

The 16th Annual NIDDK Scientific Conference Schedule

April 1st - 2nd, 2021 | HOSTED VIRTUALLY

Day 1: Thursday, April 1st

* All times are in Eastern Standard Time (EST)

8:30 – 8:45 AM

Welcome & Opening Remarks

Dr. Sezen Meydan, NIDDK Fellows Advisory Board Chair, LBG

8:45 – 9:45 AM

TALKS - SESSION I

Dr. Susanne Neumann, LERB, [Opening talk](#)

"Small Molecule Antagonists as Potential New Therapeutics Targeting the TSH Receptor"

Dr. Benedikt Hild, LDB

"Neonatal Exposure to a Wild-Derived Microbiome Protects Against Diet-Induced Obesity"

Dr. Valentyn Stadnytskyi, LCP

"The Airborne Lifetime of Small Speech Droplets and Their Potential Importance in SARS-CoV-2 Transmission"

9:45 - 10:15 AM

ELEVATOR TALKS



1. Dr. Agnes Karasik, LBG

"RNase L Mediated Antiviral Response Triggers Translation of the Non-coding Regions of Messenger RNAs"

2. Dr. Sonam Kumari, MDB

"BRAF-like and RAS-like Thyroid Cancer is Characterized by Distinct Metabolic Phenotypes"

3. Taylor Lentz, DEOB

"Human Brown Adipose Tissue Quantification Analysis Training for New Users"

4. Dr. Tilo Freiwald, KDB

"SARS-CoV2 drives JAK1/2-dependent Local and Systemic Complement Hyper-activation"

5. Samantha Matta, DEOB

"Metformin and Growth Differentiation Factor 15 (GDF-15) In Youth with Type 2 Diabetes"

6. Dr. Valerie Darcey, LBM

"Short-term Restriction of Dietary Fat, But Not Carbohydrate, Reduces Availability of Striatal Dopamine D2 Receptors in Humans."

7. Megan Onyundo, LBG

"The Endoplasmic Reticulum Forms a Reticular Structure Around Centrosomes in C. elegans Embryos"

8. Meital Gewirtz, LDB

"Changes to the Gut Microbiome in Hepatitis D Viral Infection"

10:15 - 10:30 AM

Break

CAREER AND RESEARCH DEVELOPMENT

10:30 - 11:00 AM

Christina Farias, Executive Director, Foundation for Advanced Education in the Sciences (FAES)

"What can FAES offer you?"

11:00 AM - 12:00 PM

Career Consulting Event ([parallel sessions](#), registration required)

Academia

Dr. Kate Chiappinelli - George Washington University

Dr. Louise Lassalle - Johns Hopkins University

Industry

Dr. Chrysi Kanellopoulou - KinaRX

Dr. Rahsan Erdem - PATH

12:00 - 1:00 PM

Lunch Break

Day 1 – continued

1:00 - 2:00 PM

Keynote Speaker I

Dr. Sydnee & Justin McElroy from Sawbones Podcast

"How Parrot Fever Gave Birth to the NIH"



"How parrot fever gave birth to the NIH"

Story of how psittacosis outbreak of 1929, the panic that followed, and its resolution led to the founding of the NIH.

2:00 - 3:15 PM

POSTER SESSION I - Including the elevator talk presenters

3:15 – 3:30 PM

Break

3:30 – 5:10 PM

TALKS - SESSION II

Dr. Leslie Baier, PECRB, Opening talk

"Identifying the Mechanisms of Type 2 Diabetes and Obesity Loci Identified in Pima Indians"

Dr. Amy Sutton, DEOB

"Interrogating the Role of AgRP Neurons in the Pathogenesis of Activity-based Anorexia"

Dr. Karim Mouzannar, LDB

"The p97/VCP Protein Transcriptionally Regulates HBV Gene Expression and Is a Critical Proviral Host Factor for Hepatitis B Virus."

Dr. Alberto Cecon, LCP

"Probing the Early Stages of Aggregation of polyQ-rich Huntington Exon 1 Protein by Solution NMR Spectroscopy"

Dr. Jaroslawnia Meister, LBC

"Clenbuterol Exerts Antidiabetic Activity Through Metabolic Reprogramming of Skeletal Muscle Cells"

END OF DAY1

Day 2: Friday, April 2nd

* All times are in Eastern Standard Time (EST)

8:30 - 10:10 AM

TALKS - SESSION III

Dr. Katie McJunkin, LCDB, Opening talk

"Shake Ya Tailfeather: C. elegans provides an evolutionary perspective on miRNA tailing"

Glenda Smerin, MDB

"Disruption of Gfi5 Signaling Decreases Pain Response in Mice"

Dr. Shannon Ohlemacher, LBC

"Discovery, Biosynthesis, and Self-resistance Mechanism of a Novel Polyhydroxylated Tetramic Acid Natural Product with Antimicrobial Activity"

Dr. Kathryn Lebold, LCP

"Modeling Protein-DNA Condensation with Coarse-Grained Models"

Dr. Amber Lockridge, LCMB

"O-GlcNAcase Regulates Lipid Utilization Through Carnitine-dependent Mitochondrial Uptake"

10:10 – 10:25 PM

Break

FACILITIES AND RESOURCES EXPO EVENT

10:25 AM - 11:25 AM

Expo oral presentations

NIDDK Advanced Mass Spectrometry Core

NIDDK Human Energy and Body Weight Regulation Core

NIH Toastmasters

NIH Green Labs Fair

NHLBI FACS core

NHLBI Biophysics Core Facility

NHLBI Advanced Imaging & Microscopy (AIM) Resource

NIH Office of Intramural Training and Education (OITE)

11:25 AM - 12:15 PM

Expo poster presentations

Day 2 – continued

12:15 – 1:00

Lunch Break

1:00 - 2:15 PM

POSTER SESSION II

2:15 – 2:30 PM

Break

2:30 - 3:30 PM

TALKS - SESSION IV

Dr. Anne Sumner, DEOB, [Opening talk](#)

"The Challenge of Undiagnosed Diabetes in Africa"

Dr. Fanjie Meng, LCP

"Heterogeneous Aggregation of Amyloid- β 42 from Single-molecule Spectroscopy"

Dr. Alexander Yang, DDB

"Does Severity of Liver Disease Change Moderate Sedation Decisions in Upper Endoscopy in Patients with Liver Disease?"

3:30 - 4:30 PM

Keynote Speaker II

Dr. Rommie Amaro, University of California San Diego

"Computational Microscopy of SARS-CoV-2"



"Computational microscopy of SARS-CoV-2"

Learn how atomic details of SARS-CoV-2 influence its recognition, other host cell interactions, or novel therapeutic design.

4:30 - 5:00 PM

Award Ceremony and Closing Remarks

Dr. Michael Krause, Scientific Director, NIDDK

END OF DAY2