

# 2010 Seahorse Bioscience Travel Award Program



To further exploration of cellular bioenergetics and showcase the work of young scientists Seahorse Bioscience offers travel awards to graduate students and post doctoral researchers. Researchers must present a talk or poster citing data generated with the XF Analyzer at scientific meetings or conferences.

In 2009, Seahorse granted 14 Travel Awards to young researchers for presenting their work in aging & cell stress; cancer; obesity, diabetes, & metabolic diseases; and cardiovascular research.

**Seahorse invites applications for the following awards:**

## **\$500 Poster Award**

For outstanding scientific research citing Seahorse Bioscience technology in a poster.

## **\$1,000 Oral Podium Presentation Award**

For outstanding scientific research citing Seahorse Bioscience technology in a podium presentation.

*“The Seahorse analyzer makes it so easy to measure mitochondrial function. Seahorse Bioscience makes it just as easy to apply for a Travel Award!” ~ Bradford Hill, PhD, 2008 Travel Award recipient*

## **Selection Process:**

- Submit an application form (available on the Seahorse website) and a copy of your paper or poster at least 30 days in advance of your meeting to David Ferrick, PhD, CSO at: [dferrick@seahorsebio.com](mailto:dferrick@seahorsebio.com)  
*Research papers or posters must have been accepted by the meeting organizers for presentation prior to submission to Seahorse Bioscience.*
- Seahorse scientists will examine all applications for scientific merit and award eligibility.
- Award recipients will be notified of their award at least 10 days prior to their presentation date. Funds will be provided directly to the recipient following the announcement of the award and receipt of all required tax information.
- Recipients and their Papers or Posters will be cited on the Seahorse Bioscience website.

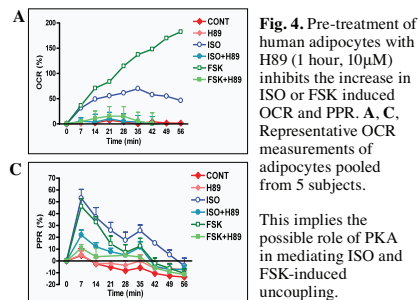
For additional information, visit <http://www.seahorsebio.com/resources/travel-awards/travel-awards.php>

Limit 1 Seahorse Travel Award per person in any calendar year.

Limit 3 Seahorse Travel Awards per laboratory in any calendar year.

# Highlights from 2009 Seahorse Bioscience Travel Award Posters

**FIGURE 4: Isoproterenol or Forskolin-induced OCR increase is inhibited by H89.**



**From:** "Bioenergetics changes induced by hydrogen peroxide exposure in endothelial cells."

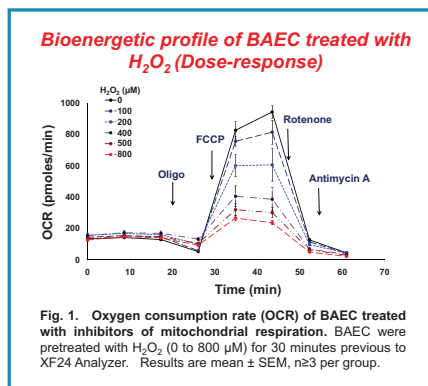
Gloria A. Benavides, Brian Dranka, Brian Benoit, & Victor Darley-Usmar, University of Alabama at Birmingham & Seahorse Bioscience

Society for Free Radical Biology's 16th Annual Meeting  
November 18-22, 2009, San Francisco CA

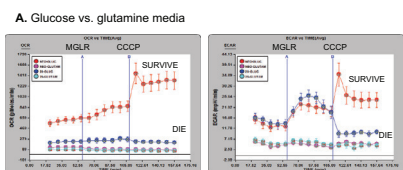
**From:** " $\beta$ -Adrenergic and cAMP-Stimulated Mitochondrial Uncoupling in Human Adipocytes."

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



**Bcl-X<sub>L</sub> cells are sensitive to inhibition of glutamate dehydrogenase with monomethyl glutarate (MGLR). Fumarate but not Succinate rescues Bcl-X<sub>L</sub> cells treated with MGLR.**



**FIGURE 5.** (A) OCR and ECAR measurements in cells grown in DMEM base medium supplemented with glucose and glutamine or glutamine only. Bcl-X<sub>L</sub> cells are selectively sensitive to inhibition of glutamate dehydrogenase.

**From:** "Cells addicted to BCL-XL accumulate succinate via pyruvate carboxylase metabolism and glutaminolysis."

Daciana Margineantu & David Hockenbery, Human Biology & Clinical Research Divisions, Fred Hutchinson Cancer Research Center

AACR Metabolism & Cancer Conference  
September 13-16, 2009; La Jolla, CA

View these and other posters on the Seahorse Bioscience website.

"Young investigators are making remarkable discoveries using the Seahorse. We want to encourage further discoveries by rewarding their efforts with our Travel Awards." ~ David Ferrick, PhD, CSO Seahorse Bioscience.