



The 27th Annual Nutrition & Metabolism Poster Session 2025

	Presenter	Research Group	Poster Title
1	Alex Telma	Yen	The Tissue Specific Roles of FXR in the Pancreatic Islets during Diabetes
2	Andrew Tu	Yen	The Effect of Intestinal Lipid Metabolism on the Microbiome
3	Anshit Singh	Rhoads	RNA Processing as a potential mediator of mitochondrial metabolism
4	A Kuchnia Lab	Kuchnia	CT muscle density measures differ based on methodology used: a call for consistency
5	B Olson Lab	Olson	-Pilot Testing of a Revised Instrument for Assessing Workplace Lactation Support -Interviews with Human Resource Managers on the Provision of Workplace Lactation Support
6	Brittney Kokinos	Crenshaw	Quantification and Characterization of Femoral Irregular Physeal Lesions in the Hypovitaminosis-D Swine Model of Osteochondrosis-like Lesions
7	Camila Souza	Tanumihardjo	Vitamin A Absorption From Bouillon Fortified With Novel and Commercially Available Dry Vitamin A Formulations in Adult Women: Protocol for a Randomized Crossover Study
8	Crystal Qing	Leone	Bile Acid as Link to Diet and Microbe-driven Metabolic Liver Disease
9	Eileen Sember	Meyer	Immune Cell Production of Calcitriol Regulates Severity of Chemically Induced Ulcerative Colitis
10	Elizabeth Poad	Parks	Cobalamin metabolism in adipocyte differentiation: Investigating Mmadhc as a genetic modifier of Pparg.
11	Eric McGregor	Anderson	Reversal of neuronal tau pathology via adiponectin receptor activation
12	Fan Xiao	Lamming	Sex- and Strain-Specific Roles of FGF21 in Modulating Metabolic Responses to Isoleucine Restriction in Mice
13	Hannah Larson	Meyer	Impacts of vitamin D supplementation and nonrenal calcitriol production on atherosclerotic plaque formation
14	Heather Emery	Rey	Determining the influence of the gut microbiome on uric acid levels under different diets
15	Hoang Bui	Galmozzi	Dissecting the Heterogeneity of Adipocyte Progenitors in White and Brown Depots
16	Hubert Peng	Yen	Long-chain acylcarnitines modulate intestinal stem cell functions
17	Jack Williams	Chaudhari	LC/MS profiling of one-carbon metabolism reveals early triggers of MASH
18	Jake Hermanson	Leone	Dietary cholesterol-induced microbes trigger antigen-specific immune responses in the development of Metabolic dysfunction-associated steatohepatitis
19	Juyeong Cho	Chaudhari	A Gut-Bacterial Metabolite of Methotrexate Improves Intestinal Health and Mitochondrial Function
20	Kate Lauer	Funk	Performance of Machine Learning Weight Gain Prediction Models Using Electronic Health Record and Survey Data
21	Kevin Shih	Bolling	Assessing Choline Bioavailability and Metabolism from a New Dairy Ingredient (WPPC) for Post-Menopausal Women: A Randomized Control Trial
22	Lauren Clark	Attie	Inhibition of Hsp90 Promotes Insulin Secretion
23	Lauren Lucas	Rey	Systematic Investigation of Bile Salt Hydrolase Activity in Human Gut Bacteria Reveals Production of Conjugated Secondary Bile Acids
24	Maria del Carmen Mendoza	Blum	Understanding the Connection Between Down Syndrome and Diabetes: Insights into Insulin Secretion and Glucose Dysregulation
25	Mark Heggen	van Pijkeren	(p)ppGpp Promotes Gut Fitness by Mediating Resistance to an Antimicrobial Secondary Metabolite

26	Md Amran Gazi	Leone	Role of oxidation products of cholesterol and gut microbiota in complex liver diseases
27	Molly Mulcahy	Davis	Hyperglycemic stress induces cholecystokinin expression in mouse islets
28	Morgan Smith	van Pijkeren	Identification and characterization of sugar-regulated promoters in <i>Limosilactobacillus reuteri</i>
29	Nate Willis	Pierre	Cyclic infusion mitigates liver dysfunction associated with continuous parenteral nutrition in mice
30	Odette Herrand	Drummond-Barbosa	Why do flies love yeast? A screen to identify <i>Saccharomyces cerevisiae</i> factors that stimulate <i>Drosophila melanogaster</i> oogenesis
31	Sam Saghafi	Davis	Low Protein Diet Potentiates Weight Loss Following Vertical Sleeve Gastrectomy
32	Seong Min Lee	Meyer	Kidney-specific deletion of Cyp27b1 fails to reduce circulating calcitriol
33	Shawn Portwood	Pierre	Kefir M.E.N.D. MODULATING ENTERIC & NEUROIMMUNE DYSFUNCTION
34	Siyu Song	Yen	Physiological Function of Peroxisomes in the Intestines
35	Teresa Jing	Simcox	Discovering new regulation of plasma acylcarnitine through CRISPR-Cas9-based genetic screen
36	Vaibhav Vemuganti	Rey	Gut bacteria derived imidazole propionate potentiates Alzheimer's disease
37	Yutong Bao	Galmozzi	Investigating the role of adipose tissue Phosphoenolpyruvate Carboxykinase 1 (PCK1) in systemic lipid homeostasis
38	A Kuchnia Lab	Kuchnia	Heart Transplant Success Predicted by Computed Tomography Measures of Skeletal Muscle

