

K-State Research Forum award winners
Wednesday, March 27, 2013

The following students were selected as the top presenters in the various presentation sessions of the 18th annual K-State Research Forum (KRF). For each presentation session listed below, the first place winner received a \$500 scholarship award, and his or her name was 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 scholarships in the amounts of \$250 and \$125, respectively. Unless otherwise stated, awards were funded by the Graduate Student Council with funds provided by the Kansas State University President and Provost offices.

Agricultural Sciences Oral Session

The following awards were funded by Dow AgroSciences

Place	Name	Degree Program	Faculty Advisor	Presentation Title
1 st	Kindsey Myers	Agronomy, MS	Mithila Jugulam	Inheritance of glyphosate resistance in kochia (kochia scoparia)
2 nd	Ximena Cibils Stewart	Entomology, MS	Brian McCornack	Effect of canopy height and prey location on lady beetle (coleoptera: coccinellidae) captures in soybean
3 rd	Brent Christenson	Agronomy, MS	William Schapaugh	Characterization of soybean seed yield through precision phenotyping techniques

Biological Sciences Oral Session 1

Place	Name	Degree Program	Faculty Advisor	Presentation Title
1 st	Emily Archer Slone	Biology, PhD	Sherry Fleming	Phospholipid scramblase 1 activity mediates hypoxia-induced phospholipid alterations leading to an inflammatory response in endothelial cells
2 nd	Kai Yuan	Animal Sciences, PhD	Barry Bradford	Effects of inflammatory cytokine administration on production, metabolism, and health in early lactation dairy cows

Biological Sciences Oral Session 2

Place	Name	Degree Program	Faculty Advisor	Presentation Title
1 st	Damien Downes	Plant Pathology, PhD	Richard Todd	Defining the dna recognition site for a fungal transcription factor
2 nd	Sherry Haller	Microbiology, PhD	Stefan Rothenburg	Molecular Mechanisms of Host-Range Genes in Vaccinia Virus

Engineering, Math, and Physical Sciences Oral Session 1

Place	Name	Degree Program	Faculty Advisor	Presentation Title
1 st	Xiaojiao Sun	Chemical Engineering, PhD	Keith Hohn	Single molecule studies of heterogeneous catalysts
2 nd	Chelsea Corkins	Biological & Agricultural Engineering, MS	Stacy Hutchinson	Gully Erosion Assessment and Watershed Rehabilitation on Military Training Lands
3 rd	Rui Zhuang	Computer Sciences, PhD	Scott DeLoach	Investigating the Moving Target Defense for Network Security

Engineering, Math, and Physical Sciences Oral Session 2

Place	Name	Degree Program	Faculty Advisor	Presentation Title
1 st	Daniel Ramirez-Caro	Geology, MS	Matthew Totten	Rare earth elements (ree) in organic matter as maturation indicators; case study of the woodford shale, north central Oklahoma

Social Sciences, Humanities, and Education Oral Session

Place	Name	Degree Program	Faculty Advisor	Presentation Title
1 st	Taylor Wadian	Psychology, PhD	Mark Barnett	Children's Anticipated Responses to Two Storybook Characters: Evidence for (De)stigmatization by Association
2 nd	Erin Monfort-Nelson	Apparel, Textiles, & Interior Design, MS	Kim Hiller Connell	Socially Responsible Consumer Behavior in Apparel and Textiles: Developing a Conceptual Model to Guide Future Research

Interdisciplinary Research Oral Session

Half of the first place award for this session was funded by the K-State chapter of Sigma Xi, the Scientific Research Association.

