

# 2015 CURC Winners

## Service Learning Posters

*2nd Place*

**Theresa Anderson**

*Reducing the Risk of Early Onset Type II Diabetes Through Hands-On Education*

**College:** College of Veterinary Medicine and Biomedical Sciences

**Advisor:** Tod Clapp, James Graham

*3rd Place*

**Katherine Dirsmith**

*Enslaved: A Modern-Day Slavery Simulation*

**College:** College of Veterinary Medicine and Biomedical Sciences

**Advisor:** N/A

## Research Posters

### *Highest Honors*

**Mitchell Bordelon**

*Helical relief of the geometrically-frustrated magnetic Fe<sub>3</sub>O<sub>4</sub> lattice*

**College:** College of Natural Sciences

**Advisors:** James Neilson and Kate Ross

**Christine Carnicello**

*The Role of Autophagy Inhibition in Canine Osteosarcoma Cancer*

**College:** College of Veterinary Medicine and Sciences

**Advisor:** Daniel Gustafson

**Lindsey Jankowski**

*Ipod as the Next Clinical Diagnostic Tool: A Summary of Sit to Stand Data*

**College:** College of Health and Human Sciences

**Advisor:** Brian Tracy

**Dillon Jarrell**

*Obesity due to type-2 diabetes accelerates arterial stiffening in male mice*

**College:** Engineering

**Advisors:** Christopher Gentile, Kimberly Cox-York and Micah Battson

**Meredith Lewis**

*Evaluation of Photographic Identification of Boreal Toads*

**College:** Warner College of Natural Resources

**Advisor:** Larissa Bailey

**Anna Quist**

*Bait preferences of captive bighorn sheep for distribution of an oral vaccine*

**College:** Warner College of Natural Resources

**Advisor:** N/A

**Dominique Ramirez**

*Biochemical Approaches to Clarify the Role of K63-Linked Polyubiquitin in the Regulation of Autophagosome Biogenesis*

**College:** College of Natural Sciences

**Advisors:** Robert Cohen, Tingting Yao, Francesco Scavone

**Andrew Wilson**

*The Peripheral Retina Dominates Large Field Hue Perception*

**College:** College of Natural Sciences

**Advisors:** Vicki Volbrecht and Nate Douda

**High Honors**

**Galya Fedderly**

*Adaptation of Pseudomonas aeruginosa during chronic infection*

**College:** College of Natural Sciences

**Advisor:** Brad Borlee

**Lukas Foster**

*Novel diindolylmethane analog enhances nuclear receptor, Nur77, to down regulate neuroinflammatory gene expression in astrocytes*

**College:** College of Veterinary Medicine and Sciences

**Advisor:** Katriana Popichak and Ron Tjalkens

**Susannah Miller**

*Changing Acidity of Protonated Aniline near Oil-Water Interfaces*

**College:** College of Natural Sciences

**Advisor:** Debbie Crans

**Ashley Packard**

*Steatite Vessels in Northern Colorado and the Concept of Prehistoric Borders*

**College:** College of Liberal Arts

**Advisor:** Jason LaBelle

**Lindsey Paricio**

*Cell Growth and Bacteria Kill Rates of Plasma Treated Nitric Oxide Releasing Polymer Films*

**College:** College of Natural Sciences

**Advisor:** Melissa Reynolds

**Rachel Wolfe**

*Community Readiness Model for Improvement of Sex Education and Health Class Approaches for HIV/AIDS Prevention Strategies to Reduce High School Education Disparities in Weld County*

**College:** College of Natural Sciences

**Advisors:** Lorann Stallones and Elizabeth Ryan

**College Honors**

**Kasey Jones**

*College Men and Organized Exercise Classes: Developing a Better Understanding*

**College:** College of Health and Human Sciences

**Advisors:** Brian Butki and Judy Muenchow

**Jacob Moore**

*The Impact of SHOREline*

**College:** College of Liberal Arts

**Advisor:** Lori Peek

**Lindsay Benage**

*Mechanism of impaired fatty acid oxidation in tafazzin deficient cardiac mitochondria*

**College:** College of Natural Sciences

**Advisor:** Adam Chicco

**Matt Donovan**

*In-silico isoform analysis of the cognate ecdysteroid receptor in the blackback land crab, *Gecarcinus lateralis**

**College:** College of Natural Sciences

**Advisors:** Sunetra Das and Donald Mykles

**Brigitte Gaudreault**

*A molt inhibiting hormone-like factor is expressed in limb regenerates of the blackback land crab, *Gecarcinus lateralis**

**College:** College of Natural Sciences

**Advisor:** Donald Mykles and Natalie Pitts

**Samantha Ingram**

*The Impact of Sensation Seeking and the Big 5 Personality Traits on Relationship Satisfaction*

**College:** College of Natural Sciences

**Advisor:** Brad Conner

**Dawnetta McGowan**

*Motor Proteins and Anaphase Elongation Rates in Budding Yeast*

**College:** College of Natural Sciences

**Advisor:** Steven Markus

**Katherine Redd**

*The effects of the RK/KK mutation in synaptotagmin on synaptic transmission in vivo*

**College:** College of Natural Sciences

**Advisors:** Noreen Reist and Mallory Shields

**Katarina Werst and Nicole Segaline**

*Does asymmetry make a difference in membrane interactions of large vanadium insulin enhancing compounds?*

**College:** College of Natural Sciences

**Advisor:** Debbie Crans

**April Freeman**

*Researching, Constructing, and Presenting Material for Neuroanatomy Educational Outreach*

**College:** College of Veterinary Medicine and Biomedical Sciences

**Advisor:** Tod Clapp

**John Shannon**

*Investigating Antigen-Specific T Cell Responses to Influenza Infection*

**College:** College of Veterinary Medicine and Biomedical Sciences

**Advisor:** Paul G. Thomas

**Stephanie Mills**

*Effects of ACOT-1 on unsaturated fatty acid biosynthesis and dengue virus life cycle*

**College:** College of Veterinary Medicine and Biomedical Sciences

**Advisors:** Rushika Perera and Rebekah C. Gullberg