

# 2019 SE Regional IDeA Conference

Poster Session II - Friday 8:30 am - 10:30 am  
Cochran Ballroom

Poster #	Session	Name (Last)	Name (First)	Poster/Abstract Title	Poster/Abstract Category	Co-Authors	Academic Institution
165	II	Abouleisa	Riham	Cardiomyocytes specific and transient expression of cell cycle factors is a promising therapy for heart failure	Environmental Research and Cardiovascular Disease	Qinghui Ou, Xian-Liang Tang, Wen-Jian Wu, Heather Stowers, Roberto Bolli, Tamer Mohamed	University of Louisville
186	II	Adams	Samuel	Immunogenicity of Non-Replicating HSV-Vectored Vaccines	Immunobiology and Infectious Disease	Joseph Mester, Joseph Glorioso, William Goins, Justus Cohen, Yoshitaka Miyagawa, Hunter Morgan, Ashley Wentworth, Donniesha Mason	Northern Kentucky University
115	II	Alpaydin	Mehmet	Mole Detection and Tracking for Total Body Photography	Cancer Research	Sinan Kockara, Tansel Halic, Andinet Enquobahrie, Henry Wong	University of Central Arkansas
151	II	Annett	Robert	Vitamin D Supplementation in Children with Obesity-Related Asthma (VDORA Study)	Clinical and Translational Science	Andrew Atz, Scott Bickel, Daniel Hsia, Jeannette Lee, Jessica Snowden, Marc Majure, Brian O'Sullivan, Laura James	University of Mississippi Medical Center
158	II	Ashpole	Nicole	Natural Product Neuroscience Neuropharmacology Core	Core Facilities and Training Opportunities	Jessica Marshall, Nisha Mishra, Kate Boyet, Hannah Harris	University of Mississippi School of Pharmacy
140	II	Atz	Andrew	Feasibility of the iAmHealthy Intervention for Healthy Weight in Rural Children Recruited from Primary Care Clinics	Clinical and Translational Science		Medical University of South Carolina
146	II	Atz	Andy	Pediatric Research Capacity Improvements in the IDeA States Pediatric Clinical Trial Network	Clinical and Translational Science	Jessica Snowden	University of Arkansas for Medical Sciences
171	II	Audam	Timothy	The Extracellular Matrix Component, Hyaluronan,	Environmental Research and Cardiovascular Disease		University of Louisville

				Suppresses Macrophage Phagocytosis Independently of the Hyaluronan Receptor, CD44			
190	II	Bagaitkar	Juhi	Loss of NADPH-derived ROS decreases Nrf2 resulting in unrestricted inflammation in the oral mucosa	Immunobiology and Infectious Disease	Shunying Jin, Kelley Cooper, Venkatakrisna Jala, Richard Lamont	University of Louisville
150	II	Barve	Shirish	Tributyryn attenuates alcohol-induced chemokine up-regulation via epigenetic mechanisms: Relevance to hepatic inflammation and Injury in ALD	Clinical and Translational Science	Smita Ghare	University of Louisville
147	II	Bates	Paula	Research Evaluation and Commercialization Hubs (REACH) in Kentucky: Lessons learned and future opportunities	Clinical and Translational Science	Linda Dvoskin, Sarah Andres, Eugene Krentsel, Ian McClure, Brian Mefford, Donald Miller, Allen Morris, Jessica Sharon, Holly Symonds-Clark	University of Louisville
132	II	Bazzano	Lydia	Childhood Fasting Plasma Glucose and Brain Health Indicators at Midlife: Evidence from the Bogalusa Heart Study	Clinical and Translational Science		Tulane University
188	II	Brann	Katelynn	Infection of Primary Human Alveolar Macrophages Alters Staphylococcus aureus Toxin Production and Activity	Immunobiology and Infectious Disease	Marissa Fullerton, Frances Onyilagha, Andrew Prince, Joseph Rom, Richard Kurten, Jon Blevins, Mark Smeltzer, Daniel Voth	University of Arkansas for Medical Sciences
110	II	Brown	Valeria	Establishment of Human DCLK1 Isoform 2 Isogenic Cells Using HCT116 Cells	Cancer Research	Lianna Li	Tougaloo College
141	II	Broyles	Stephanie	IDeA-CTR support for the Risk Underlying Rural Areas Longitudinal (RURAL) study in Louisiana	Clinical and Translational Science	Shauntice Allen, Stephanie Boone, Ervin Fox, Suzanne Judd, Paul Targonski, Vasam Ramachandran	Pennington Biomedical Research Center
179	II	Broyles	Stephanie	Development of the Louisiana Translational Collaborative on Health Behaviors (LATCH) Network	Immunobiology and Infectious Disease	John Apolzan, Lauren Richey, John Vanchiere, David Welsh	Pennington Biomedical Research Center
121	II	Castro-Rivera	E	The Nicotinic Acetylcholine Receptor Modulator 4R as a Treatment for Non-Small Cell Lung Carcinoma	Cancer Research	Y Sepulveda Martínez, VA Eterovic, Y Ferrer-Acosta	Universidad Central del Caribe

