

### Undergraduate Session 1 - 9:00am-10:30am, Big XII Room

Presentation Time	First name	Last name	Academic department	faculty advisor	abstract title
9:00am	Jamie	Ball	Anatomy and Physiology	Masaaki Tamura	Decorin secreted from human umbilical cord matrix stem cells significantly attenuate the growth of human breast cancer cells
9:15am	Stephanie	Jacquez	Anatomy and physiology	Masaaki Tamura	Evaluation of the efficacy of cationic peptide nanoparticle-based therapeutic gene delivery for human lung cancer treatment
9:30am	Jacob	Hull	Anatomy and Physiology	Bruce Schultz	Peroxisome Proliferator Receptor Gamma Agonists Alter Electrolyte Transport Across Porcine Vas Deferens Epithelia
9:45am	Garret	Seiler	Biology	Masaaki Tamura	Identification of molecular mechanisms of PKC/C1B domain peptide-induced growth suppression of human colon cancer in vitro and in vivo
10:00am	Kristina	Bigelow	Biology	Thu Annelise Nguyen	Upregulation of Gap Junctions with Substituted Quinolines in Colon Cancer Cells
10:15am	Lindsey	Worcester	Biology	Carolyn Ferguson	Documentation of cytotype variation in <i>Phlox pilosa</i> L. ssp. <i>pilosa</i> (Polemoniaceae) in the central Great Plains

## Undergraduate Session 2 - 9:00am-10:30am, Flinthills Room

Presentation Time	First name	Last name	Academic department	faculty advisor	abstract title
9:00am	Kerri	Neugebauer	Agronomy	James Stack	A Vegetative Compatibility Analysis of Fusarium Species Associated with Wheat, Corn and Sorghum in Kansas
9:15am	Evgeniy	Shishkin	Chemical Engineering	James Edgar	Synthesis of Zirconium Nitride by Nitridation of Zirconium
9:30am	Baillie	DeHaven	Chemistry	Christer Aakeroy	Phototriggered Release of Agrochemicals
9:45am	Angela	Grommet	Department of Chemistry	Christer Aakeroy	Co-crystallization: a supramolecular instrument for tuning the physical properties of diclofenac
10:00am	Perla	Salazar	Mathematics Department	Marianne Korten	Extinction Times of Solutions to a Degenerate Parabolic Equation
10:15am	Ryan	Fronk	Mechanical & Nuclear Engineering	Douglas McGregor	High Efficiency Dual-Integrated Microstructured Semiconductor Neutron Detector

### Undergraduate Session 3 - 9:30am-11:00am, Sunflower Room

Presentation Time	First name	Last name	Academic department	faculty advisor	abstract title
9:30am	Chelsea	Bird	Kinesiology	Katie Heinrich	Obesity prevalence is lowest among census block groups with the highest income
9:45am	Jared	Law	Agricultural Economics	Jason Bergtold	Cellulosic Feedstock Production Survey of Kansas Farmers
10:00am	Paige	Johnson	Kinesiology	Elizabeth Fallon	The Role of Body Image on Physical Activity Initiation and Maintenance
10:15am	Karre	Schaefer	History	Laurie Johnson	For the Good of Mankind and the Glory of God: A Study of the Connecticut Kansas Colony and Its Involvement in the Kansas Territory.
10:30am	Ariel	Anib	Criminology/ Sociology	Nadia Shapkina	A Clogged Artery: An Analysis of Human Trafficking in the Heart of America
10:45am	Tamica	Lige	Department of Art	Douglas N. Dow	The Black Magus in Dürer's Adoration of the Magi: Frederick the Wise and the German Attraction to the African Image.