

Measuring Metabolic Engines and Fuels

with the Agilent Seahorse XF Analyzer

April 24th, 2018

Institut für Klinische Chemie und Pathobiochemie,
Medizinische Fakultät Magdeburg, Leipziger Straße 44
Room TBD



Presenter:

Dr. Daniel Gebhard

Agilent Technologies, Inc.

Agenda

Wet-Lab

09:00 – 12:00 **Measuring glycolytic rates with the Seahorse XFe96**
-Limited Attendees!

12:00 – 13:00 - Lunch Break –

Workshop/Seminar

13:00 – 14:00 **Introduction to Seahorse Technology**
-Assay design and optimization-

14:00 – 14:30 **Precise measurement of glycolytic rates in living cells**

14:30 – 14:45 - Coffee Break –

14:45 – 16:00 **Assay analysis workshop**
(you are very welcome to bring your own assay files)

For registration

Please contact daniel.gebhard@agilent.com
until April 17th for registration and indicate
if you would like to join the wet-lab.

FREE WORKSHOP

Metabolism is the key to understanding cell function

In living cells, most of the energy produced is derived from three fuel sources: glucose, glutamine, and fatty acids. Mitochondrial access to these fuels impacts a wide variety of biological processes.

Use the Agilent Seahorse XF Analyzer to:

- Identify fuel dependencies to uncover cancer cell vulnerabilities.
- Explore how fuel preferences lead to cell fate decisions for differentiation and immune cell activation.
- Determine whether/how cells can adjust fuel oxidation to match nutrient availability while meeting energy demand.
- Distinguish metabolic adaptations due to genetic changes vs. those that take place due to nutrient deprivation.



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