<b>197</b>	II	Chamcheu	Jean Christopher	The Anti-psoriatic effect of 3',4',7-trihydroxyflavonol in 2D and 3D human skin models is associated with inhibition of the mTOR/MAPK signaling pathways	Immunobiology and Infectious Disease	Sergette Banang-Mbeumi, Tithi Roy, Stephane Esnault, Konstantin Gus Kousoulas	University of Louisiana at Monroe
<b>175</b>	II	Collins	Elliot	Compound Isolated from Fennel Dampens Virulence Factor Expression of Francisella tularensis	Immunobiology and Infectious Disease		West Liberty University
<b>108</b>	II	Contreras	Luis	Bioguided Fractionation and Isolation of Chemical Constituents of the Chloroform Extract from the Tropical Plant Croton discolor	Cancer Research		Universidad Ana G. Méndez, Gurabo Campus
<b>176</b>	II	Crenshaw	Raenel	Deficiency in a beta2-adrenergic receptor in a mouse stress model leads to decreased Chlamydia muridarum genital infection	Immunobiology and Infectious Disease	Elisha Martin, Tesfaye Belay	Bluefield State College
<b>136</b>	II	Davis	Deborah	Disparities in ADHD Diagnosis and Treatment by Race/Ethnicity in Youth receiving Kentucky Medicaid in 2017	Clinical and Translational Science	Kahir Jawad, Yana Feygin, Liza Creel, Maiying Kong, Jingchao Sun, David Lohr, Gail Williams, Faye Jones, Natalie Pasquenza	University of Louisville
<b>111</b>	II	Dings	Ruud	Gastrointestinal tract dysbiosis enhances distal tumor progression through suppression of leukocyte trafficking	Cancer Research	Samir Jenkins, Michael Robeson, Robert Griffin, Charles Quick, Eric Siegel, Martin Cannon, Kieng Vangs	University of Arkansas for Medical Sciences
<b>134</b>	II	Dunfee	Madeline	Conducting community inventories of resources supporting healthy lifestyle among Appalachian residents	Clinical and Translational Science	Nancy Schoenberg	University of Kentucky
<b>129</b>	II	Ghare	Smita	Assessment of sex-based differences in gut-immune interactions in viral-controlled HIV patients	Clinical and Translational Science		University of Louisville
<b>181</b>	II	Gilbert	Kassi	Examining Antibody Genomic Variation in Inbred Mouse Strains	Immunobiology and Infectious Disease	Justin Kos, William Gibson, David Tieri, Christian Busse, Katherine Jackson, Andrew Collins, Corey Watson	Brescia University
<b>183</b>	II	Haggerty	Kristen	Francisella tularensis FTL_0580 Leader Peptide Enhances Fluorescence Protein Expression	Immunobiology and Infectious Disease	Stuart Cantlay, Joesph Horzempa	West Liberty University

