

**K-State Research Forum award winners
Wednesday, March 8, 2012**

The following students were selected as the top presenters in the various presentation sessions of the 17th annual K-State Research Forum (KRF). For each presentation session listed below, the first place winner received a \$100 gift card to the K-State Student Union, and his or her name is engraved on a perpetual plaque to be displayed in the student's respective department until the next year's K-State Research Forum. Second and third place winners received gift cards to the K-State Student Union in the amounts of \$75 and \$50, respectively.

Undergraduate Oral Session

Due to a small number of participants, only the first place presenter received an award in this session this year.

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Kristina Bigelow	Biology	Thu Annelise Nguyen	GAP JUNCTIONS WITH SUBSTITUTED QUINOLINES IN COLON CANCER CELLS

Undergraduate Poster Session

Due to a small number of participants, only the first place presenter received an award in this session this year.

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Johanna Diaz	Biology	Luciana Bergamasco	DRUG EFFECTS ON BEHAVIOR AND CORTISOL LEVELS DURING CASTRATION IN CALVES

Agricultural Sciences Oral Session

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Amy Willmott	Entomology	Raymond Cloyd & Kun Yan Zhu	EFFICACY OF SYSTEMIC INSECTICIDES AGAINST THE CITRUS MEALYBUG, PLANOCOCCUS CITRI (HEMIPTERA: PSEUDOCOCCIDAE)
2 nd	Lauren Brewer	Grain Science & Industry	Yong-Cheng Shi	PHENOLIC AND ANTIOXIDANT CONTRIBUTION OF WHEAT FRACTIONS AND MILL STREAMS PRODUCED FROM THE SAME KERNELS
3 rd	Qingyu Wu	Horticulture	Sunghun Park	ECTOPIC EXPRESSION OF ARABIDOPSIS GLUTAREDOXIN ATGRXS17 ENHANCES TOLERANCE TO MULTIPLE ABIOTIC STRESSES IN TOMATO

Biological Sciences Oral Session

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Alina De La Mota-Peynado	Biology	Jeroen Roelofs	ECM29 ACTS AS A NEGATIVE REGULATOR OF THE PROTEASOME
2 nd	Allison Bryan	Biomedical Sciences Veterinary Medicine	Elizabeth Davis	ECM29 ACTS AS A NEGATIVE REGULATOR OF THE PROTEASOME
3 rd	Sriram Varaham	Microbiology	Lynn Hancock	AN ABC TRANSPORTER IS REQUIRED FOR SECRETION OF PEPTIDE SEX PHEROMONES IN ENTEROCOCCUS FAECALIS

Engineering, Math, and Physical Sciences Oral Session

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Casey Bulen	Geology	Matthew Brueseke	THE ROLE OF BASALTIC MAGMATISM IN THE EVOLUTION OF THE CAMBRIAN SOUTHERN OKLAHOMA AULACOGEN: GEOCHEMICAL AND ISOTOPIC CONSTRAINTS ON THE MAFIC ROCKS IN THE ARBUCKLE MOUNTAINS, OK
2 nd	Lateef Syed	Chemistry	Jun Li	AN ULTRASENSITIVE CHEMILUMINESCENCE METHOD FOR TRACE BLOOD DETECTION USING LUMINOL-LABELED GOLD NANOPARTICLES
3 rd	Chad Hobson	Geology	Saugata Datta	CHEMICAL HYDROGEOLOGIC INVESTIGATION OF TUNGSTEN IN GROUNDWATERS - AN EMERGING CONTAMINANT

Social Sciences, Humanities, and Education Oral Session

Due to a small number of participants, only the first place presenter received an award in this session this year.

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Kerri Day Keller	Special Education, Counseling and Student Affairs	Christy Craft	THE ESSENCE AND OUTCOMES OF EFFECTIVE INTERNSHIP LEARNING EXPERIENCES

Poster Session

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Thais Albuquerque	Entomology	Ludek Zurek	MICROBIAL ECOLOGY OF STABLE FLIES: EFFECT OF BACTERIAL COMMUNITY OF AGING HORSE MANURE ON STABLE FLY OVIPOSITION AND LARVAL DEVELOPMENT
2 nd	Sandra Contreras	Agricultural Economics	Sean Fox	DESCRIPTIVE ANALYSIS OF MEAT RECALLS FROM 1982-2009 IN THE US
3 rd	Nathan Keep	Agronomy	William Schapaugh	CHARACTERIZATION OF PHYSIOLOGICAL PARAMETERS IN SOYBEAN WITH GENETIC IMPROVEMENT IN SEED YIELD

Interdisciplinary Research Oral Session

This year, in addition to the presentation sessions and awards listed above, the K-State chapter of Sigma Xi, The Scientific Research Association, sponsored an award for the graduate student research that best displayed the integration of knowledge and expertise from diverse disciplines. The award recipient received a \$100 award and is eligible for Sigma Xi's student travel award if the research will be presented at a professional meeting. The presenter will also be recognized at the annual Sigma Xi awards banquet in April. The presenter's name and department are engraved on a perpetual plaque to be displayed in the student's department until the next year's K-State Research Forum.

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Vahid Rahmani	Biological & Agricultural Engineering	Stacy Hutchinson	INTENSE RAINFALL EVENTS DISTRIBUTION PATTERN IN THE STATE OF KANSAS