Place	Name	Department	Faculty Advisor	Presentation Title
1 st	Vahid Rahmani	Biological & Agricultural Engineering	Stacy Hutchinson	Risk Analysis of the Water Control Structures in Agricultural Fields in Kansas
2 nd	Kevin Rooney	Environmental Design & Planning, PhD	Bob Condia	Perceiving Architecture through Central and Peripheral Vision
3 rd	Sankar Sasidharan	Geology, MS	Saugata Datta	Hydrochemistry and organic matter characterization of As polluted regions, Murshidabad, West Bengal, India

Agricultural Sciences Poster Session

The following awards were funded by Dow AgroSciences

Place	Name	Degree Program	Faculty Advisor	Presentation Title
1 st	Kim Larson	Agronomy, MS	Kraig Roozeboom	Soybean Inoculant and Seed Treatment Interactions
2 nd	Josh Putman	Agronomy, MS	Dallas Peterson	Palmer Amaranth Control in Established Alfalfa under Dryland and Irrigated Conditions
3 rd	Elyse Buckley	Grain Science, MS	Rebecca Miller	Factors in Wheat Affecting Water Absorption Tolerance

Biological Sciences Poster Session

Place	Name	Degree Program	Faculty Advisor	Presentation Title
1 st	Prashant Wani	Biochemistry, PhD	Jeroen Roelofs	Chaperone mediated assembly of the proteasome: constructing the destruction
2 nd	Dinesh Erran	Entomology, PhD	Ludek Zurek	Midgut microbial community plays a significant role in the vector competence of Phlebotomus duboscqi for Leishmania major
3 rd	Naomi Ohta	Biomedical Sciences, MS	Masaaki Tamura	Human umbilical cord matrix derived stem cells control tumor growth by tumor suppressor gene expression

Engineering, Math, and Physical Sciences Poster Session

Place	Name	Degree Program	Faculty Advisor	Presentation Title
1 st	Sean Tomlinson	Chemical Engineering, PhD	Jennifer Anthony	The interactions of the corn protein zein and ionic liquids
2 nd	Kaley Oldani	Civil Engineering, MS	Natalie Mladenov	Tracking the contribution of airborne bacteria to the dissolved organic carbon load in alpine environments

Social Sciences, Humanities, and Education Poster Session

Place	Name	Degree Program	Faculty Advisor	Presentation Title
1 st	Pabodha Galgamuwa	Horticulture, MS	Charles Barden	Assessing the use of fresh fruits, vegetables and other native foods on Indian reservations in Kansas
2 nd	Patricia Barros-Gomes	Marriage and Family Therapy, PhD	Joyce Baptist	'It is six women, but it is their lives, it is their lives': black women's voices about the experience of singlehood
3 rd	Sarah Flynn	Master's of Landscape Architecture	Laurence Clement	A 21st Century Campus Aesthetic

Undergraduate Oral Session

Place	Name	Degree Program	Faculty Advisor	Presentation Title
1 st	Emily Mashie	Animal Sciences	Andrea Sexten Beth Kegley (University of Arkansas)	Effects of feed delivery methods for grazing stocker calves on growth performance, behavior, and labor inputs
2 nd	Terrahn Wall	Biology and Pre-Pharmacy	Masaaki Tamura	Co-treatment with a C1B5 domain peptide and a low dose of gemcitabine caused a strong synergistic inhibition of peritoneal dissemination of pancreatic tumor in mice
3 rd	Kelsie Doty	Apparel and Textile Design	Sherry Haar	Comparison of Aluminum Mordanted and Nonmordanted Wool and Cotton Dyed with Walnut

Undergraduate Poster Session

Place	Name	Degree Program	Faculty Advisor	Presentation Title
1 st	Sofia Sabates	Biology	Loretta Johnson	Phenology and fitness in big bluestem (<i>Andropogon gerardii</i>) ecotypes in great plains reciprocal gardens: the role of site and ecotype
2 nd	Sophia Ford	Geology	Saugata Datta	Empowering local villagers from West Bengal to understand arsenic contamination in drinking water and locate alternative sources
3 rd	Brandon Pfannenstiel	Microbiology	Richard Todd	Genetic analysis of the interaction between the nuclear export sequence of a gata transcription factor and a nuclear exportin