

Capitol Graduate Research Summit participants and award winners
Thursday, February 16th, 2012 at the State Docking Building in Topeka, KS

The following graduate students were selected as the top 10 presenters from Research and the State (held on October 31, 2011). These students presented their research posters at the 9th annual Capitol Graduate Research Summit (CGRS) in Topeka on February 16, 2012. 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

Name	Department	Faculty Advisor	Presentation Title
Miguel Arango	Agronomy	Charles Rice	N2O-N EMISSIONS AND THE RELATIONSHIP WITH DENITRIFYING ENZYME ACTIVITY IN CORN UNDER DIFFERENT MANAGEMENT STRATEGIES
Vuyiswa Bushula	Plant Pathology	Christopher Little	GENETIC DIVERSITY IN <i>FUSARIUM THAPSINUM</i> ISOLATES FROM KANSAS
Ximena Cibils Stewart	Entomology	Brian McCornack	WITHIN-PLANT DISTRIBUTION IMPACTS CABBAGE APHID (<i>BREVICORYNE BRASSICAE</i>) REPRODUCTIVE POTENTIAL ON WINTER CANOLA
Steven Klankowski	Chemistry	Jun Li	COAXIAL SILICON COATING ON VERTICALLY ALIGNED CARBON NANOFIBERS FOR HIGH-PERFORMANCE LITHIUM-ION BATTERIES
Jingqun Ma	Diagnostic Medicine & Pathobiology	Juergen Richt	EFFECT OF ALFERON N INJECTION (INTERFERON ALPHA) ON INFLUENZA A VIRUS REPLICATION <i>IN VITRO</i>
Ayomi Perera*	Chemistry	Stefan Bossmann	DESIGN OF A MYCOBACTERIAL PORIN BASED DYE SENSITIZED SOLAR CELL
Stephanie Shishido	Diagnostic Medicine & Pathobiology	Thu Annelise Nguyen	GAP JUNCTION ENHANCER INCREASES EFFICACY OF CISPLATIN TO ATTENUATE MAMMARY TUMOR GROWTH
Wilson Smith*	Civil Engineering	Dunja Peric	FEASIBILITY OF USING LIGNIN- A PLANT DERIVED MATERIAL FOR INCREASED SUSTAINABILITY OF RURAL TRANSPORTATION LIFELINES
Kyle Steele	Animal Sciences & Industry	Elizabeth Boyle	SHELF LIFE OF FIVE MEAT PRODUCTS DISPLAYED UNDER LIGHT EMITTING DIODE OR FLUORESCENT LIGHTING
Theresa Young	History	Bonnie Lynn-Sherow	LIVING TOOLS: TREE USE IN THE NINETEENTH CENTURY