

## Upcoming seminar in October

### Cells in focus: Advanced solutions in cell-based assays and high-resolution microscopy

**Date:** Monday, October 15, 2018  
**Venue:** Sarich Neuroscience Research Institute  
Ground Floor Seminar Room, QEII Medical Centre, 8 Verdun Street Nedlands WA 6009  
**Time:** 10:00am - 11:30am  
**Presenter:** Dr. Christian Leibold, Director, ibidi GmbH  
**Hosted by:** Stephanie Moore, Scientific Partners Australia Pty Ltd  
**Mobile: 041 814 9170, Email: [stephanie@scientificpartners.com.au](mailto:stephanie@scientificpartners.com.au)**

DKSH Australia and ibidi GmbH cordially invite you to a seminar on functional cell-based assays and cell microscopy. This is a fantastic opportunity to learn more about this specialised area from an expert!

Morning tea will be provided and hands-on look at ibidi Pump and Heating system.

#### Seminar overview

Cell culture has become an essential tool for our understanding of most biochemical and physiological processes in the last 4 decades. Hence, the use of live cell-imaging, demand on optical quality for high resolution microscopy and specific applications became increasingly important to the commercial production of specific labware and devices.

ibidi undertakes continuous advances in the development of high end labware products, instruments, and reagents to offer optimized functional cell-based assays for scientists.

The ibidi labware line includes  $\mu$ -Dishes,  $\mu$ -Slides and  $\mu$ -Plates designed with a Coverslip Bottom that combines both, optimal cell adherence and brilliant optical

quality for high resolution microscopy. Products are developed to optimize the daily lab routine, providing an all-in-one solution for culturing, fixation, histochemistry and live cell imaging. In addition to standard portfolio, ibidi's labware includes specific geometrical designs developed for functional cell-based assays such as migration, chemotaxis and angiogenesis.

The ibidi instrument line includes stage top incubators, a unique perfusion system that provides continuous flow for the simulation of blood vessels, and a system for monitoring, measuring, and controlling the O<sub>2</sub> concentration in biological samples. ibidi's instruments allow scientists to perform in vitro assays that provide more reliable results and better represent in vivo

conditions found in humans and animals.

ibidi's recent innovations focus on a solution for generation of short- and long-term 3D culture of spheroids and organoids. The development of 3D spheroid models and self-assembly tumor spheroid formation assays mimics an in vivo environment.

In this talk, we will present and discuss advanced solutions for:

- Live Cell Imaging
- Immunofluorescence assays
- Wound Healing and Cell Migration assays
- Chemotaxis and Angiogenesis assays
- Cell Culture Under Flow experiments
- Cell Culture in 3D

#### About the Presenter

Dr. Christian Leibold pursued his PhD with a focus on neuroscience at Julius-Maximilians University, Wuerzburg. He is specialised in Life Sciences including Microscopy, Imaging Software, Cell Biology, Cell-based assays, Neuroscience, Electrophysiology, Molecular Biology, Immunohistochemistry, Chemistry (Inorganic, Organic, Analytic), Electron microscopy sample preparation for Life Sciences, Material Sciences and Industrial Applications (Microelectronics, Semiconductor).

