

**10<sup>th</sup> Annual  
Student Research Symposium**



*An interdisciplinary  
meeting of the minds*

**May 9, 2019**

## About the Symposium



**Woodland Community College's Student Research Symposium** is hosted every spring to highlight the diverse research interests of our students. Now in its tenth year, the symposium has grown so much that we had to split into a separate Humanities Expo to feature all the student work at WCC!

The symposium features research in the natural and social sciences using a variety of research methodologies:

- Students conducting **primary research** collect original data through experiments, qualitative interviews, or surveys.
- Students conducting **secondary research** are synthesizing or analyzing existing information or sources.

Research projects are organized by the type of research and the course for which the research was conducted. To learn more about these courses, see WCC's Course Catalog.



## **BIOL 3 - General Botany (Primary Research)**

Prof. Brian Gillespie

### **Effects of Household Cleaners on Tomato Plant Growth**

Ajay Bassi

### **Effects of pH on Tomato Growth**

Arzo Zazai, Rohini Sharma

### **Effects of Sugar on Tomato Plants**

Shan Pegany, Bhupinder Singh

### **How colors affect plant growth: Effect of phytochroms and cryptochromes**

Shannon Fu

## **PLSCI 20L – Principles of Plant Science (Primary Research)**

Prof. Candice Stafford-Banks

### **From Waste to Gold**

Andy Enriquez, Jacob Delgado Ramirez, Mason Blackman

### **Grafting Experiment**

Armando Anaya, Dulce Ordaz, Claudia Sigala

### **I herb you wanted to know: Do herbs grow better with traditional gardening or in a hydroponics system?**

Jocelyne Sepulveda, Kendra Atkinson, Jaimie Nino, Isaac Villalobos

### **Survival of the fertilizer: Can a fertilizer affect plant growth?**

Kenia Hernandez, Galilea Lopez, Diego Obregon, Ibeth Ramos

### **To amend or not to amend?**

Lillian Minyard, Nereida Cervantes, Tiffany Korn

### **What are your plants thirsting for?**

Tristan Grooman, Claudia Barajas, Elijah Garcia, Paula Johnston

### **What soil works best for a pork n bean?**

Kristina Fink, Angelina Montejano Villa, Lilliana Magallon

# **PSYCH 7 - Research Methods in Psychology (Primary Research)**

Prof. Alison Buckley

## **Compassion Levels in PTSD**

Marcos Estrada, Salvador Linares, Carter Hathaway

## **Gaydar... Is it real?**

Rachel Gordon, Sabrina Whitney, Devin Land

## **Have you ever been in a toxic relationship?**

Fabiola Hernandez, Nayeli Hernandez

## **Marijuana Consumption and Academic Success**

Catherine Diaz, Daniela Chavez, Nancy Luna

## **Marital Status and its Imprint**

Kayla Sanders, Miriam Juarez Negrete, Liliana Hernandez

## **Nutritional Manipulation with College Students**

Amaray Bair, Alisha Reyes, Soledad Hernandez

## **Racial Bias on Attraction**

Sabrina Marchand, Ashley Raybould, Sean Mazeres, Jonathan Anguiano

## **Relationship Satisfaction within Extroverts/Introverts**

Andrea Solano, Adriana Arrezola, Carmen Marquez-Quintana

## **Social Media and News Awareness**

Kenia Torres, Juan Guzman, Emilio Barba, Alejandra Munguia

## **Social Media's Effects on Self-Esteem**

Eric Sutton, Paula Castillo, Olga Novoa Cipriani, Jordan Raymar

## **Stress in First-Generation and Non-First Generation College Students**

Alejandra Alcantar, Monica Villalobos, Cody McCallum

## **The Differences Between Professors**

Valeria Salcedo, Gaby Gaspar, Humberto Garibay

## **A Study on Exercise and Cognition**

Courtney Akey, Christian Torres, Daniela Martinez

## **SOCIL 8 – Social Science Research Methods (Primary Research)**

Prof. Nili Kirschner

**Exploring involvement of single mothers in their children's education: A qualitative study**

Lacey Budwiser

**Fathers' responses to popular media representations of fatherhood: The good, the bad, and the stupid**

Rigo Tovar

