

No.	Author	Affiliation	Poster Title
1	Matthew Tippin	UC Riverside	Molecular basis of LONP1 binding to DNA
2	Soon-Gook Hong	UCLA	LPCAT3 supports endothelial cell homeostasis
3	Ziwei She	Dartmouth College	Actin-dependent glycolytic activation downstream of mitochondrial damage: identification of the actin-activated glycolytic step
4	Galih Haribowo	Gladstone Institutes/UCSF	Oxygen toxicity causes cyclic damage by destabilizing specific Fe-S cluster-containing protein complexes
5	Frieda Kage	Dartmouth College	A novel protein interaction between INF2 and VAP implicated in ER-mitochondria functions
6	Michael D. Guile	UCLA	Delivery of exogenous Coenzyme Q to mitochondria in <i>Saccharomyces cerevisiae</i> relies on the dynamin Vps1 and autophagic machinery
7	Jennifer Ngo	UCLA	Mitochondrial elongation protects against fibrosis of proximal tubule cells
8	Jennifer Ngo	UCLA	Mitochondrial morphology controls fatty acid utilization by changing CPT1 sensitivity to malonyl-CoA
9	Xinxin Chen	University of Virginia	SEL1L-HRD1 ERAD and autophagy synergistically maintain mitochondrial homeostasis in BAT
10	Cathy Hou	Stanford University	Visualizing mitochondria under various biochemical conditions with cryogenic electron tomography
11	Ushodaya Mattam	University of Cincinnati	Hepatic Lipid droplet associated mitochondria is bioenergetically active but compromised for fatty acid oxidation in nonalcoholic steatohepatitis.
12	Valerie Lisnyak	Monash University	Reaching beyond the mitochondrial fold: Interactome mining of the MICOS from different tissues
13	Sukrut C. Kamerkar	Dartmouth College	Multifaceted role of LACTB in mitochondria and lipid droplet dynamics
14	Durba Banerjee	University of Washington	Mitochondrial uptake by macrophages alters cell function.
15	Laura E. Kropp	Stealth BioTherapeutics	Cytoprotection by the novel compound SBT-588 across models of Leigh syndrome
16	Naresh Babu V. Sepuri	University of Hyderabad	Lipid associated mitochondria promotes fatty acid oxidation through a distinct bioenergetic pattern to ameliorate NAFLD
17	Alyssa Vadovsky	Michigan State University	Sexual dimorphism of calcium homeostasis in isolated cardiac mitochondria
18	Ethan L. Ostrom	University of Washington	Inducible SOD2 knockdown impairs mitochondrial pyruvate oxidation and OxPhos capacity by reversible oxidative post translational modification in mouse skeletal muscle
19	Laurent Vergnes	UCLA	Sex differences in adipose mitochondrial activity in sedentary and exercised mice
20	Pau B. Esparza-Moltó	Salk Institute for Biological Studies	Location matters: glycolytic enzymes go to mitochondria upon oxidative stress
21	Sean Atamedede	UCLA	A role for SLC25A46 in mediating mitochondrial dynamics and protein quality control
22	Panagiota Kolitsida	UCLA	Control of calcium efflux from mitochondria by Mfn2 and its possible relevance for a peripheral neuropathy
23	Miriam Lee	Dartmouth College	Regulatory mechanism of formin INF2 by Transgelin
24	Noelle Alexa Novales	UCLA	Investigation of the endoplasmic reticulum-mitochondria encounter structure (ERMES) as a regulator of CoQ biosynthesis
25	Alexandra Brownstein	UCLA	Mitochondria isolated from lipid droplets in WAT reveal functional differences based on lipid droplet size
26	Mingqi Han	UCLA	Spatial and temporal mapping of mitochondrial networks and bioenergetics in lung cancer
27	Amy Rios	UCLA	Unraveling the role of angiotensin converting enzyme (ACE) in macrophage metabolism
28	Lisa Eshun-Wilson	The Scripps Research Institute	Structural snapshots of AAA+ protease YME1 reveal substrate-free ADP-bound states that are proteolytically inactive
29	Sen Yang	Indiana University Bloomington	NMNAT2 links bioenergetics and proteostasis in cortical glutamatergic neurons
30	Dongqiang Yuan	City of Hope	Regulation of nuclear transcription by mitochondrial RNA
31	Marko Kostic	UCLA	Mitochondrial ATP hydrolysis is linked to impaired mitophagy in aging
32	Jordan Tibbs	UCLA	Developing mammalian cell model system for identifying small molecule modulators of mitochondrial protein import in the context of PH1
33	Albert Macias	UCLA	Characterizing the NAD Metabolism of Senescent Macrophages
34	Kaitlyn Nguyen	UCLA	Evaluating the role of nitric oxide in macrophage metabolism and the pro-inflammatory response
35	Ritam Naha	Heinrich Heine University	The "Seedler Model" of MICOS assembly: MIC13 and SLP2 seeds the assembly of MIC60-subcomplex to promote crista junction formation
36	Ivan A. Salladay-Perez	UCLA	Pro-inflammatory macrophage memory as a source of immune metabolic dysfunction
37	Ayush D. Midha	UCSF/Gladstone Institutes	Physiological adaptation to hypoxia involves organ-specific rewiring of glucose and fatty acid metabolism
38	Ao Liu	Dartmouth College	Mid49/51 function as long-chain fatty acyl-coenzyme A sensors on mitochondria to activate Drp1
39	Laura Hulea	University of Montreal, Canada	Targeting resistance to cancer therapy through translational control of metabolism
40	Tim Shutt	University of Calgary	Characterization of the Q367H MFN2 variant from a patient with distal myopathy reveals a novel disease mechanism via mtDNA/TLR9-mediated inflammation.
