

# 2012 XF Users' Meeting

Tokyo, Japan

February 28–March 1, 2012

Price of  
**\$599 USD**  
includes 2 nights  
accommodation  
and all meals

## PRELIMINARY AGENDA

### Tuesday, February 28

15:00-21:00 **Registration - Tokyo Dome Hotel**

18:00-21:00 **Welcome Reception**

### Wednesday, February 29

7:30-10:00 **Breakfast - Tokyo Dome Hotel**

8:30-9:30 **Breakfast Roundtable Discussions (optional)**

10:30-11:00 **Opening Address - Bunkyo Civic Center**  
Jay Teich, CEO, Seahorse Bioscience

11:00-12:00 **Keynote Address**  
Nobuyuki Takahashi, PhD, Kyoto University  
**Regulation of lipid metabolism by PPAR- $\alpha$  (in adipose tissues and intestine)–An old target in new locations**  
Abstract coming soon

12:00-12:45 **Lunch**

13:00-14:15 **Concurrent Workshop**  
**Next Level Data Analysis and Interpretation**  
The user-friendly and flexible XF software incorporates an assay wizard through which you can easily design and manage experiments, acquire and analyze data, and display results. In this workshop we will share best practice tips and techniques. We will then interpret the data, showing you how you can take your data analysis and interpretation to the next level and enhance your research.

13:00-14:15 **Concurrent Workshop**  
**Substrate Utilization Toolbox**  
Further explore the world of bioenergetics and get more from your XF experiments. Share experiences gained from substrate utilization experiments. We will discuss the rationale for inferring substrate catabolism by measuring byproducts of that process, OCR and ECAR. This workshop will provide an understanding of the fundamental principles governing these processes, and how they will help to provide greater comprehension as to how these bioenergetics parameters can be applied to research and/or a drug discovery program.

14:15-14:45 **Break**

14:45-16:00 **Concurrent Workshop**  
**Measuring Glycolytic Function with the XF Glyco Stress Kit**  
What role does glycolysis play in physiological processes, including immune response and stem cells maintenance, as well as disease states such as cancer. Join our workshop discussion on Extracellular Acidification Rate (ECAR), a valid indicator of glycolysis, and a valuable tool in analyzing alterations in dynamics of cellular bioenergetics. The soon to be released XF Glycolysis Stress Test Kit will also be discussed.

14:45-16:00 **Concurrent Workshop**  
**Profiling Mitochondrial Function with the XF Mito Stress Test**  
Understanding the basics of mitochondrial function provides valuable insight when designing bioenergetic assays, as well as analyzing and interpreting the data. This interactive workshop will review the fundamental parameters of mitochondrial function: basal respiration, ATP production, proton leak, and maximal and spare respiratory capacity. We will discuss the value of the XF Cell Mito Stress Test Kit and its use in identifying mitochondrial dysfunction, and measuring mitochondrial response to stress.

16:00-17:00 **Discussion**

18:30 **Dinner - Tokyo Dome Hotel**

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## AGENDA (CONTINUED)

<b>Thursday, March 1</b>	
07:30-09:00	<b>Breakfast - Tokyo Dome Hotel</b>
09:00-09:45	<b>Keynote Address</b> Yau-Huei Wei PhD, President, Mackay Medical College <b>Metabolic switch from aerobic metabolism to anaerobic glycolysis in skin fibroblasts from patients with MERRF syndrome</b> Abstract coming soon
09:45-10:30	<b>Keynote Address</b> Min-Xin Guan, PhD, Zhejiang University <b>Keynote title coming soon</b> Abstract coming soon
11:00-12:15	<i>Concurrent Workshops</i> <b>Keeping Your Seahorse Happy</b> Ensuring your XF Analyzer is in top working condition, and your research on track is easy with routine monthly maintenance. This workshop will highlight the simple practices that will keep your XF Analyzer running smoothly. Topics covered will include: basic hardware maintenance, software and calibration, and the lab environment.
11:00-12:15	<i>Concurrent Workshop</i> <b>Next Level Data Analysis and Interpretation</b> The user-friendly and flexible XF software incorporates an assay wizard through which you can easily design and manage experiments, acquire and analyze data, and display results. In this workshop we will share best practice tips and techniques. We will then interpret the data, showing you how you can take your data analysis and interpretation to the next level and enhance your research.
12:15-12:45	<b>Lunch</b>
13:00-14:15	<i>Concurrent Workshop</i> <b>Measuring Glycolytic Function with the XF Glyco Stress Test</b> What role does glycolysis play in physiological processes, including immune response and stem cells maintenance, as well as disease states such as cancer. Join our workshop discussion on Extracellular Acidification Rate (ECAR), a valid indicator of glycolysis, and a valuable tool in analyzing alterations in dynamics of cellular bioenergetics. The soon to be released XF Glycolysis Stress Test Kit will also be discussed.
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16:00-16:15	<b>Closing Remarks</b> Charlie Wang, Asia Sales Manager
16:15	<b>Farewell</b>

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