

K-State Research Forum award winners
Friday, April 2, 2010

The following students were selected as the top presenters in the various presentation sessions of the 15th 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

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Clay King	Anatomy & Physiology	Masaaki Tamura	HUMAN UMBILICAL CORD MATRIX STEM CELLS TRANSFECTED WITH AN INTERFERON- α GENE MARKEDLY ATTENUATED THE GROWTH OF BRONCHIOLOALVEOLAR CARCINOMA XENOGRAFTS IN MICE
2 nd	Claudia Ganser	Biology	Christer Aakeroy	A PEEK INTO SUPRAMOLECULAR DATING
3 rd	Adam Siders	Biology	Samantha Wisely	ESTIMATING POPULATION SIZE OF WHITE TAILED DEER (ODOCOILEUS VIRGINIANUS) ON THE KONZA PRAIRIE BIOLOGICAL STATION

Agricultural Sciences Oral Session

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Lauren Brewer	Grain Science & Industry	Yong-Cheng Shi	MECHANISM AND IN VITRO TEST METHOD OF DIGESTION OF STARCH GRANULES
2 nd	Monika Brijwani	Grain Science & Industry	Bhadriraju Subramanyam	EFFICACY OF STRUCTURAL HEAT TREATMENTS AGAINST TRIBOLIUM CASTANEUM (COLEOPTERA: TENEBRIONIDAE) LIFE STAGES
3 rd	Paolo Sotelo	Entomology	Michael Smith	INTERACTIONS AMONG BIOLOGICAL CONTROL, CULTURAL CONTROL, AND BARLEY RESISTANCE TO THE RUSSIAN WHEAT APHID, DIURAPHIS NOXIA (KURDJUMOV) IN COLORADO, KANSAS AND NEBRASKA

Biological Sciences Oral Session

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Vijayalakshmi Iyer	Biology	Lynn Hancock	THE ROLE OF THE ALTERNATE SIGMA FACTOR (RPON) IN THE BIOLOGY OF ENTEROCOCCUS FAECALIS.
2 nd	Emily Archer Slone	Anatomy & Physiology	Sherry Fleming	ISCHEMIA/REPERFUSION-INDUCED INTESTINAL LIPID ALTERATIONS OCCUR PRIOR TO ANTIBODY-INDUCED PROSTAGLANDIN E2 PRODUCTION
3 rd	Erica Cain	Biology	Alexander Beeser	INVESTIGATING THE ONCOGENIC POTENTIAL OF THE DUAL SPECIFICITY PHOSPHATASE 12

Engineering, Math, and Physical Sciences Oral Session

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Thilani Smarakoon	Chemistry	Stefan Bossman	EARLY DETECTION OF CANCER THROUGH MATRIX METALLOPROTEINASES (MMP'S) AND SERINE PROTEASES
2 nd	Andrew Neal	Geology	Saugata Datta	GEOCHEMISTRY OF ARSENIC HOTSPOTS AND SURROUNDING AREAS IN MURSHIDABAD, WEST BENGAL, INDIA
3 rd	Fan Zhang	Chemical Engineering	Mary Rezac	CHEMICALLY STABLE POLYMERIC MEMBRANE REACTORS FOR SELECTIVE REMOVAL OF METHANOL FROM TRANSESTERIFICATION REACTIONS

Social Sciences, Humanities, and Education Oral Session

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Cosette Armstrong	Apparel, Textiles, & Interior Design	Melody LeHew	EVALUATING SYSTEMS THINKING SKILLS AMONG APPAREL AND TEXTILES UNDERGRADUATES
2 nd	Celeste Cook	Apparel, Textiles, & Interior Design	Joy Kozar	THE ROLE OF SOURCING AGENTS IN GLOBAL APPAREL SUPPLY CHAINS: AN EXPLORATORY STUDY
3 rd	Megan Miller	Psychology	Laura Brannon	REDUCING BINGE DRINKING AMONG COLLEGE STUDENTS: COMPARING THE EFFECTIVENESS OF A SOCIAL NORMS AND SELF-SCHEMA MATCHED MESSAGE

Poster Session

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Faraj Hijaz	Food Science	J. Scott Smith	A RAPID DIRECT SOLVENT EXTRACTION METHOD FOR THE EXTRACTION OF 2-DODECYLCYCLOBUTANONE FROM IRRADIATED GROUND BEEF PATTIES USING ACETONITRILE
2 nd	Adrian Carmichael	Physics	Sanjay Rebello	COMPARING THE EFFECTS OF PHYSICAL AND VIRTUAL EXPERIMENTATION SEQUENCE ON STUDENTS' UNDERSTANDING OF MECHANICS
3 rd	Joshua Winter	Architecture	Susanne Siepl-Coates	EFFECTS OF THE BUILT ENVIRONMENT ON MOBILITY FOR THE DUAL-SENSORY IMPAIRED