

# Agilent Cell Analysis Seminar & Workshop at Tyrolean Cancer Research Institute

30 January | 9:00 - 16:00 | Innsbruck



## EVENT DETAILS

### Workshop hosted by

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

and Agilent Technologies

### Presenter

Daniel Gebhard, [daniel.gebhard@Agilent.com](mailto:daniel.gebhard@Agilent.com)  
Product Specialist, Cell Analysis, Agilent

### Date

Wednesday, 30 January, 2019

### Location:

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

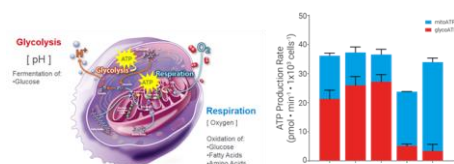
### Time:

9:00 – 16:00

This workshop is free. Coffee will be provided in the break.

### Register Here:

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



This information is subject to change without notice.

© Agilent Technologies, Inc. 2018  
Published in the USA, October 23, 2018

## 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.

### Agenda:

09:00 – 09:45	Introduction of the Seahorse Technology
09:45 – 10:45	A Novel XF Assay to assess Cellular ATP Kinetics
10:45 – 12:00	<b>Wet-Lab 1:</b> Seahorse XF Palmitate-BSA FAO Substrate Assay to Determine the Oxidation of Exogenous FAs
12:00 – 13:00	Lunch Break
13:00 – 15:30	<b>Wet-Lab 2:</b> Measuring the glycolytic rates of carcinoma cells with the Seahorse XFp
15:30 – 16:30	Data Analysis