<b>172</b>	II	Hankins	Sho'Monique	Active Hexose Correlated Compound Enhances Expression of Surface Molecules on Stressed Mouse CD4+ T Cells	Immunobiology and Infectious Disease	Elisha Martin, Rajnish Sahu, Tesfaye Belay	Bluefield State College
<b>119</b>	II	Hernandez	Eliud	Synthesis, anti-cancer and anti-migratory evaluation of 3,6-dibromocarbazole and 5-dromoindole derivatives	Cancer Research	Eliud Hernandez, Krystal Butler-Fernandez, Zulma Ramos, Adela Francis-Malavé, Joseph Bloom, Suranganie Dharmawardhane	University of Puerto Rico Medical Sciences
<b>145</b>	II	Hill	Faihza	Management of Children Diagnosed with Tracheitis in a Pediatric Intensive Care Unit	Clinical and Translational Science	Janice Sullivan, John A Myers, Claudia M Espinosa	University of Louisville
<b>133</b>	II	Hodder	Sally	Community Attitudes on Substance Use and Harm Reduction in West Virginia	Clinical and Translational Science	Nicole Bryan, Malayna Bernstein, Stacey Whanger, Elizabeth Tolley, Nabila El-Bassel, Craig Robinson, Amber Crist, Jennifer Boyd, Sijin Wen	West Virginia Clinical and Translational Science Institute, West Virginia University
<b>113</b>	II	Hood	Joshua	Liver tumor-derived small extracellular vesicles modulate macrophage function	Cancer Research		University of Louisville
<b>131</b>	II	Howard	Stevi	Chemerin is a Biomarker of Aging in Mice	Clinical and Translational Science		University of Kentucky
<b>142</b>	II	Hsia	Daniel	IDeA States Pediatric Clinical Trials Network: Clinical Trials and Capacity Building	Clinical and Translational Science	Robert Annett, Andrew Atz, Jeannette Lee, Janice Sullivan, Sara Watson, Jessica Snowden	Pennington Biomedical Research Center,
<b>185</b>	II	Huang	Weishan	Heterogeneity of regulatory T cells in the mouse airway during influenza infection	Immunobiology and Infectious Disease	Kaixiong Ye, Michael McGee, Natalie Nidetz, Sabrina Solouki, Candice Limper, Avery August	Cornell University
<b>170</b>	II	Hughes	Donald	Racial differences associated with risk factors and prevalence of hypertension at OAHCC	Environmental Research and Cardiovascular Disease	Kimberly Travis, Tamika Curtis-Halloway	Hinds Community College
<b>114</b>	II	Humphrey	Michael	Modified Michael Addition Leads to Biologically Significant	Cancer Research	Emerson Smith, Thomas Maloney, Irosha Nawarathne, Jenkins, S. V., Ruud Dings	Lyon College
<b>157</b>	II	Iverson	Caroline	Mississippi INBRE Scholars Programs: Assessment of student	Core Facilities and Training Opportunities	June Gipson, Jennifer Lemacks, Tammy Greer, Antwan Nicholson, Mohamed Elasri	University of Southern Mississippi

				learning gains following their summer research experience			
199	II	Jacobs	MacKenzie	Whitebark Pine Extract Augments Immune Responses that Diminish Bacterial Infection	Immunobiology and Infectious Disease	Elliot Collins, Roger Seeber, Joseph Horzempa	West Liberty University
116	II	Johnston	Alexandra	Ototoxicity of cisplatin, pyriplatin, and phenanthriplatin in the auditory hybridoma cell line, HEI-OC1	Cancer Research	Michael E. Smith	Western Kentucky University
187	II	Joiner	Joshua	Infection of Human Brain Vascular Pericytes with Zika Virus	Immunobiology and Infectious Disease		Centre College
107	II	Jones	Jeremy	Attenuating inflammatory mediator production by AML cells using normal human plasma-derived extracellular vesicle subtypes	Cancer Research		University of Louisville
154	II	Katz	Wendy	Energy Balance and Histology Core Services Provided by COCVD at University of Kentucky	Core Facilities and Training Opportunities	Megan Peterson, Brian Finlin, Shuxia Wang, Lisa Cassis	University of Kentucky
125	II	Kendrick	Samantha	Transcriptomic and proteomic profiling of HIV seropositive and seronegative diffuse large B-cell lymphoma	Cancer Research	Anna Sharabura, Kevin Naceanceno, Stephanie Byrum, Ginell Post	University of Arkansas for Medical Sciences
159	II	Kidd	LaCreis	Results of the R25 Cancer Education Experience	Core Facilities and Training Opportunities	David Hein	University of Louisville
174	II	Knight	Emily	Characterization of a novel peroxin in Trypanosoma brucei	Immunobiology and Infectious Disease	Emily Knight	Clemson University
182	II	Lam	Marjorie	Expression and Purification of MsaB Protein in Staphylococcus aureus	Immunobiology and Infectious Disease	Gyan Sahukhal, Mohamed Elasri	The University of Southern Mississippi
160	II	Latour	Robert	SC BioCRAFT Biomaterials Engineering and Testing (BET) Core	Core Facilities and Training Opportunities	Guzeliya Korneva, Ken Webb, Jiro Nagatomi, Lee Sierad, Naren Vyavahare	Clemson University
152	II	Lewis	William	West Virginia Practice-Based Research Network: primary care engagement from CTR	Clinical and Translational Science	Jennifer Boyd, Stacey Whanger	West Virginia University
112	II	Li	Yan	Lack of FGF21 accelerates the Th17-IL-17 axis mediated transition from	Cancer Research		University of Louisville

