

# The Herald Journal

## USU undergraduates awarded CIBR Grants

By USU Media Relations

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Utah State University's Center for Integrated BioSystems has awarded grants to eight undergraduate students from various departments in the Colleges of Agriculture, Engineering, Natural Resources and Science.

"This is a unique opportunity for students at USU to interact with other students across disciplines to better understand research activities on campus," said CIB Associate Director Kenneth White. "The goal is to foster in these students the potential for interdisciplinary research and provide them with unique educational opportunities."

The Undergraduate Center for Integrated BioSystems Research (uCIBR) Student program provides support for research and travel. In addition to financial support, students meet monthly to present their research and attend workshops to prepare them for today's competitive research environment.

These students were selected from a competitive field and will join other graduate and undergraduate students who receive support for their research from the Center for Integrated BioSystems. The students, departments, mentors and their projects, are listed below:

- Sara Huefner, Chemistry and Biochemistry, with Dr. Alvan Hengge, in support of her presentation at the American Chemical Society's 236th National Meeting in Philadelphia, Pa., with a poster titled: "Protein-Tyrosine Phosphatases: Comparing the Effects of Mutation on Protein Conformation and Catalysis."
- Jake Jones, Animal, Dairy and Veterinary Sciences, with Dr. Lee Rickords, in support of his undergraduate research titled "Metabolic Differences between Murine Inner Cell Mass Cells and Murine Embryonic Stem Cells Grown in the Presence of Leukemia Inhibitory Factor."
- Hyrum Gillespie, Plants, Soils and Climate, with Dr. Yajun Wu, in support of his undergraduate research titled "Developing Tools for Gene Function Analysis in Crops."
- Richard Gardner, Wildland Resources; Conservation & Restoration Ecology, with Dr. Karen Mock, in support of his undergraduate research titled "Genetic and Phytochemical Associations in Aspen."
- C. Luke Peterson, Biology, with Dr. Joseph Li, in support of his undergraduate research titled "Affects of Toll-Like Receptor Inhibition in A549 Cells."
- Mitchell Bassett, Animal, Dairy and Veterinary Sciences, with Dr. Ken White, in support of his undergraduate research titled "Characterizing Histone Modifications to the Bovine Oct4 Gene in Early Embryonic Development Using Carrier Chromatin Immunoprecipitation."
- Leslie Munteer, Biological & Irrigation Engineering, with Dr. Anhong Zhou, in support of his undergraduate research titled "Modeling of Chemotaxis of Pseudomonas putida Utilizing Quartz Crystal Microbalance (QCM) Sensors and Chemoattractants."
- Hunter Timbimboo, Nutrition and Food Sciences, with Dr. Korry Hintze, in support of his undergraduate research titled "Effect of Milk Fat Globular Membrane on Epithelial Integrity and Gene Expression."