnn** Health and Human Services

Attentional engagement of linguistic and non-linguistic stimuli in aphasia  
\$10000

**Tully, Timothy** Library

Fowler Success Video Series  
\$6000

**Twist, Kimberly** Arts and Letters

Understanding Extremism in the U.S. and Europe  
\$10000

**Vann, Burrel** Professional Studies and Fine Arts

A mixed-methods analysis of national discourse about marijuana  
\$9966

**Villodas, Miguel** Sciences

Intergenerational effects of child maltreatment on parenting behavior: A three-generation prospective study  
\$10000

**Wright, James** Education

Culturally Responsive Self-Reflective Writing: Educational Leadership Redesign and Reflection  
\$10000

# **2020 UGP Awards**

## **49 Awards Total \$459,005**

**Xie, Junfei** Engineering

Distributed Computing and Control Co-Design to Enable Airborne Cloud  
\$10000

**Yao, Yao** Business

Consumer Demand for Luxury Goods: The Psychological and Financial Effect of Price  
\$9730