				nonalcoholic steatohepatitis to hepatocellular carcinoma			
143	II	Lim	Crystal	Initial Clinical Outcomes from a Multidisciplinary Pediatric Obesity Clinic in a Southern IDeA State	Clinical and Translational Science	Shanda Sandridge, Krista King	University of Mississippi Medical Center
167	II	Lynch	Will	Exercise-stimulated production of specialized pro-resolving lipid mediators in adipose tissue is abrogated by excess nutrient consumption	Environmental Research and Cardiovascular Disease		University of Louisville
155	II	Mackintosh	Samuel	IDeA National Resource for Proteomics	Core Facilities and Training Opportunities	Ricky Edmondson, Michael Kinter, Alan Tackett	University of Arkansas for Medical Sciences
189	II	McGee	Michael	ITK regulates IL-10 production by CD8+ T cells and lung immunopathology during influenza infection	Immunobiology and Infectious Disease	Weishan Huang, Kaixiong Ye, Natalie Nidetz, Sabrina Solouki, Avery August	Louisiana State Univeristy
137	II	Menke	Brenna	Does physical activity during late pregnancy impact an infant's body composition at birth?	Clinical and Translational Science	Kolbi Edens, Keri Esslinger, Jill Maples, Rachel Tinius	Western Kentucky University
148	II	Morello	Roy	Respiratory function in the CrtpKO mouse model of osteogenesis imperfecta	Clinical and Translational Science	Milena Dimori, Melissa Lispmeyer, Stephanie Byrum, Samuel Mackintosh, John Carroll	University of Arkansas for Medical Sciences
194	II	Nakamya	Mary	Polyamine synthesis is required for Streptococcus pneumoniae oxidative, nitrosative and acid stress responses	Immunobiology and Infectious Disease	Moses Ayoola, Leslie Shack, M. Mohamed, Edwin Swiatlo, Bindu Nanduri	Mississippi State University
178	II	Nawarathne	Irosha	Development of Efficacious Rifamycin Derivatives by Utilizing Click Chemistry	Immunobiology and Infectious Disease	Zachary Hodge, Daniel Armstrong	Lyon College
127	II	Neilson	Elizabeth	Acute Intoxication, Past Sexual Aggression, and Power- and Dominance-Related Sex Motives on Men's Forced Sex Intentions	Clinical and Translational Science	Elizabeth Bird, Cynthia Stappenbeck, William George, Kelly Cue Davis	Morehead State University
135	II	Nesmith	Clare	Detection of norbuprenorphine in infants born to pregnant mothers receiving buprenorphine	Clinical and Translational Science	Laura James, Tara Venable, Jeff Moran, Davis Flemming, Sherry Courtney, Sue Rahman, Amy Patton	University of Arkansas for Medical Sciences

