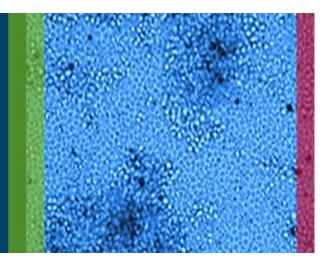
Agilent Cell Analysis Seminar and Workshop at Tyrolean Cancer Research Institute

February 20, 2020 | Innsbruck



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

EVENT DETAILS

Host

EXTRO-Lab, Dept. of Therapeutic Radiology and Oncology (PD Dr. Ira-Ida Skvortsova)

Presenter

Dr. Daniel Gebhard, <u>daniel.gebhard@agilent.com</u> Product Specialist, Cell Analysis, Agilent

Location:

Medical University of Innsbruck Tyrolean Cancer Research Institute, Innrain 66, G0

Date/Time:

Thursday, 20.02.2019, 9:00 - 14:45

Please Register online Before February 13: https://seahorseinfo.agilent.com/acton/fs/blocks/showLandingP age/a/10967/p/p-01a3/t/page/fm/0

IMPORTANT

If you are interested to join one of the wet-lab sessions, please additionally contact Ira-Ida Skvortsova Ira.Skvortsova@i-med.ac.at

This information is subject to change without notice.

© Agilent Technologies, Inc. 2018 Published in the USA, January 10, 2019 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:

- o 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.

AGENDA

Wet-Lab

9:00 - 11:00 Wet-Lab

Seminar

- 11:00 11:30 Introduction to the Technology
- 11:30 12:00 A Novel XF Assay to Assess Cellular ATP Kinetics
- 12:00 13:00 Lunch Break
- 13:00 13:30 Revealing Modes of Action with Isolated Mitochondria / Permeabilized Cells
- 13:30 13:45 Soluble Sensors for OCR and ECAR Measurements in Plate Readers
- 13:45 14:45 Seahorse Data Analysis

