Presented by Sanford Burnham Prebys, UCI, and USC

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

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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*

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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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