

2016 | NIH FUTURE RESEARCH LEADERS CONFERENCE

September 13-15

#GREATMINDS
THINK DIFFERENTLY...



National Institutes of Health | Bethesda, MD

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/EBP α 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



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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

Stephanía Liberos, 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