CONGRATULATIONS!
Provost’s Undergraduate Fellowship Recipients
FALL 2019

COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

Corinne Butler, Biotechnology
Nitrogen Fixation in the Amazon Rainforest

Hui Wen Lisl Chew, Biotechnology
Discovery of Cytochrome P450 Enzymes with Possible Roles in Switchgrass Stress Tolerance

Gabriella Mukai, Animal Science
Inducible Stress Tolerance in Chinook Salmon Alevins

Joshua Liu, Animal Science
Investigating Social Dominance Hierarchies in Group-housed Gestating Sows

Hana Minsky, Global Disease Biology
Elucidating the Anti-fungal Mode of Action of Maize Dolabralexins

Vincent Pan, Animal Biology
Trellis Structural Complexity and Heterogeneity

Niharika Rane, Biotechnology
Type 1 Regulatory Cell Modulation of the Germinal Center Response in Rhesus Macaques

COLLEGE OF BIOLOGICAL SCIENCES

Cliff Moran, Neurobiology, Physiology, and Behavior
Role of the Adhesion Molecule, Fasciclin II, in Development of the Drosophila

Jordan Evan, Evolution, Ecology, and Biodiversity
Can Competition Explain the Paradox of Two Species of Sympatric California Jewelflower?

Zachary Markham, Cell Biology
Co-localization of Mitochondrial Metabolons

Kayleen Lederman, Microbiology
Examining the Role of Cyclases in Myxococcus Xanthus Fruiting Body Development

Jed Keenan Obra, Neurobiology, Physiology, and Behavior
The Role of Collagen Composition and Orientation in Lateral Force Transmission with Aging

Wahed Firoz, Biochemistry and Molecular Biology
Characterizing the Cellular states of Virgin Beta Cells within Mouse Pancreatic Islets using Immunofluorescence and Confocal Microscopy Imaging

Andrea Navarrete Vargas, Cell Biology
The Role of Cold Temperature in the Survival of Motor Neurons during Spinal Cord Development

Diana Polhac, Biological Sciences
Effects of Aging on the Spatial, Spectral, and Temporal Neural Processing in Rhesus Macaques

COLLEGE OF ENGINEERING

Quinn Davies, Mechanical Engineering
Applied Structural Composites Technology

Serena Kutney, Chemical Engineering
Salt Stress to Increase Lipid Accumulation of Microalgae Grown in Wastewater

Elizabeth Metzger, Biomedical Engineering
Force Induced Proximal Biotinylation Surrounding Vinculin

Max Win, Materials Science and Engineering
Building a Machine-Learning Interaction Potential for the Liquid and Amorphous Na-Ge-Se System

COLLEGE OF LETTERS AND SCIENCES

Julie Xu, Economics/Design
Sustainability in the Boba Industry

Nastassya Ferns, Sociology
Interaction with the Past: Digital Testimony from Holographic Holocaust Survivors

Sofia Marino, Geology
Fracture and folding at fault tips in the Needles Fault District (UT)

Chara Andrews, Cinema and Digital Media
Ethnic Women and Beauty Standards Regarding Hair

Aryssa Ham, Sociology/Psychology
Attraction-Selection-Attrition in the Legal Field: Asian Americans and Public Service Motivation

Nikoletta Karapanos, Anthropology
Getting to the Root of the Matter: Evaluating Human Tissues to Help Identify Two Individuals from 1850s California
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COLLEGE OF LETTERS AND SCIENCES (continued)

Max Lisch, Sociology

Zoe Loh, Cognitive Science
Exploring Differences in Working Memory as a Predictor of Eye Movement Behavior

Enrique Lopez, Sociology - Organizational Studies
Documenting the Undocumented High School Student Perception of Depression and Mental Health

Marcelo Lopez, Sociology/Chicanx Studies
Impact of Emerging Artificial Intelligence in the Human Resources Industry

Xin Shi, Statistics
Evaluation of the antimicrobial effects of Vitamin B2 against common foodborne pathogens

Chase Newell, Sociology
Untitled Homelessness Project

Jasmin Pena, Sociology
The Uncertainty of DACA

Julia Weidner, Pharmaceutical Chemistry
Optimizing Redox Flow Battery Analyte for Improved Renewable Energy Storage

Joselyne Quiroz, Sociology
Broken Promises and Misplaced Anger: The Emergence of Involuntary Celibacy Among Young Men

Caroline Rutten, Sociology
Social Capital for Single Mothers at Sac City Community College

Emma Wynne, Sociology
Changing Notions of Hunger in the Media

Yier Zhu, Psychology/Communication
The Development of Infants’ Attention to Social and Linguistic Cues

Nathan Soland, Chemistry
High-Throughput Differential Thermal Analysis for Developing Phase Diagrams

Kaia Yellowhorse, Political Science/Pharmaceutical Chemistry
C-H Insertion of Donor/Donor Rhodium Carbenes