

Agilent Cell Analysis Training and Seminar

Universitätsklinikum Düsseldorf
Institut für Biochemie und Molekularbiologie I

Virtual Workshop January 29| 2021

Measuring Metabolic Engines and Fuels with the Agilent Seahorse XF Analyzer

Learn about Agilent's new functional, kinetic, cell based assays targeting key disease areas and microbial analysis. 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.

EVENT DETAILS

Host

Dr. Nahal Brocke-Ahmadinejad
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Universitätsklinikum Düsseldorf

Presenter

Dr. Daniel Gebhard
daniel.gebhard@agilent.com
Product Specialist, Cell Analysis, Agilent

Location:

Can be accessed via internet from any place, usually no software installations required.

Date/Time:

Friday, January 29th, 2021, 09:00 – 12:45

Please Register Before January 27th:

<https://seahorseinfo.agilent.com/acton/fs/blocks/showLandingPage/a/10967/p/p-01a3/t/page/fm/0>

After your registration you will receive an automatic email confirmation. The link to the webcast will be sent at a later time point.

AGENDA

09:00 – 10:00	Introduction to Seahorse Technology <i>Introduction and assay optimization</i>
10:00 – 10:15	Size matters! <i>Measuring metabolism in 3 D samples</i>
10:15 – 11:00	Metabolism in immunology & cancer research <i>with examples from different research focuses</i>
11:00 – 11:15	-Break-
11:15 – 11:45	Characterizing modes of action <i>with Isolated Mitochondria / Permeabilized Cells</i>
11:45 – 12:15	Software and data analysis <i>crash course on our data analysis software Seahorse Analytics</i>
12:15 – 12:45	Q&A