**First generation Latino students' experiences of EOP&S: A pilot study**

David Ortega

**"I don't need a stranger's approval": Millennials' perceptions of social media**

Savanah Greenwood

**Implicit racial bias in public response to police action: A pilot survey**

Benjamin Gore

**Influence of parents' background on preschool teachers' behavioral intervention: A pilot study**

Katherine Hall

**'Just whistle': An analysis of stereotypically gendered advertisements**

Elizabeth Vidales

**Man vs. Machine: Individual attitudes towards Artificial Intelligence**

Muhammad Ahmed

**One step forward, two steps back: The struggles of single moms in community college**

Sara Diaz

**The white awakening: How ethnic studies fosters color consciousness in white college students**

Curtis Hoyt

**Trusting the force: Community policing and attitudes towards law enforcement**

Namra (Nim) Sohail

## **AG 45 - Principles of Animal Science (Secondary Research)**

Prof. Brandi Asmus

### **Beef Cattle: Grass Fed vs. Grain Fed**

Jonathan Rodriguez

### **Dehorning in Cattle**

Gustavo Paiz

### **Should genetically modified foods be specifically labeled?**

Adam Yandel

### **The Truth about Hormone Additives**

Kendra Atkinson

## **BIOL 5 – Human Physiology (Secondary Research)**

Prof. Jaya Shah

### **Anxiety**

Navroop Jhutti

### **Fibromyalgia**

Cody Schmidhans

## **BIOL 6 – Introductory Microbiology (Secondary Research)**

Prof. Ralph Robinson

### **African trypanosomiasis**

Miriam Juarez Negrete

### **Coccidiomycosis**

Yolanda Rocha

### **Creutzfeldt-Jakob Disease**

Carmen Ramirez

### **Ebola Hemorrhagic Fever**

Cynthia Kouao

### **Kuru, "The Laughing Sickness"**

Paige Nguyen

### **SARS**

Kris Paiboonsriwattana

## **ETHN 6 – History of Race and Ethnicity in America (Secondary Research)**

Prof. Melissa Moreno

### **D-Q University, What Happened?**

Gabriela Rodriguez, Jennifer Bocanegra

### **Representation of UC Davis Pepper spray incident before and after the settlement**

Marissa Espino, Tristan Grooman, Diego Barajas, Ahiram Triana, Ferny Saavedra

### **Media Representation on the 1983 Murder of Thony Hy Huynh**

Daniela Chavez, Alexis Olmedo

### **National and Local Reporting on Anti-Semitism on College Campuses**

Shelby Witten

### **One Health Center**

Crystal Godoy

### **The Bracero Program**

Ron Hayes, Edgar Sanchez, Tristan Williams

### **UC Davis Pepper Spray**

Valeria Salcedo, Isabel Barba

### **UC Davis Pepper Spray Incident**

Nayeli Hernandez, Amy stone, Krystal Chavez, Adrian Munoz

### **UC Davis Pepper Spray Incident of 2011**

Julia Cote

### **Who was here? Understanding Yolo county's changing racial demographics**

Shabnum Nowreen, Emily Henderson, Alexis Savala

## **SOCIL 2 – Social Problems (Secondary Research)**

Prof. Nili Kirschner

### **A Sociological Perspective on Education**

Maria Isabel Romo, Jenifer Kuznik, Maria Ruiz, Linh Van, Sydney Hill, Emma Leahy

### **Healthcare as a Social Problem**

Lizette Valdovinos, Jonathan Thompson, Nuria MoranAlonso

### **Prison Reform**

Diana Salazar, Liza Solano, Maya Valenzuela, Nim Sohail, Kevin Chavez

**The 10<sup>th</sup> Annual Student Research Symposium is dedicated to the memory of Angela Cannon (1981-2019), shown here presenting her research at the 2013 symposium.**

Angela graduated from WCC and UC Davis with degrees in sociology, and was pursuing her master's in social work at Chico State. Angela was dedicated to making the world a better place, and serves as an inspiration to all who had the privilege of knowing her.



*With thanks for the additional support provided by:*

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WCC Student Success Center & Makerspace

For additional information about the student research symposium,  
contact Professor Nili Kirschner (nili.kirschner@yccd.edu)  
or visit <https://wcc.yccd.edu/campus/symposium/>