FRLC SCIENTIFIC SESSIONS
Tuesday, September 13th, 2016

2:15—3:30 p.m.  |  SESSION IA  |  CANCER BIOLOGY & GENETIC DISEASES
Lipsett Auditorium, Bldg. 10

Lung cancer and scar carcinoma risk after identification of lung scarring on screening CT scan in the National Lung Screening Trial
Alison Van Dyke, MD, PhD

Thioredoxin system mediated regulation of mutant Kras associated pancreatic neoplasia and cancer
Michelle Schultz, PhD

Microstructural alterations of sputum in cystic fibrosis lung disease
Gregg Duncan, PhD

Mitochondrial bioenergetic mechanism of cancer-related fatigue
Choa-Pin Hsiao, PhD, RN

The spliceosome as a novel target to treat myelodysplastic syndromes
Esther Obeng, MD, PhD

2:15—3:30 p.m.  |  SESSION IB  |  CELLULAR/DEVELOPMENTAL BIOLOGY
FAES Classroom 6, Bldg. 10

Comparative roles of c-Fos and C/EBPα in osteoclast differentiation through regulation by the RANK cytoplasmic IVVY535-538 motif in a RBP-J downregulation manner
Joel Jules, PhD

Cell migration and palatal fusion
Shaun Logan, PhD

Offspring epigenetic consequences of maternal environment
Folami Ideraabdullah, PhD

Developmental reprogramming in the liver by endocrine-disrupting chemicals
Lindsey Treviño, PhD

The role of the secretory pathway tyrosine kinase VLK in extracellular matrix dynamics
Leila Revollo, PhD
2:15—3:30 p.m.  

SESSION IC  |  CLINICAL RESEARCH & EPIDEMIOLOGY  
FAES Classroom 7, Bldg. 10

The incidence of obesity in a large representative sample of youth with developmental disabilities  
**Melissa Pangelinan, PhD**

Assessing the population representativeness of clinical trials with combined use of multiple data sources  
**Zhe He, PhD**

Precision nutrition: Individual differences among children in sucrose detection thresholds: Relationship with age, gender, weight, sugar consumption and bitter taste genotype  
**Paule Joseph, PhD, RN, CRNP, CTN-B**

Systemic activation of host antigen presenting cells via RNA-loaded nanoparticles induces anti-tumor immunity  
**Elias Sayour, MD, PhD**

Pharmacogenetics management of sickle cell disease co morbidities  
**Cheedy Jaja, PhD, MPH, MN, RN**

3:45—5:00 p.m.  

SESSION IIA  |  MOLECULAR BIOLOGY, MICROBIOLOGY & INFECTIOUS DISEASES  
Lipsett Auditorium, Bldg. 10

Long-term impact of HPV vaccination on pre-invasive and invasive cervical neoplasias and other HPV-associated diseases  
**Ana Rodriguez, MD, MPH**

Are the enzymes involved in the synthesis of essential amino acids plausible targets for the development and or discovery of novel antibiotics?  
**André Hudson, PhD**

Resolvin D2 and novel DRV2 receptor axis in sepsis  
**Stephania Libreros, PhD**

Phylogeographic analyses of emerged and emerging human pathogens  
**Crystal Hepp, PhD**

Sphingolipid production by the gut microbiota influences mammalian hepatic lipid metabolism  
**Elizabeth Johnson, PhD**
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3:45—4:45 p.m.  
SESSION IIB | HEALTH DISPARITIES  
FAES Classroom 7, Bldg. 10

Disparities in substance abuse and mental health among Latinos and youth  
*Frank Bandiera, PhD, MPH*

Improving clinical trial participation: Assumptions, evidence, and key questions  
*Aisha Langford, PhD, MPH*

A multi-level perspective to understand the social determinants of sleep in a multi-ethnic population  
*Dayna Johnson, PhD, MPH, MSW*

Minority stress and health: Risk pathways and protective factors  
*Ethan Mereish, PhD*

3:45—5:00 p.m.  
SESSION IIC | NEUROSCIENCE  
FAES Classroom 6, Bldg. 10

Zika activates astrocyte UPR and exosome-dependent release of neuro-inflammatory mediators in the context of cocaine abuse  
*Irma Cisneros, PhD*

Identification and quantitation of optic nerve head cell proliferation in an experimental glaucoma model  
*Diana Lozano, PhD*

Cross-modal sensory deprivation promotes plasticity in adult visual cortex  
*Gabriela Rodriguez*

Discovery of brain-penetrant COMT inhibitors for the treatment of cognitive impairment  
*Gregory Carr, PhD*

A cortico-amygdala circuit encodes observational learning  
*Stephen Allsop, PhD*