

Poster Session I

Friday, July 7th, 2023 | 7:00-8:30 PM | Kokopelli Trail & Jack's Banquet

1. Keith Dodd

University of Colorado, Anschutz Medical Campus Relationship Between Functional Connectivity and Weight-Gain Risk of Antipsychotics in Schizophrenia

2. Kallen Schwark

University of Michigan

Clinical response to the PDGFRA inhibitor avapritinib in high-grade glioma patients

3. Leelabati Biswas

Rutgers University

The Genetics of Pregnancy Loss: Validating a Novel Predictive Biomarker of Egg Quality

4. Miguel Paredes

University of Washington

Early undetected dissemination across countries followed by extensive local transmission propelled spread of the 2022 mpox epidemic and limited the impact of vaccination

5. Karl Foley

University of Rochester

PP1B opposes classic PP1 function, inhibiting spine maturation and promoting LTP

6. Nate L. Overholtzer

USC-Caltech

Delay Discounting and Resting State Functional Brain Connectivity in Childhood Obesity

7. Tanner Martinez

University of Chicago

CUX1 levels control hematopoietic stem cell fate and plasticity



8. Razaq Durodoye

Case Western Reserve University

Evidence of potential natural selection in African Americans

9. Rebecca Rubinstein

University of North Carolina at Chapel Hill

Human milk oligosaccharides and Campylobacter jejuni infection risk in Nicaraguan children.

10. Hallie Gaitsch

Johns Hopkins University

Characterizing oligodendrocyte lineage cell dynamics during remyelination

11.Amanda McGann

University of Cincinnati

The effect of antagonism of miR-324-5p on epileptogenesis following intrahippocampal kainic acid injections in mice.

12. Nathan Calzadilla

University of Illinois Chicago

Preclinical study utilizing metabolomics in SERT knockout mice reveals novel therapeutic targets for intestinal inflammation

13. Giovanni Botten

The University of Texas Southwestern Medical Center

Structural Variation Cooperates with Permissive Chromatin to Control Enhancer Hijacking-Mediated Oncogenic Transcription

14. Peter Zhang

Medical College of Wisconsin

Covariate adjusted group sequential tests for survival probabilities

15. Brenda Seymour

University of Colorado

Bacterial indole is required for collagen-induced arthritis through enhanced Th17 immunity



16. Nicholas Ringelberg

University of North Carolina at Chapel Hill

Differential neuronal populations drive behavioral phenotypes in a mouse model of Angelman syndrome

17. Cameron Menezes

University of Texas at Southwestern

Determining the In Vivo Impact of Mitochondrial Energy Loss in the Liver

18. Kelsey Kines

University of Colorado

Age-associated changes in the mammary epithelium elucidate a role for SEMA7A in breast cancer.

19. Yi Fan Chen

Case Western Reserve University School of Medicine

Novel Class of XPO1 Modulators Enables Non-Toxic Therapeutic Targeting of T Cell Activation

20. Ashley Brown

Medical College of Wisconsin

PIM kinases are essential for CD8 T cell effector function and metabolism during chronic viral infection

21. David Broadbent

Michigan State University

Dissecting the Regulatory Mechanisms of Autophagosome Biogenesis

22. Grant Higerd-Rusli

Yale

Inflammation differentially controls transport of depolarizing Nav versus hyperpolarizing Kv channels to drive rat nociceptor activity

23. Marina Han

University of Washington

Photoconvertible fluorescent protein-tagged tau exhibits exceptional stability in a C. elegans model of tau proteostasis



24. Noah Gavil

University of Minnesota

Chronic antigen in solid tumors drives a distinct program of T cell residence

25. Matthew O'Neill

Vanderbilt University School of Medicine

Development of a Calibrated Multiplexed Assay to Facilitate the Clinical Interpretation of Putative Splice-altering Variants

26. Kieran Tebben

University of Maryland, Baltimore

Age and parasitemia explain most of the variation in host and parasite gene expression among Malian children infected with P. falciparum

27. Bayardo Garay

University of Minnesota Medical School

Dual inhibition of MAPK and PI3K/AKT pathways enhances maturation of human iPSC-derived cardiomyocytes

28. Emily Mendez

University of Texas Health Science Center at Houston/MD Anderson Cancer Center Cell-specific differential gene network regulation in opioid use disorder

