

Media Relations

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STUDENTS FROM K-STATE TAKING PART IN CAPITOL GRADUATE RESEARCH SUMMIT MARCH 13 AT KANSAS STATEHOUSE

MANHATTAN -- The annual Capitol Graduate Research Summit will be Thursday, March 13, at the Kansas Statehouse in Topeka. The summit features research being conducted by graduate students at Kansas State University, University of Kansas, KU Medical Center and Wichita State University.

The summit begins at 9:30 a.m. and posters will be on display in the second floor rotunda of the Statehouse until 1:30 p.m.

The summit is an opportunity for legislators and the general public to find out about research projects conducted in Kansas and that are relevant to issues facing the state. Lawmakers and the public also will get the chance to interact with student researchers and ask questions about their work.

This year's summit showcases 32 student researchers, including 10 graduate students from K-State, eight from KU, four from the KU Medical Center and 10 from Wichita State.

The Kansas Bioscience Organization, also known as KansasBio, will provide awards for the top posters from each participating university.

K-State research poster topics being presented at the summit include selective chemotherapy agents, the demographics of aging populations, the effect of active games on children's physical activity and psychosocial response, the development of hydrogen and methane generating catalysts, the status of the state's prairie chicken populations, evaluating feedstock effect on cattle, evaluating a summer writing program, a new system for drug delivery, blocking the formation of Alzheimer fibrils, and molecular mapping in wheat.

K-State graduate students selected to participate and their projects include:

Erin Jurand, doctoral student in curriculum and instruction, **Fort Riley**, "Igniting Words by the Campfire: A Summer School Literacy Program."

From **Manhattan**: Matthew Basel, doctoral student in chemistry, "Modified Mycobacterial Porins as Selective Chemotherapy Agents"; Benjamin Bolender, doctoral student in sociology, "Into the Sunset: Aging in Rural Kansas Counties."

From **Manhattan**, continued: Megan Jacob, doctoral student in pathobiology, "Feeding Dried Distiller's Grains Increases Fecal Shedding of Escherichia Coli O157 in Experimentally Challenged Calves"; Arbin Rajbanshi, doctoral student in chemistry, "Resorcinol Based Molecular Capsules for Drug Delivery"; Sandeep Rana, doctoral student in chemistry, "Untangling Alzheimer's: Synthesis and Biological Studies of Novel Pyrone Inhibitors"; Pubudu Siyambalagoda Gamage, doctoral student in chemistry, "Application of Ruthenium(II) Quaterpyridinium Complexes as Sensitizer-Relay-Assemblies for the Generation of Hydrogen and Methane"; and Shilpa Sood, doctoral student in genetics, "Molecular Mapping of a Threshability Gene in Wheat."

Andrew Gregory, doctoral student in biology, **Wamego**, "The Link Between Landscape Structure and Genetic Structure in Kansas Greater Prairie Chicken Populations."

Karla Bruggeman, master's student in kinesiology, **St. Henry, Ohio**, "Effects of Physically Active Games on Physical Activity and Psychosocial Responses in Children "

Summit organizers are leaders in the graduate student organizations at K-State, KU and Wichita State University. More information is available at <http://www.KansasResearch.org>

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