41	Chiara La Morgia	IRCCS, University of Bologna	New insights into idebenone therapy in relation to NQO1
42	Doyeon Kim-Vasquez	UCLA	Development of a cell free model of mitochondria-lipid droplet attachment and detachment identifies signals that detach mitochondria from lipid-droplets
43	Vaibhav Sidarala	University of Michigan	Glucose stimulation activates mitochondrial dynamics in pancreatic β -cells.
44	Alena Ziková	Biology Centre, Czech Academy of Sciences	FoF1-ATP synthase: when it pays to go reverse
45	Kavit Raval	UCLA	Mitoribosomes and genes encoding mitochondrial respiration represent major phenotypic interface of b-cell fitness in diabetes
46	Jeffrey Hablewitz	UCLA	Mitochondrial calcium concentration is an important mediator of mitochondria-lipid droplet Detachment
47	Corey Osto	UCLA	Saliva as a non-invasive sampling biomarker to measure mitochondrial respirometry in humans
48	Jason Bazil	Michigan State University	Calcium overload, cristae remodeling, and oxidative phosphorylation impairment
49	Katarzyna Goljanek-Whysall	University of Galway	Novel variants in ATP6V0a1 are associated with dysfunction of autophagy, nutrient sensing and mitochondria in skeletal muscle
50	Ricardo Aparicio	UCLA	Examining the role of cytosolic mtDNA during <i>Drosophila</i> aging
51	Ivy Xiong	UCLA	Sexual dimorphism in renal metabolism, hemodynamics and diseases
52	Eugene Yu-Chuan Kang	Columbia University Irving Medical Center	Mitochondrial dysfunction in retinal degeneration-a pilot study based on the model of inherited optic atrophy
53	Emily Walker	University of Michigan	Loss of the mitochondrial inorganic phosphate transporter impairs β cell glucose-stimulated insulin secretion despite a maintenance of ATP levels.
54	Andrea Estes	UCLA	Novel small-molecule improves mitochondrial function and mitophagy in a complex III deficiency model
55	María Teresa Castromonte	MitoCare, Thomas Jefferson University	Ca 2+ signaling in cancer: learning from Uveal Melanoma
56	Arijita Ghosh	Thomas Jefferson University	Investigating the role of IP3receptors in Non-alcoholic fatty liver disease induced changes in hepatic ER-mitochondria contacts
57	Linlin Zhao	UC Riverside	Novel functions of mitochondrial transcription factor A in damaged mitochondrial DNA turnover
58	Haoming Wang	UCSD	Glycolytic metabolon assembly on mitochondria via O-GlcNAcylation
59	Joseph M. Hoolachan	City of Hope	Is STX4 the next contender in lipotoxic-stressed skeletal muscle mitophagy?
60	Iman Gauhar	UCLA	Imaging mitochondrial cristae in live cellular models of mitochondrial diseases
61	Gargi Mahapatra	UCSD	Peripheral blood mononuclear cells from older adults exhibit sex-associated Differences in mitochondrial function
62	Yasemin Sancak	University of Washington	Mitochondrial calcium signaling regulates branched chain amino acid catabolism in fibrolamellar carcinoma
63	Gabriel Sturm	UCSF	Mitochondrial Pearling: an emerging class of mitochondrial dynamics
64	Matthew Krieger	UCLA	Characterizing the role of polynucleotide phosphorylase in mitochondrial double-stranded RNA (mtdsRNA) escape and elicitation of the innate immune response
65	Geming Lu	City of Hope	Myc inhibition impairs pancreatic β -cell function, identity, and mitochondrial bioenergetics while enhances mitophagy markers
66	Matthew Donnelly	Salk Institute	Molecular mechanism of oxidative mitohormesis in heart
67	Sagnika Ghosh	Salk Institute	Regulation of mitochondrial respiration by interferon stimulated gene-15 (ISG15) in melanoma
68	Ashwaq Yehya	UCLA	Mitochondrial stress in the gut epithelium of mice overexpressing α -Synuclein
69	Jasmine Gasilla	UCLA	PCR-based enrichment methods bias detection and characterization of mitochondrial DNA deletions using long-read sequencing
70	Kelsey Feustel	UCLA	Disentangling the MDM12-COQ10 relationship: a reassessment of the roles of Coq10 and the ER-Mitochondrial Encounter Structure (ERMES) in Coenzyme Q (CoQ) biosynthesis
71	Celeste Medina-Seymour	UCLA	Exploring the effect of dimerization on the activity of COQ5, a C-methyltransferase in coenzyme Q biosynthesis
72	Cindy Wang	UCLA	Mutating substrate-binding residues in a promiscuous enzyme – the case of COQ5, a C-methyltransferase in coenzyme Q biosynthesis
73	Wenting Dai	City of Hope	FASN-deficiency induces a cytosol-to-mitochondria citrate flux to mitigate detachment-induced oxidative stress
74	Katherine Espinoza	UCLA	Structural remodeling of microglial mitochondria across brain regions and developmental stages
75	Ari Schaler	UCLA	Mapping the mitochondrial landscape in microglia during aging and models of PD
76	Sarah Shemtov	UCLA	Selective removal of deleterious mtDNA mutations from mammalian cells
77	Nico Marx	University of Münster	Unveiling the Complex problem with Mdivi-1
78	Ross Steinberg	USC	Alcohol intake disproportionately effects specific hepatic mitochondrial subpopulations
79	Shane Kennedy	UC Riverside	Dexamethasone impairs mitochondrial function in trabecular meshwork cells
80	Hisashi Ota	LUCA Science	Storable mitochondria organelle complex – structural integrity, incorporation into cell and energy production -
