Poster Session Abstracts

Board #	Presenter	Title
1	Ahmad, Faiyaz	In PDE3B KO Mice, White Epididymal Adipose Tissue (WAT) Exhibits Phenotypic Characteristics of "Fat-burning" Brown Adipose Tissue (BAT), with Reduced Expression of Pro-inflammatory Markers including the NLRP3 Inflammasome
2	Akimov, E.B.	Brown Adipose Tissue and Aerobic Performance of Athletes
3	Ben-Sasson, Shmuel	In Vivo Remodeling of White Adipose Tissue into Brown-like Adipose Tissue, via a Novel Small-Molecule Drug-Candidate
4	Blondin, Denis*	Acute Cold Exposure Elicits Increases in BAT Oxidative Metabolism in Individuals with Type 2 Diabetes
5	Broeders, Evie PM	Brown Adipose Tissue Activity and Thyroid Hormone in Adult Humans
6	Chechi, Kanta	Characterization of the Epicardial Adipose Tissue Nature in Humans and Rodents
7	Chechi, Kanta for Labbe, Sebastian M.	Use of Positron Emission Tomography (PET) Tracers to Assess Brown Adipose Tissue (BAT) Metabolism in Cold-adapted, Cold-exposed Rats
8	Chondronikola, Maria*	Brown Adipose Tissue Improves Glucose Metabolism and Whole Body Insulin Sensitivity in Humans
9	Cooper, Daniel E.	GPAT4 Regulates the Metabolism of Glucose and Fatty Acid in BAT
10	Crandall, John	Passive Microwave Radiometry for the Non-invasive Detection of Human Brown Fat: First Human Studies with Direct Correlation to FDG/PET
11	Cypess, Aaron M.	Mild Intermittent Cooling of Mice is Sufficient to Increase the Thermogenic Capacity of the Adipose Tissue Depots
12	Dai, Ning	The Function of IMP2 in Nutrient Metabolism
13	Deng, Jie	Characterization of Brown Adipose Tissues using MRI in the Pediatric Population – a Pilot Study
14	Friesen-Waldner, Lanette J.*	Imaging of Brown Fat Metabolism Using Hyperpolarised Carbon-13 MRI
15	Gifford, Aliya	Fat-Water MRI Properties of Brown Adipose Tissue in Adult Humans Using Automated Depot Segmentation Based on Cold-Activated and Thermoneutral PET-CT
16	Guirguis, Emilia	Remodeling of White Fat by PPARgamma Deacetylation Acquisition of Brown Fat Characteristics by White Adipose Tissue in Phosphodiesterase 3B Knockout Mice: Genetic Background Matters
17	Hanssen, Mark#	Fasting-induced Insulin Resistance Reducses Brown Adipose Tissue Activity
18	Harris, Jacqueline	Feasibility of Brown Adipose Tissue Histology Co-registration with 3D Whole Mouse MR Images
19	Hartig, Sean M.	UBC9 is a PPARγ Rheostat that Mediates Browning in Human Adipocytes
20	Hiraike, Yuta	Genome-wide Profiling of Brown Fat-Specific Open Regulatory Regions Identifies NFIA as a Transcriptional Regulator of Brown Fat-Muscle Cell Lineage Specification

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21	Hung, Chien-Min[#]	mTORC2 Facilitates Brown Adipocyte Differentiation by Suppressing PDGFR Signaling and Promoting SREBP1c Activity
22	Hwang, Janice[#]	Imaging Brown Fat in Humans with [11C] MRB, a Selective Norepinephrine Transporter PET Ligand
23	Kayahara, Takashi	Activation and Recruitment of Brown Adipose Tissue by TRPV1 Agonists in Humans
24	Kim, Mimi S.	Brown Adipose Tissue is Present in Human Newborns with Congenital Hypothyroidism Secondary to Athyreosis
25	Kolonin, Mikhail*	Peptide Probes for Targeted Brown Adipose Tissue Imaging
26	Lee, Sean Bong	A Multifunctional Protein EWS is Essential for Early Classical Brown Fat Lineage Determination
27	Martin, Sandra L.*	Brown Fat Dynamics: Elucidation of Molecular Drivers Based on the Innate Expertise of a Hibernator
28	McCurdy, Colin M.	Interscapular Brown Adipose Tissue and Adipose Distribution in Magnetic Resonance Images of Mice
29	McDonald, Meghan	Chronic BMP7 Administration Reduces Body Weight, Improves Insulin Sensitivity and Induces a Thermogenic Gene Expression Program in the Inguinal WAT of C57/BL/6J Mice
30	Mepani, Rina	Molecular and Functional Characterization of Adult Human Bat Derived from Supraclavicular Tissue
31	Periasamy, Muthu*	Does Sarcolipin and Muscle Based Thermogenesis Compensate in BAT Deficient Mammals?
32	Phillips, Kevin J.	Thyroid Hormone Receptor Agonists Elicit a Functional Conversion of White to Brown Fat
33	Qiang, Li	Remodeling of White Fat by PPARgamma Deacetylation
34	Raje, Vidisha[#]	Role of Tyk2 in Regulating Energy Expenditure and Preventing Obesity
35	Ran, Chongzhao	Curcumin Analogues as in vivo Fluorescence Imaging Probes for Brown Adipose Tissue and Monitoring Browning
36	Ran, Chongzhao	In Vivo Optical Imaging of Interscapular Brown Adipose Tissue with 18F-FDG via Cerenkov Luminescence Imaging
37	Rasmussen, Jerod M.	BAT Quantification Reliability in Human Neonates Using Water-Fat Separated MRI
38	Rasmussen, Jerod M.[#]	Changes in BAT Composition from Birth Through 12 Months of Age in Human Infants: Preliminary Observations
39	Sharma, Ankur	Brown Fat Differentiation from Muscle Precursor Cells by novel Action of BMP6
40	Sinclair, Kevin J.	Detection of Brown Adipose Tissue in Guinea Pig Fetuses using MRI
41	Sonkin, V.D.	Human Brown Adipose Tissue Function during Muscular Work
42	Stahl, Andreas*	Autologous Matrix Assisted Cell Transplantation as a Strategy For The Expansion of Human BAT

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43	Stauffer, Paul	Non-Invasive Microwave Radiometry for Long Term Monitoring of hBAT Metabolism to Assess the Effect of Therapeutic Interventions
44	Szentirmai, Eva*	Brown Adipose Tissue and Sleep Regulation
45	Unger, T. J.	The Selective RORγ Inverse Agonist, SR1555, Improves Body Weight and Metabolic Readouts in Diet-Induced Obese Mice
46	Van Der Lans, Anouk A.	Human Brown Adipose Tissue Recruitment
47	Yoneshiro, Takeshi	Contribution of Brown Adipose Tissue to the Regulation of Energy Expenditure in Healthy Men

*Abstract chosen for a Hot Topic talk

#Abstract chosen for a Travel Award