

Capitol Graduate Research Summit participants and award winners
Thursday, February 13th, 2014 at the State Capitol Building in Topeka, KS

The following graduate students were selected as the top 10 presenters from Research and the State (held on October 29, 2013). These students presented their research posters at the 11th annual Capitol Graduate Research Summit (CGRS) in Topeka on February 13, 2014. 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. One scholarship was sponsored by BioKansas, and the second scholarship was sponsored by the award winner's home institution.

*Recipient of \$500 scholarship from BioKansas

**Recipient of \$500 scholarship from Kansas State University

Name	Degree Program	Faculty Advisor	Presentation Title
Megan Brown	Agronomy, MS	Peter Tomlinson	GREENHOUSE GAS FOOTPRINTS OF TWO NON-LEGUME COVER CROPS FOLLOWING WINTER WHEAT
Bryan Cafferky	Marriage and Family Therapy, PhD	Jared Anderson	A META-ANALYSIS OF RELATIONSHIP FACTORS IMPACTING COUPLES WITH IPV
Joseph Chapes	Mass Communications, MS	Nancy Muturi	ENCOURAGING THE ADOPTION OF <i>E. COLI</i> CONTROL AND PREVENTION STRATEGIES: ANALYSIS OF AN ONLINE TRAINING INTERVENTION
Fariba Fateh	Electrical Engineering, PhD	Warren White	A NONLINEAR CONTROL SCHEME FOR EXTREMUM POWER SEEKING IN WIND TURBINE ENERGY CONVERSION SYSTEMS
Tim Hoffman	Electrical Engineering, PhD	James Edgar	GROWTH OF HBN USING METALLIC BORON: ISOTOPICALLY ENRICHED 10BN FOR NEUTRON DETECTION
Joseph Holste**	Civil Engineering, PhD	Robert Perterman	TRANSFER-LENGTH MEASUREMENTS ON CONCRETE RAILROAD TIES FABRICATED WITH 15 DIFFERENT PRESTRESSING REINFORCEMENTS
Keyla Lopez	Animal Sciences, PhD	Kelly Getty	VALIDATION OF WASHING TREATMENTS TO REDUCE PATHOGENS IN FRESH PRODUCE
Andrew McGowan	Agronomy, PhD	Charles Rice	IMPACT OF NITROGEN RATE ON NITROUS OXIDE EMISSIONS AND LIFE CYCLE GREENHOUSE GAS EMISSIONS IN SWITCHGRASS-BASED CELLULOSIC ETHANOL
Mohammadreza Mirzahosseini	Civil Engineering, PhD	Kyle Riding	STUDY OF THE FEASIBILITY OF USING COMBINED GLASS PARTICLE SIZES AND TYPES IN CONCRETE AS PARTIAL CEMENT REPLACEMENT
Lance Noll*	Veterinary Biomedical Science, MS	T.G. Nagarja	A FOUR PLEX REAL-TIME PCR ASSAY FOR THE DETECTION AND QUANTIFICATION OF <i>ESCHERICHIA COLI</i> O157 IN CATTLE FECES