New Cellular Bioenergetics Workshops Series Inaugurated by Seahorse Bioscience with Two of the World's Leading Bioenergetics Researchers.

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David Nicholls and Martin Brand collaborate with Seahorse Bioscience, Inc. to organize an advanced XF mitochondrial workshop and will share their years of experience studying promising disease pathways with workshop attendees.

N. Billerica, MA - Seahorse Bioscience, Inc., the market leader in instruments and consumables for cell based metabolic assays announced their first Cellular Bioenergetics Workshop, "***Understanding When and How to Use Intact Cells and Isolated Mitochondria in Investigating Cellular Bioenergetics***" with renowned cellular bioenergeticists David Nicholls and Martin Brand. The workshop will be held June 3 and 4, 2009 at the company's headquarters in North Billerica, Mass.

"With the increasing popularity of our monthly Cellular Bioenergetics Webinars, initiating a series of wet lab workshops is a natural evolution. The demand for cellular bioenergetics information keeps mounting as dysfunction of the mitochondria, the powerhouse of the cell, is being implicated in cancer, ageing, obesity, diabetes, cardiovascular disease and toxicology," explained Dr. David Ferrick, Seahorse's CSO. "Working with David and Martin to create the Seahorse Cellular Bioenergetics Workshop Series will provide our clients an unprecedented learning experience with the world's leaders in mitochondrial physiology."

"The workshop will help researchers to answer those fundamental, strategic questions that establish effective experimental design with an XF Analyzer," stated Dr. David Nichols of the Buck Institute and Lund University. "Researchers of cellular bioenergetics must decide when to use isolated mitochondria and when to use whole cells. In addition, the information obtained from these experiments can be dramatically enhanced by thoughtfully applying substrates, inhibitors, and stimulators during the experiment. This is how

we will make breakthroughs in understanding the role of mitochondria in conditions such as neurodegeneration."

"Moving from 50 year old Clark electrodes to the XF technology will greatly advance our understanding of cellular bioenergetics," added Martin Brand. "It is essential that scientists understand how to use this new technology to its fullest capabilities and how to properly interpret these types of data. David Nicholls and I are committed to seeing cellular bioenergetics grow from a specialty field to a broad area of study."

Seahorse plans additional Cellular Bioenergetics Workshops enabling new discoveries on the role of cellular bioenergetics in cancer, aging, obesity, diabetes, cardiovascular disease and toxicology, Visit www.seahorsebio.com for details.

About Workshop Leaders

Dr. David Nicholls is Professor of Mitochondria Physiology the Buck Institute for Age Research specializing in mitochondrial dysfunction. He is also a visiting Professor in the Dept. of Experimental Brain Research and Diabetes Centre at the University of Lund Sweden. Dr. Nicholls is widely recognized for insightful research that has kept him at the forefront of mitochondrial physiology his entire career. Most recently he has focused on studying bioenergetics in intact cells, specifically in neurons in order to understand life and death decisions that are pathologic in neurodegenerative diseases. His lab's focus on putting bioenergetics in the context of living cells is necessary in order to gain a better understanding of these dynamic and integrated systems. The laboratory is a world-leader in this area.

Dr. Martin Brand is Professor of Cellular Bioenergetics and Director of the Morphology core at the Buck Institute for Age Research and a Group Leader for the MRC Mitochondrial Biology Unit in Cambridge, UK. Dr. Brand is widely regarded as one of the leading authorities on mitochondrial function. His laboratory's work on the role of uncoupling proteins in the dissipation of energy and its connection to disease are at the forefront of biomedical research. The driving force behind his research is the understanding of how the function of mitochondria within living cells is regulated to give the exquisite control of nutrient use and energy turnover that is characteristic of healthy cells. This leads naturally into study of the efficiency, of how its regulation and its effects on cells and organisms can be described quantitatively, of its mechanism and its functions, and of how we might be able to alter it to affect conditions such as obesity, degenerative diseases and normal ageing.

About Seahorse Bioscience

Seahorse XF instruments have become the new standard in cellular bioenergetic measurements. Scientists worldwide use these tools to advance their research in understanding the role of mitochondrial function in obesity, diabetes, ageing, cancer, cardiovascular function and safety toxicity. Founded in 2001, Seahorse is headquartered in Billerica, MA. For more

information, please visit /index.php.

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