

## **Awards for 27<sup>th</sup> Annual Student Research Conference**

**You are ALL WINNERS! But these are the CA\$H winners.**

### **Senior Capstone Symposium**

1st – Katie Bunselmeyer

Variables Affecting the Stability of Secretory IgA Upon Exposure to Simulated Intestinal Conditions

Faculty Sponsor: David Volkin (University of Kansas); Department: Chemistry and Physics; Major: Chemistry: ACS; Chemistry: Biochemistry; Minor: Biology (Biology)

2nd – Morgan Tackett

Analysis of the Melanin Biosynthetic Pathway and Oculocutaneous Albinism

Faculty Sponsor: Jim McGill; Department: Biology; Major: Biology: Microbiology, Cellular and Molecular, Biotechnology; Minor: Chemistry (Chemistry and Physics)

3rd – Roxanna Villasenor

Language Attitudes of Heritage Speakers

Faculty Sponsor: Doc Billingsley; Department: Communication Studies and Modern Languages; History and Anthropology; Major: Global Cultures and Languages: Foreign Language; Anthropology; Minor: Anthropology; Spanish (Communication Studies and Modern Languages; History and Anthropology)

### **Undergraduate Oral Presentation**

1st – Grace Boyum

Genetic Background Effects on Cell Response to DNA Damage

Faculty Sponsor: Rebecca Kurzhals; Department: Biology; Communication Studies and Modern Languages; Major: Environmental Science: Biology; Communication Studies; Minor: Writing (English)

2nd – Tyler Howard

Numerical Analysis of Putting on a Predefined Surface

Faculty Sponsors: Margaret Hill; Jonathan Kessler; Department: Engineering and Technology; Major: Engineering Physics: Mechanical Applications; Minor: Mathematics (Mathematics)

3rd – Zachary Mitchell

In the Kitchen or in the Town Square? Women and the French Revolution

Faculty Sponsor: David Cameron; Department: History and Anthropology; Major: History; Minor: Global Studies (History and Anthropology)

### **Undergraduate Poster Presentation**

1st – Emily Bergmann

Gender Bias at the Local Level: Are Women More Likely to be on School Boards Than City Councils?

Faculty Sponsor: Jason Sides; Department: Chemistry and Physics; Major: Chemistry: Forensic Chemistry; Minor: Political Science (Political Science, Philosophy, and Religion); Psychology (Psychology and Counseling)

2nd – Sophie Atterberry, Caleb Ellenburg, Julian Johnson, Alex Major

A Preliminary Method to Protein Replication

Faculty Sponsor: Christina Ragain; Department: Chemistry and Physics; Biology; Major: Chemistry: Forensic Chemistry; Chemistry: BA; Biology: Biomedical Sciences; Chemistry: Biochemistry; Chemistry: Forensic Chemistry; Minor: Anthropology (History and Anthropology)

3rd – Habeeb Al-Mashala, Brendan MacAinsh

Order Versus Disorder in 1,2,3- and 1,2,6- Trimethylpyridinium Chloro Cuprate (II) Salts

Faculty Sponsor: Marcus Bond; Department: Chemistry and Physics; Major: Chemistry: ACS; Chemistry: ACS; Minor: Physics (Chemistry and Physics); Physics (Chemistry and Physics)

### **Graduate Oral Presentation**

1st – Mai Campbell-Nowlin

Reasons for Withdrawal and Continuation in Youth Sports

Faculty Sponsor: Jeremy Heider; Department: Psychology and Counseling; Major: Industrial/Organizational Psychology

2nd – Molly Brakhane

Cell Death After Telomere Loss

Faculty Sponsor: Rebeccah Kurzhals; Department: Biology; Major: Biology

3rd – Brigid Toney, Lauren Waldrop

The Depictions of "Terrorists" in Major Motion Pictures

Faculty Sponsor: Raleigh Blasdel; Department: Criminal Justice, Social Work, and Sociology; History and Anthropology; Major: Criminal Justice; Global Cultures and Languages: Anthropology; Criminal Justice

### **Graduate Poster Presentation**

1st – Sourav Chakraborty, Htet Linn

Microbial Growth Response to Highly Water Disposable Boron Nitride Nanotube

Faculty Sponsor: Santaneel Ghosh; Department: Biology; Chemistry and Physics Major: Environmental Science; Biology: Biomedical Sciences; Medical Laboratory Science; Pre-Medicine; Minor: Mathematics (Mathematics)

2nd – Laura Bauman

Weight Set-Point Theory: Is One Truly Capable of Controlling Their Weight?

Faculty Sponsor: Melissa Odegard-Koester; Department: Psychology and Counseling; Major: Mental Health Counseling

3rd – Sultan Al Nasser

Integrating a Vision System to a Robot

Faculty Sponsor: Md. Rasheduzzaman; Department: Engineering and Technology; Major: Technology Management: Manufacturing Systems