

# Seahorse Travel Awards

## Awards for Poster Presentations:

***Class IIa histone deacetylases contribute to skeletal muscle transcriptional and metabolic remodeling and oxidative stress in insulin resistance***

Jessica Curtis; University of Minnesota

**Keystone Symposia on Type 2 Diabetes, Insulin Resistance and Metabolic Dysfunction**

January 15th, Keystone Colorado

***Quantitative Proteomics and Functional Consequences of Mitochondrial Protein Carbonylation***

Sean McGee, Deakin University, Australia

**Keystone Symposia on Type 2 Diabetes, Insulin Resistance and Metabolic Dysfunction**

January 13th, Keystone Colorado

***Differential regulation of metabolic pathways by S-nitrosation in endothelial cells.***

Anne R. Diers; Medical College of Wisconsin

**SFRBMB Meeting**

November 17-20, Orlando FL

***Uptake, Subcellular Localization, Bioenergetic Effects And Antiproliferative Properties Of Triphenylphosphonium-Linked Nitroxides In Breast Cancer Cells***

Gang Cheng, PhD, Medical College of Wisconsin

**SFRBMB Meeting**

November 17-20, Orlando FL

***Reduction of mitochondrial reserve capacity in endothelial cells by nitric oxide and superoxide – detection and quantitation of peroxynitrite formed from co-generated NO and O<sub>2</sub>***

Jacel Zielonka Medical College of Wisconsin

**SFRBMB Meeting**

November 17-20, Orlando FL

***Chronic hyperglycemia - induced attenuation of mitochondrial reserve capacity mediates mesangial cell dysfunction in diabetes***

Balu K. Chacko, U Alabama Birmingham

**SFRBMB Meeting**

November 17-20, Orlando FL

***Cellular bioenergetics in chicken embryo fibroblast (CEF) and immortal CEF (DF-1) cells.***

Kentu Lassiter; University of Arkansas, Fayetteville

**SFRBMB Meeting**

November 17-20, Orlando FL

***Bioenergetic Dysfunction in Endothelial Cells Precedes Cell Death due to Hemin: Implications for Hemolytic Anemias***

Ashlee N. Higdon, U Alabama Birmingham

**SFRBMB Meeting**

November 17-20, Orlando FL

***DNA Damage Precedes Cell Death In Rotenone Rat Model Of Parkinson's Disease***

Laurie H. Sanders; University of Pittsburgh

**Neuroscience 2010**

November 13-17, 2010; San Diego CA

***Neuronal bioenergetic reserves: Importance in Parkinson's disease***

Brian Dranka, PhD, Medical College of Wisconsin

**Neuroscience 2010**

November 13-17, 2010; San Diego CA

***Overexpression of the neuron-specific Drp1 isoform that includes exon 3 (ISO1) increases mitochondrial respiratory capacity in neurons***

Camelia Danilov; U Washington Seattle

**2010 Neurosciences**

November 13-17, 2010; San Diego CA

***DJ-1 knock-down impairs astrocyte mitochondrial function***

Niccole Larsen, Univ. Pittsburg

**2010 Neurosciences**

November 13-17, 2010; San Diego CA

***Methylene blue attenuates ethanol withdrawal (EW) induced mitochondrial respiration inhibition***

Xiaohua Ju; Univ. of North Texas Hlth. Sci. Ctr., Fort Worth,

**2010 Neurosciences**

November 13-17, 2010; San Diego CA

***Decreased respiratory capacity and glycolytic rates in a rat model of temporal lobe epilepsy revealed by metabolic flux analysis of hippocampal synaptosomes***

Shane. Rowley; Univ. of Colorado, Denver

**2010 Neurosciences**

November 13-17, 2010; San Diego CA

***Mitochondrial and Cellular Bioenergetics Shift in Human Embryonic Stem Cells (hESCs) and Induced Pluripotent Stem Cells (iPSCs)***

Alessandro Prigione; Max-Planck Institute for Molecular Genetics

**Targeting Mitochondria 2010**

November 18-19, Berlin Germany

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**Bioenergetic The mitochondrial transporter ABC-me (ABCB10) is a novel gene required for cardiac recovery after ischemia-reperfusion**

Marc Liesa, BU School of Medicine

**Mitochondrial Function and Dysfunction Meeting**

November 21-24, Israel

**Energy metabolism and radiosensitivity of two HNSCC tumor cell lines**

Christian G. Fabian, University Medical Center of the Johannes Gutenberg University

**56th Annual Meeting of the Radiation Research Society**

September 27, 2010; Maui HI

**Simvastatin the enemy within?**

University Hospital Basel

**XXXIX European Muscle Conference (EMC 2010)**

September 14, 2010; Padua.

**Inhibition Brown adipocyte activation is characterized by a wave of mitochondrial fission and depolarization that is dependent on  $\alpha_3$  receptor stimulation and Drp1, and is characterized by complete, but reversible, arrest of fusion**

Sam Sereda, Boston University Medical School

**Brown Adipose Tissue and Human Obesity Conference**

July 10, 2010, Stockholm, Sweden

**Novel application of the XF24 respirometer reveals that Islet bioenergetic efficiency is regulated by nutrients**

Jakob Wikstrom, Boston University Medical School

**European Association of Diabetes Annual Meeting**

September 20-21, 2010; Stockholm Sweden

**Inhibition of Apoptosis Partially Restores Mitochondrial Function**

Gloria A. Benavides, University of Alabama at Birmingham

**5th International Conference of Neurons & Brain Disease**

June 29- July 1, 2010; Bristol, England

**Hypoxia/Reoxygenation Alters Mitochondrial Function in Endothelial Cells**

Blake R. Zelickson, University of Alabama at Birmingham

**5th International Conference of Neurons & Brain Disease**

June 29- July 1, 2010; Bristol, England

**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. Zelickson, 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

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## ***-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

## **Awards for Podium Presentations:**

### ***Nitrite Stimulates Mitochondrial Biogenesis in Hypoxia***

Li Mo, U Pittsburg

#### **SFRBMB Meeting**

November 18; Orlando, FL

### ***The Mesodermal Developmental Gene Tbx15 Regulates Triglyceride Accumulation and Mitochondria Respiration in Adipocytes***

Stephane Gesta, Joslin Diabetes Center

#### **Obesity Society's 2010 Annual Scientific Meeting**

October 11, 2010 San Diego, CA

### ***Energy Metabolism in Genetically Defined Subtypes of Diffuse Large B Cell Lymphoma***

Pilar Caro, Dana-Farber Cancer Institute

#### **Cancer & Metabolism: Pathways to the Future Conference**

September 19-21, 2010, Edinburgh, Scotland

### ***Effect of nitric oxide on primary cortical neuron oxygen consumption after glutamate excitotoxicity***

Pascaline Clerc University of Maryland School of Medicine, Baltimore, Maryland

#### **9th International Conference on Brain Energy Metabolism**

July 9th, 2010; Budapest, Hungary

### ***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

### ***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

### ***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

### ***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 MA

### ***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

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