

2026 Kern Lipid Conference – “Lipids and Lipoproteins in Cardiometabolic and Neurodegenerative Diseases”

MONDAY, AUGUST 10, 2026

Breakfast

7:00–8:00 AM

Welcome and Opening Kern Lecture

8:00–9:00 AM

Kathryn Moore, PhD, NYU

Topic: Cardiovascular disease, lipids, and inflammation

Session 1: Peripheral Lipids and Neurodegenerative Disease

9:00–10:45 AM

Cheryl Wellington, PhD, University of British Columbia

Topic: HDL, peripheral lipoproteins, and AD risk

Kimberley Bruce, PhD, University Colorado

Activating Lipoprotein Lipase with ApoC-II Mimetic Peptides

Ann Cohen, PhD, University of Pittsburgh

The ATN framework for Alzheimer’s disease staging: A role for vascular risk factors.

Coffee Break

10:45-11:00 AM

Session 2: Causative Factors in Hyperlipidemia

11:00-12:30 PM

Philipp Scherer, PhD, University of Texas Southwestern Medical Center

When Fat Cells Miscommunicate: Adipocyte Signaling in Hyperlipidemia

William Roell, PhD, Eli Lilly and Company

Topic: GIP/GLP-1/and glucagon regulation of lipid metabolism and focus on effects in adipose

Short Talk(s) Chosen from Abstracts or Award Talk

Lunch

12:30–1:30 PM

Afternoon Break / Optional Structured Activity

1:30–4 PM

Session 3: Advances in Lipoproteins

4:00–6:00 PM

John Melchior, PhD, Pacific Northwest National Laboratory
Topic: Brain-derived lipoproteins

Saskia Neher, PhD, University of North Carolina at Chapel Hill
Emerging Technologies Provide New Insight into Lipoprotein Metabolism

Short Talk(s) Chosen from Abstracts or Award Talk

Lightning Talks

6:00–6:30 PM

Poster Session & Reception

6:45–8:15 PM

TUESDAY, AUGUST 11, 2026

Breakfast

7:00–8:00 AM

Session 4: Lipid Signaling

8:00–9:45 AM

L. Ashley Cowart, PhD, Virginia Commonwealth University
Sphingolipids as metabolic modulators in health and disease

Saranna Fanning, PhD, Harvard Medical School
Approaching Parkinson's Disease as a Fatty Acid-opathy for Therapeutic Target Identification

Short Talk(s) Chosen from Abstracts or Award Talk

Coffee Break

9:45–10:15 AM

Session 5: Lipids and Immunometabolism

10:15–12:00 PM

Joseph Hill, MD, PhD, University of Texas Southwestern Medical Center
HFpEF: Malady, Model, Meta-inflammatory Mechanisms

Priyanka Narayan, PhD, NIDDK
Understanding Metabolic Mechanisms of APOE-Mediated Risk and Resilience for Neurodegenerative Disease

Short Talk(s) Chosen from Abstracts or Award Talk

Lunch

12:00–1:00 PM

Afternoon Break/Exhibition/Small Group Discussions

1:00–3:00 PM

Session 6: Emerging Technologies in Lipid Analysis and Imaging

3:00–5:00 PM

Eric Potma, PhD, University of California, Irvine
Topic: CARS lipid imaging

Lingyan Shi, PhD, University of California San Diego
Imaging Metabolic Re-wiring in aging and diseases with SuMMIT-SRS

Kayla Sprenger, PhD, University of Colorado, Boulder
Resolving Apolipoprotein–Receptor Interactions in Neurodegeneration through Multiscale Molecular Dynamics

Lipotype-sponsored short talk:

Christian Klose, PhD, Lipotype

Short Talk(s) Chosen from Abstracts or Award Talk

Dinner

6:00–9:00 PM

WEDNESDAY, AUGUST 12, 2026

Breakfast

7:00–8:00 AM

Presentation of the Franz Simon Poster Award

8:00-8:10 AM

Session 7: ApoE and Apolipoproteins

8:10– 10:10 AM

Lance Johnson, PhD, University of Kentucky
APOE, PLIN2 and Lipid Droplet Dynamics in Alzheimer's Disease

Alice Chen-Plotkin, MD, University of Pennsylvania
ApoA1 interacts with alpha-synuclein, modulating the development of Parkinson's disease pathology

Ali Javaheri, MD, PhD, Washington University School of Medicine
Topic: ApoM in doxorubicin-induced cardiomyopathy

Short Talk(s) Chosen from Abstracts or Award Talk

Coffee Break

10:10–10:25 AM

Session 8: Lipid Droplets and Lipophagy

10:25– 11:40 AM

Zoltan Arany, MD, PhD, University of Pennsylvania
Topic: Lipid droplets and lipid metabolism in cardiovascular disease

Michael Haney, PhD, University of Pennsylvania
APOE4/4 is linked to damaging lipid droplets in Alzheimer's disease microglia

Short Talk(s) Chosen from Abstracts or Award Talk

Closing Remarks and Closing Kern Lecture

11:40- 12:35

Robert Farese, MD, Memorial Sloan Kettering Cancer Center
Topic: Lipid droplet biology