

Seahorse Travel Awards

Awards for Poster Presentations:

Bioenergetics changes induced by hydrogen peroxide exposure in endothelial cells.

Gloria A. Benavides, University of Alabama at Birmingham and Seahorse Bioscience
Society for Free Radical Biology's 16th Annual Meeting
November 18-22, 2009, San Diego, California

4-Hydroxy-2-Nonenal Alters Cellular Bioenergetics in Vascular Smooth Muscle Cells.

Blake R. Zelickson¹, University of Alabama at Birmingham
Society for Free Radical Biology's 16th Annual Meeting
November 18-22, 2009, San Diego, California

Glucose availability modulates mitochondrial sources of NADPH in skeletal muscle cells: Implications for oxidative stress.

Ryan J. Mailloux, University of Ottawa
Charleston Conference on Mitochondrial Physiology and Pathobiology
November 16, 2009, Isle of Palms, North Carolina

Mitochondrial function is impaired in an ATP13A2-deficient model of Parkinson's Disease.

Aaron Gudson, University of Pittsburgh School of Medicine
Charleston Conference on Mitochondrial Physiology and Pathobiology
November 16, 2009; Isle of Palms, North Carolina

Novel islet respirometry assay reveals high levels of uncoupled respiration in islets.

Jakob D Wikstrom, Boston University School of Medicine
Charleston Conference on Mitochondrial Physiology and Pathobiology
November 16, 2009, Isle of Palms, North Carolina

Cells addicted to BCL-XL accumulate succinate via pyruvate carboxylase metabolism and glutaminolysis.

Daciana Margineantu, Fred Hutchinson Cancer Research Center
AACR Metabolism & Cancer Conference
September 13-16, 2009; La Jolla, CA

Estrogen increases maximal respiratory capacity of neuronal and glia mitochondria as well as basal respiration in glia: Involvement of both ERbeta and ERalpha.

Jia Yao, University of Southern California
Society For Neuroscience 2009 Annual Meeting
October 17-21, 2009; Chicago, Illinois

Testing modulators of uncoupling protein (UCP) function in intact HEK293 cells using plate-based respirometry and membrane potential sensitive fluorescent probes.

Martin Jastroch, Buck Institute for Age Research
Molecular & Cellular Bioenergetics Gordon Research Conference
June 10, 2009; Andover, NH

β-Adrenergic and cAMP-Stimulated Mitochondrial Uncoupling in Human Adipocytes

Einav Yehuda-Schnaidman, Naresh Kumar, Ben Buehrer, Sheila Collins, Hamner Institute
69th Scientific Sessions of the American Diabetes Association
June 5-9, 2009; New Orleans, Louisiana

Direct measurement of bioenergetic stress in cardiomyocytes exposed to hydrogen peroxide and protection by O-GlcNAc

Brian P. Dranka, Bradford G. Hill, Luyun Zou, John C. Chatham, and Victor M. Darley-Usmar, University of Alabama at Birmingham
Society for Free Radical Biology's 15th Annual Meeting
November 16-26, 2008, Indianapolis, Indiana

The homeobox protein Prox1 is a negative modulator of ERRα/PGC-1α bioenergetic functions

Alexis Charest-Marcotte, Catherine R. Dufour, Brian J. Wilson, Annie M. Tremblay, Lillian J. Eichner, Daniel H. Arlow, Vamsi K. Mootha and Vincent Giguère, McGill University and Massachusetts General Hospital and Broad Institute
Nuclear Receptor: Development, Physiology and Disease Conference
March 21-26, 2010. Keystone, Colorado

Seahorse Travel Awards

Awards for Podium Presentations:

A Model for Pancreatic Beta Cell Mitochondrial Dysfunction Exhibits Dramatic Obesity and Diabetes.

Anthony Molina, Boston University
Obesity Society 27th Annual Scientific Meeting
October 27, 2009; Washington DC

Loss of mitochondrial fusion protein in the beta-cell leads to diabetes, obesity, and islet hyperplasias.

Anthony Molina, Boston University
69th Scientific Sessions of the American Diabetes Association
June 5-9, 2009; New Orleans, Louisiana

Mitofusin 2 in Beta Cell Function In Vivo.

Linsey Stiles, Boston University
Boston-Ithaca Islet Meeting
May 9-10, 2009; Sturbridge, Massachusetts

Direct measurement of bioenergetic stress in cardiomyocytes exposed to hydrogen peroxide and protection by O-GlcNAc.

Brian Dranka, PhD, U. Alabama at Birmingham
Society for Free Radical Biology's 15th Annual Meeting
November 19-23, 2008; Indianapolis, Indiana

Control of B cell activation and metabolism by the voltage-gated proton channel HVCN1

Melania Capasso, MRC Toxicology Unit, University of Leicester,
Lymphocyte Activation & Gene Expression Symposium
March 1, 2010; Breckenridge, Colorado

Sirt3, a Novel Regulator of Mitochondrial Function and Insulin Signaling in Diabetes and Insulin Resistant States

Enxuan Jing, Joslin Diabetes Center, Harvard Medical School
ADA 70th Scientific Sessions
June 26, 2010; Orlando, Florida

Fatty Acids Induce a Bi-Phasic Autophagic Response in INS-1 Cells Characterized by an Acute, Protective Stimulation Followed by a Detrimental Inhibition of Autophagic Flux

Guy Las, Boston University Medical Center
ADA 70th Scientific Sessions
June 28, 2010; Orlando, Florida

May 28, 2010