

Current Research Projects Related to the Improving our Health Grand Challenge

Long Title	Researcher	Primary Unit
Growing Healthy Communities	Anding, Jenna	Human Nutrition
Development of Specific Monoclonal Antibodies for Quantification of Antigen and Development of Antigen-Quantification Elisa for	Berghman, Luc	Poultry Science
Effects of Dairy Ingredients On Gut Microbiome and Gut Health	Walzem, Rosemary	Poultry Science
Phosphorylation and Ubiquitination of Immune Sensory Complexes In Innate Immune Signaling	Shan, Libo	Plant Pathology & Microbiology
Development of Guidance To Ensure A Risk-Informed Planning Process and Appropriate Decision Making for Use By SLTT	Beckham, Tammy	Institute For Infectious Animal Diseases
Enhanced Passive Surveillance (EPS) Pilot Project	Beckham, Tammy	Institute For Infectious Animal Diseases
Toward Large-Scale Enhanced Passive Surveillance	Beckham, Tammy	Institute For Infectious Animal Diseases
LABEX US – (Biodiversity: New Products and Bioactive Compounds) 2013 Annual Work Plan FY2013)	Cisneros-Zevallos, Luis	Horticultural Sciences
Structure-guided drug discovery for tuberculosis and malaria	Sacchettini, James	Biochemistry & Biophysics
A role for non-coding RNA in the regulation of telomerase in breast cancer.	Shippen, Dorothy	Biochemistry & Biophysics
CAREER: Essential functions of secondary metabolic networks for bacterial competition	Straight, Paul	Biochemistry & Biophysics
CAREER: Evolutionary Mechanisms for Recruiting Promiscuous Enzyme Activities into New Metabolic Pathways	Glasner, Margaret	Biochemistry & Biophysics
Chemoprotective Effects of EPA and DHA on Colonic Adult Stem Cells	Chapkin, Robert	Nutrition And Food Science
Drug Targets in Mtb Gluconeogenesis	Sacchettini, James	Biochemistry & Biophysics
EcoliHub2.0: A next Generation E. coli Model Organism Database	Hu, James	Biochemistry & Biophysics
Gut Microbiota and Colonic Gene Expression: A Lignan Trial in Humans	Chapkin, Robert	Nutrition And Food Science
Hepatocyte adenosine 2A receptor regulates liver lipogenesis and inflammatory responses in DIO	Wu, Chaodong	Nutrition And Food Science
Integrated discovery and development of innovative TB Diagnostics	Ioerger, Thomas; Sacchettini, James	Biochemistry & Biophysics
Leptospira Vaccine Project	Pillai, Suresh	Poultry Science
Nanorna-Mediated Control of Gene Expression	Kaplan, Craig	Biochemistry & Biophysics
Protective role of adenosine 2A receptor in NAFLD	Wu, Chaodong	Nutrition And Food Science

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The Role of Non-Canonical Base Pairs In Rna Editing	Cruz-Reyes, Jorge	Biochemistry & Biophysics
Treatment of Pierce's Disease With Phage	Gonzalez, Carlos	Plant Pathology & Microbiology
West Nile Virus: Eco-epidemiology of Disease Emergence in Urban Areas II	Hamer, Gabriel	Entomology
Improving Health in Starr County	Anding, Jenna; Kirk, Alice; Rice, Carol	Human Nutrition
Texas Consortium Geriatric Education Center- Y4	Crocker, Andrew	Family Development & Resource Management
The Central Texas Cancer Prevention and Control Research Network	Purcell, Ninfa	Family Development & Resource Management
New Mexico Alert Program - Syndromic Surveillance Program in Texas	Hairgrove, Thomas	Animal Science
BOLD Supplemental Analysis	Walzem, Rosemary	Poultry Science
CFP Administration of Food Safety	Hall, Samuel; McWhorter, George	Borlaug Institute For Int'l Agriculture
Comparison of Atlas and Assurance GDS Assays for Detection of E. coli O157:H7 in Ground Beef	Acuff, Gary	Animal Science
Correlation of surrogate bacteria and salmonellae for validation of spiceherb pathogen reduction processes	Acuff, Gary; Castillo, Alejandro	Animal Science
Effect of Treatment on the Reduction of Salmonella Colonization in 10-day old Chicks	Duong, Tri	Poultry Science
Identifying Bacteriophages Capable of Inactivating Multi-Drug Resistant (MDR) Salmonella Newport as a Pre-Harvest Antimicrobial Intervention	Gill, Jason; Harris, Kerri; Savell, Jeffrey; Taylor, Thomas	Animal Science
Impacts of Sorghum Varietals on Lipoprotein Profiles	Turner, Nancy	Nutrition And Food Science
Peanut and Mycotoxin Innovation Lab: Feed the Future Initiative	Baring, Michael; Burow, Mark; Simpson, Charles	Soil & Crop Sciences
Shiga-toxigenic Escherichia coli (STEC) in the Beef Chain: Assessing and Mitigating the Risk by Translational Science, Education and Outreach	Taylor, Thomas	Animal Science
Study Prevalence of Salmonella Honduras	Hall, Samuel; McWhorter, George	Borlaug Institute For Int'l Agriculture
Validation of Hot Water Intervention in Beef Slaughter	Acuff, Gary; Castillo, Alejandro	Animal Science
Advanced Processing Technologies As Multiple Hurdles To Inactive Stec Viruses During Beef Processing and Non Intact Beef Products	Rosson, Claude	Tamu-Aerospace Engineering
2014 Insect Pest Management in Texas High Plains Cotton	Parajulee, Megha	Lubbock Center

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Texas Turfgrass Crop Profile & Pest Management Strategic Plan (PMSP)	Reynolds, William	Soil And Crop Sciences
RIDGE Center for Rural Studies: Health, Economic Instability, and Participation in the Supplemental Nutrition Assistance Program	Capps, Oral; Ishdorj, Ariun	Agricultural Economics