29. Ashley Tetens

Johns Hopkins School of Medicine

Mapping of the DNA Methylome of DIPG Reveals Profound Stochasticity That is Responsive to Pharmacologic Modulation

30. Duncan Smart

Vanderbilt University School of Medicine

Immunophenotyping of leukocytes in human heart failure identifies coordinated pro-inflammatory response

31. Fathima Mohamed

University of Minnesota

Mitochondrial pyruvate carrier inhibition attenuates the germinal center reaction and treats murine chronic graft versus host disease



32. Brian Goldspiel

University of Pennsylvania
Elucidating the Roles of the Branched Chain Amino Acids in Macrophage Function

33. Dhruba Banerjee

University of California, Irvine

The Generation of Position Correlated Cells across Primary Sensory Cortices

34. Nathaniel Skillin

University of Colorado

Stiffness anisotropy coordinates supracellular contractility driving long-range myotube-ECM alignment

35.Yunli Chu

Vanderbilt University

Charting single cell signaling across acute myeloid leukemia phenotypic landscapes

36. Adrien Honcoop

University of Nebraska Medical Center

A Qualitative Exploration of COVID-19 Vaccine Hesitancy among Parents

37. Olivia Bednarski

Indiana University School of Medcine

Species-level analysis of stool bacteria in Ugandan children reveals association with clinical presentation of severe malaria.

38. Alice Chu

Michigan State University

Unravelling the role of TGF-β signaling on vascular proliferation in pulmonary arterial hypertension

39. Gunseli Wallace

University of Michigan

Auditory lipidomics, an approach to identify unique molecular effects of noise trauma

40. Yunyoung Kim

Renaissance School of Medicine at Stony Brook University

Colorectal cancer-associated mutations impair EphB1 kinase function



41. Uma Kantheti

University of Colorado Anschutz

Programmed death ligand 1 interactions in the regulation of dendritic cell migration

42. Gopika Senthil Kumar

Medical College of Wisconsin

Activation of Piezo-1 Prevents Human Microvascular Endothelial Dysfunction During Acute Inhibition of Ceramide Formation

43. Joyce Tran

University of California, San Diego

Investigation of Fmnl2 in Central Nervous System Development

44. Matthew Jotte

University of Chicago

Combined deficiency of chromosome 7 myeloid tumor suppressors enhances chemotherapy resistance

45. Dene Betz

UT Health Sciences Center San Antonio

Transcriptional analysis of regions undergoing post-stroke plasticity after photothrombotic stroke in mice

46.Simrita Deol

Northwestern University

Comparative evaluation of synthetic cytokines for enhancing production and performance of NK92 cell-based therapies

47.Chris Li

University of Miami Miller School of Medicine

Strategies to Attenuate the Indirect Alloimmune Response in Encapsulated Pancreatic Islet Transplantation

48. Sarita Deshpande

University of Chicago

Insights into Neural Network Behavior using 4D Entropy: A Novel Quantitative Metric of Network Activity



49.Jovanka Ravix

University of Miami Miller School of Medicine

BRCA2 haploinsufficiency driven neoplastic events in the fallopian tube epithelia

50. Ali Ranjbaran

Wayne State University

Single-cell profiling of transcriptional changes associated with neighborhood stress in immune cells of children with asthma

51. Maria Ortiz

SUNY Upstate Medical University

Assessing the role of Abi1 in allo- and autoimmune pathologies

52. Emily Jang

NYU

Cortical and thalamic engagement of cholinergic interneurons in nucleus accumbens core

53. Rebecca Slotkowski

University of Nebraska Medical Center

54. Olivia C. Smith

University of Minnesota

Interrogating sensing and alarm functions of resident memory T cells at the organismal level

55. Oygul Mirzalieva

Louisiana State University Health Sciences Center School of Medicine

The Role of Isg15 in Maintenance of Er-Mitochondrial Contacts and Calcium Transfer in Ataxia Telangiectasia

56. Nicole Ochandarena

University of North Carolina at Chapel Hill

Molecular architecture of opioid-sensitive neurons in the cerebral cortex

57.Kirsten Bredvik

Weill Cornell Tri-Institutional

Differential Control of Mitochondrial Metabolism in Excitatory and Inhibitory Nerve Terminals