<b>184</b>	II	Nidetz	Natali	GCN2 signaling in mast cell development and proinflammatory responses to lipopolysaccharide	Immunobiology and Infectious Disease	Candice Limper, Michael McGee, Avery August, Weishan Huang	Louisiana State University
<b>168</b>	II	Oldham	Delyla	Histological Analysis of Rat Hearts Treated with a Novel Gene Therapy to Induce Cardiomyocyte Regeneration	Environmental Research and Cardiovascular Disease	Riham Abouleisa, Tamer Mohamed	University of Louisville
<b>166</b>	II	Olfert	Mark	Electronic cigarettes and heat-not-burn cigarettes induce similar vasoconstriction as tobacco cigarettes	Environmental Research and Cardiovascular Disease	Chris Pitzer, Eiman Aboaziza	West Virginia University
<b>156</b>	II	Ortiz	Nicole	Impact of the Puerto Rico-INBRE Program on Education of Hispanic Students in Biomedical Science	Core Facilities and Training Opportunities	Sharon Alvalle, Ida Mejias, Jose Rodriguez-Medina, Juan Lopez-Garriga, Edna Acosta, Jose Rodriguez-Orengo	Carlos Albizu University
<b>122</b>	II	Ortiz-Soto	Gabriela	The Role of Metadherin in Inflammatory Breast Cancer	Cancer Research	Ivette Suárez-Arroyo, Michelle Martínez-Montemayor	Universidad Central del Caribe-School of Medicine
<b>109</b>	II	Ospina	Claudia	Bioguided isolation of quassinoids from Simarouba tulae, an endemic plant of Puerto Rico	Cancer Research	Nashely Cotto, Luis Contreras, Christian Velez, Maria Ortiz, Eliud Hernandez, Pablo Vivas	Universidad Ana G. Mendez
<b>164</b>	II	Pagán	Estheany	Autophagy Responses in Asthmatic Lung Cells Exposed to Diesel Exhaust Particles	Environmental Research and Cardiovascular Disease	Estheany D. Román Pagán	Universidad Ana G Mendex, Carolina Campus
<b>138</b>	II	Patel	Parth	Examining Unsatisfactory STI Testing and its Effects on Clinic Spending	Clinical and Translational Science	Obie McNair	Millsaps College
<b>180</b>	II	Pechous	Roger	Evaluating Early Host/Pathogen Interactions During Pneumonic Plague: A Dual Role for the Pla Protease	Immunobiology and Infectious Disease	Srijon Banerjee, amantha Huckuntod, Richard Kurten	University of Arkansas for Medical Sciences
<b>192</b>	II	Punturi	Brianna	Oral Administration of Active Hexose Correlated Compound to Cold-water Stressed Mice Modulates the Expression of Chemokines in the genital Tract	Immunobiology and Infectious Disease	Elisha Martin, Tesfaye Belay	Bluefield State College

<b>169</b>	II	Raph	Sean	KVβ2 mediates vasodilation in response to redox changes of the NADH:NAD+ ratio	Environmental Research and Cardiovascular Disease		University of Louisville
<b>177</b>	II	Rice	Morgan	Determining the role of Francisella lipoprotein A (FlpA) in Francisella tularensis susceptibility to resazomycins	Immunobiology and Infectious Disease	Noah Teaff, Donald Primerano, James Denvir, Deanna Schmitt	West Liberty University
<b>173</b>	II	Rolen	Courtney	Active Hexose Correlated Compound Enhances Surface Expression of Co-stimulatory Molecules and MHC II on Stressed Mouse Dendritic Cells and Cytokine Production by Macrophage Cell Lines	Immunobiology and Infectious Disease		Bluefield State College
<b>118</b>	II	Rosario	Mitzzy	Study of the chemical composition and biological activities of Piper blattarum	Cancer Research	Mitzzy J. Santiago Rosario	Universidad Ana G. Méndez, Gurabo, PR
<b>130</b>	II	Schildmeyer	Hannah	Association of Autonomic Nervous System Functioning With Craving And Impulsivity In College Student Drinkers	Clinical and Translational Science	Ty Brumback	Northern Kentucky University
<b>120</b>	II	Shull	Austin	The DNA methylation signature of EpCAM-/CD49f- breast cancer stem cells reveals a propensity towards an inflammation expression signature and worse overall clinical severity in basal-like breast cancers	Cancer Research	Emma Gray, Sarah Smith, Sara White, Caroline Dyar, Maria Ouzounova, Hasan Korkaya	Presbyterian College
<b>191</b>	II	Sokoloski	Kevin	Noninfectious Viral RNAs are Critical for Alphaviral Infection and Pathogenicity in Neurotropic Models of Disease	Immunobiology and Infectious Disease	Autumn LaPointe	University of Louisville
<b>128</b>	II	Teeters	Jenni	An Interactive Personalized Feedback and Text-Messaging Intervention is Associated with Changes in Perceptions of Driving After Cannabis Use	Clinical and Translational Science	Shelby King	Western Kentucky University
<b>139</b>	II	Tinius	Rachel	Exercise Intervention during Pregnancy Reduced Sedentary Time and Increased Self-Efficacy in a Rural Setting	Clinical and Translational Science	Kolbi Edens, Kim Link, Susan Jones, Scott Lyons, Tatum Rebelle, Kevin Pearson, Jill Maples	Western Kentucky University



