

**Capitol Graduate Research Summit participants and award winners**  
**Thursday, February 14th, 2013 at the State Capitol Building in Topeka, KS**

The following graduate students were selected as the top 9 presenters from Research and the State (held on November 6, 2012). These students presented their research posters at the 10<sup>th</sup> annual Capitol Graduate Research Summit (CGRS) in Topeka on February 14, 2013. The CGRS is an annual showcase of research conducted by graduate students from Kansas State University, Wichita State University, the University of Kansas, and the University of Kansas Medical Center. Participants have the opportunity to present their research posters to state legislators and the Board of Regents. At the CGRS, two judges (one from academics and one from industry) selected the top two K-State presenters to receive a \$500 scholarship sponsored by KansasBio.

\*Recipient of \$500 scholarship from KansasBio

<b>Name</b>	<b>Degree Program</b>	<b>Faculty Advisor</b>	<b>Presentation Title</b>
Feraidon Ataie*	PhD in Civil Engineering	Kyle Riding	UTILIZATION OF HIGH LIGNIN RESIDUE ASH (HLRA) IN CONCRETE MATERIALS
Katie Burke	PhD Environmental Design and Planning	Tim Keane	MEASURING GULLY EROSION IN TWO DISTRIBUTED KANSAS LANDSCAPES
Kelly Foster*	MS in Biomedical Sciences	Dan Thompson	BOVINE VIRAL DIARRHEA VIRUS TRANSMISSION FROM PERSISTENTLY INFECTED CATTLE TO NON-PERSISTENTLY INFECTED CATTLE WHEN COMMINGLED: AN EVALUATION OF SERUM NEUTRALIZING ANTIBODY TITERS
Michael Gibson	MS in Grain Science	Sajid Alavi	PHYSICAL AND PROCESSING DIFFERENCES BETWEEN BAKED AND EXTRUDED PET FOODS
Michael Joseph	PhD in Grain Science	Sajid Alavi	NOVEL DELIVERY MECHANISM FOR NUTRITION USING SORGHUM BASED PRE-COOKED "BEANS"
Marcie Lechtenberg	PhD in Marriage and Family Therapy	Sandra Stith	ASSESSING THE ADOLESCENT EXPERIENCE OF MINDFULNESS
Tanner Miller	MS in Biomedical Sciences	Dan Thompson	COMPARISON OF GAMITHROMYCIN, TILMICOSIN AND TULATHROMYCIN: METAPHYLACTIC TREATMENTS IN HIGH RISK CALVES FOR BRD
Vahid Rahmani	PhD in Biological and Agricultural Engineering	Stacy Hutchinson	ABRUPT RAINFALL CHANGE DETECTION IN KANSAS
Tera Rooney Barnhardt	MS in Biomedical Sciences	Dan Thompson	IMPLEMENTATION OF INDUSTRY-ORIENTED ANIMAL WELFARE AND QUALITY ASSURANCE ASSESSMENT TOOLS IN COMMERCIAL CATTLE FEEDING OPERATIONS