8:30 am  Registration with light breakfast and coffee

9:25 am  Welcome address
Cholsoon Jang, University of California, Irvine

Session I: Lipid metabolism
Moderated by Danielle Schmitt, University of California, Los Angeles

9:30 am  MEF2C regulates NK cell effector function and lipid metabolism
Joey Li, University of California, Los Angeles

9:45 am  Connecting lysosomal cholesterol transport to p53-deficient cancer growth through PI5P4K signaling
Ryan Loughran, Sanford Burnham Prebys

10:00 am  The inter-organelle crosstalk in hepatic lipid metabolism
Madelaine Brearley-Sholto, University of California, Los Angeles

10:15 am  Role for intestinal Neurokinin 2 receptors in regulating enterocyte lipid droplets
Pedro Perez, Scripps Research

10:30 am  Coffee break

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Session II: Aging and developmental metabolism
*Moderated by Kevin Tharp, Sanford Burnham Prebys*

10:50 am  Deciphering age-related changes in hepatocyte identity: Insights into metabolic dysfunction-associated steatotic liver disease
*Jessica Proulx, Sanford Burnham Prebys*

11:05 am  A metabolic atlas of aging
*Steven Pilley, University of Southern California*

11:20 am  A metabolic atlas during cortical development
*Jessenya Mil, University of California, Los Angeles*

11:35 am  Orbitrap-based SQUAD metabolomics analysis applied to organ specific fuel rewiring
*Dominique Figueroa, Thermo Fisher Scientific*

11:50 pm  Lunch and Poster Session I

Session III: Cancer metabolism
*Moderated by Christopher Halbrook, University of California, Irvine*

1:20 pm  Spatial and temporal mapping of mitochondrial networks and bioenergetics in lung cancer
*Minqi Han, University of California, Los Angeles*
1:35 pm  Targeting Golgi pH in pancreatic cancer  
Cheska Marie Galapate, Sanford Burnham Prebys

1:50 pm  Targeting serine metabolism sensitizes glioblastoma to radiation therapy  
Justine Bailleul, University of California, Los Angeles

2:05 pm  Autophagy inhibition leads to an acquired dependence on pyrimidine synthesis and provides therapeutic vulnerability in PDAC  
Suzanne Dufresne, Salk Institute

2:20 pm  Coffee break

Session IV: Energy metabolism and the microbiome  
Moderated by Thomas Martinez, University of California, Irvine

2:40 pm  Circulating glycerate predicts resilience to fructose-induced hepatic steatosis  
Cuauhtemoc Ramirez, University of California, Irvine

2:55 pm  A PTER-dependent pathway of secondary taurine metabolism linked to energy balance  
Wei Wei, Stanford University

3:10 pm  Microbiome drug metabolism  
Yasmine Alam, University of California, Irvine
3:25 pm  Hepatoglobin-related protein’s new role as an insulin pathway enhancer  
Carlos Viesi, University of California, Irvine

3:40 pm  Coffee break

**Session V: Keynote Presentation**  
*Moderated by Brooke Emerling, Sanford Burnham Prebys*

4:00 pm  Redirecting cellular traffic to treat cancer and obesity  
Aimee Edinger, University of California, Irvine

4:55 pm  Closing Remarks  
Peter Mullen, University of Southern California

5:00 pm  Happy Hour and Poster Session II

6:30 pm  Depart

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