<b>106</b>	II	Vanderford	Nathan	A Brief Educational Intervention Enhances Basic Cancer Literacy Among Kentucky Middle and High School Students	Cancer Research	Lauren Hudson	University of Kentucky
<b>123</b>	II	Vanderford	Nathan	The University of Kentucky Center for Cancer and Metabolism: Administrative Core	Cancer Research	Daret St. Clair, Peter Zhou	University of Kentucky
<b>153</b>	II	Velasquez	Sarah	Collective impact of INBRE Summer Undergraduate Research Programs across the country	Core Facilities and Training Opportunities	Laura Lessard, Julie Benson, Jessica Garfield, Linda Liou, Sharon O'Connor, Jane Onoye, Chris Smith	University of Kansas Medical Center
<b>162</b>	II	Velasquez	Sarah	The National Association of IDeA Principal Investigators (NAIPI): The collective voice of the IDeA community	Core Facilities and Training Opportunities	Douglas Wright	NAIPI
<b>124</b>	II	Veletanlic	Vanesa	Toxicity of platinum compounds in human cancer cell models	Cancer Research	Lucas Freeman, Emily Nole, Jessica Schlabach, Blairanne Williams	Western Kentucky University
<b>193</b>	II	Walters	Heather	Phosphorylation of eukaryotic initiation factor-2 $\alpha$ in response to endoplasmic reticulum and nitrosative stress in the human protozoan parasite, <i>Entamoeba histolytica</i>	Immunobiology and Infectious Disease	Lesly Temesvari	Clemson University
<b>195</b>	II	Warawa	Jonathan	Resolution of lethal respiratory melioidosis by immunomodulation	Immunobiology and Infectious Disease	Nejat Egilmez	University of Louisville
<b>149</b>	II	Washington	Valance	Soluble TLT-1 (sTLT-1) is a prognostic factor for ARDS and modulates fibrinogen deposition to prevent tissue damage in a murine lung injury model	Clinical and Translational Science		University of Puerto Rico
<b>144</b>	II	Watson	Sara	Kentucky Pediatric IDeA Research Center: Building Pediatric Research in Kentucky	Clinical and Translational Science	Jackie Boyd, Kyle Brothers, Lori Devlin, Scott Bickel, Greg Barnes, Debbie Davis, David Lohr, Claudia Espinosa, Janice Sullivan	University of Louisville
<b>198</b>	II	Weekley	Daron	The role of pili in <i>Francisella tularensis</i> susceptibility to resazomycins	Immunobiology and Infectious Disease	Jacob Pancake, Jennifer Hickman, Donald Primerano, James Denvir, Deanna Schmitt	West Liberty University

196	II	Wilkinson	Christina	Studies resolving unexpected functions and regulation of fructose 1,6-bisphosphatase in the parasite <i>Trypanosoma brucei</i>	Immunobiology and Infectious Disease	Crowe, L., Morris, M.	Clemson University
126	II	Yang	An	A cost-efficient approach to the discovery of new drugs for Chagas disease	Clinical and Translational Science		University of Central Arkansas
161	II	Yao	Hai	South Carolina COBRE for Translational Research Improving Musculoskeletal Health (SC-TRIMH)	Core Facilities and Training Opportunities	Martine LaBerge, Windsor Sherrill, Michael Kern	Clemson University
163	II	Zacharias	Wolfgang	The University of Louisville Genomics Facility	Core Facilities and Training Opportunities		University of Louisville
117	II	Zhai	Tingting	Patient-Specific Phylogenetic and Pathway Analysis of Tumor Evolution	Cancer Research		University of Kentucky

### POSTER SESSION DETAILS

- Pushpins will be provided for poster hanging. Just bring your poster!
- Posters must be the standard poster size of 48"(w) x 36"(h)
- Poster set up for SESSION II is available on Thursday, November 7<sup>th</sup> from 8:00 PM – 10:00 PM in the Cochran Ballroom