81	Serena Z. Huang	UCLA	Can calcium stand in as an alternative mechanism for thermogenesis?
82	Casandra G Chamorro	UCLA	Alternative of UCP1-dependent thermogenesis in brown and beige adipocytes under cold adaptation
83	Irene Liparulo	UC Berkley	Brown adipose tissue CoQ deficiency reshapes mitochondrial morphology and activates the ISR.
84	Audrey Omidshar	USC	Mitochondrial deletions in RNA-Seq: methodological considerations and analyses of aging, tissues, brain Regions and cortical layers
85	Talia Beglarian	USC	Mitochondrial DNA deletions and copy number in whole genome sequencing (WGS) data: analyses of cortical/cerebellar aging and Parkinson's disease effects
86	Alexander J Sercel	Mitoworld	MitochondriaWorld: a new web platform to organize and promote the global mitochondrial research community
87	Surya Dham	UCLA	Isolation and processing of salivary PBMCs as a biomarker for mitochondrial respiration in humans
88	Belle Henry-Kanarek	University of Michigan	LRRK2 promotes β cell apoptosis following inflammatory damage
89	Hovsep Herayer Sultanian	UCLA	Unraveling the link between ATP hydrolysis and mitochondrial dynamics in progeria through the influence of (+)-epicatechin
90	Jack Devine	Columbia University	Individualized multi-tissue mitochondrial distribution patterns in mice and humans
91	Anna Sophia Monzel	Columbia University	Mapping human mitochondrial diversity and dynamics in human tissues and aging cells
92	Jocelyn Diane Rodriguez	UCLA	HSP75 inhibition as a therapeutic target for lung squamous cell carcinoma
93	Sachin Pathuri	UCLA	The role of Ca2+ in UCP1-independent thermogenesis in beige and brown fat
94	Madeleine G. Milner	UCLA	Redox regulation of proton transport through the ADP/ATP carrier
95	Janell Smith	Columbia University	Mitochondria modulation of intercellular communication and bioenergetic response to adrenergic stress signaling in primary human fibroblasts
96	Timothy Locke	University of Washington	High-throughput identification of calcium regulated proteins across diverse proteomes
97	Rekha Balakrishnan	City of Hope	PAK1-enriched skeletal muscle promotes islet β -cell insulin secretion
98	Sean D. Reardon	UCSD	In-vitro investigations into post-translational control of mitochondrial gene expression
99	Camille Pataki	Eikon Therapeutics	Machine-Learning-derived pixel-wise cell health score for high-throughput Single Molecule Tracking imaging
100	Gunjan Purohit	University of Nebraska	LACTB deletion alters mitochondrial metabolism and impacts intermembrane contacts
101	Ugochukwu Ihenacho	Medical College of Wisconsin	A conserved SKY insert restricts human Fis1's mitochondrial fission functions.
102	Sebastian Kreimendahl	UCLA	A hunt for mitochondrial restrictors ox <i>Toxoplasma</i> growth
103	Alex Napior	UCLA	Interplay between mitochondrial ATP synthase reverse activity and cristae architecture
104	Zachary Whiddon /Natasha Carlson	UCSD	Neuronal activity-driven O-GlcNAcylation promotes mitochondrial plasticity
105	Joanne Garbincius	Temple University	TMEM65 regulates NCLX-dependent mitochondrial calcium efflux
106	Rebeca Acin-Perez	CNIC, Madrid	Inhibition of ATP-synthase reverse-activity restores energy homeostasis in mitochondrial pathologies
107	Robert Musci	HHSC, LMU	Lower mitochondrial genome turnover and greater mutation frequency in skeletal muscle of aged compared to adult OKC-HET rats