

Ncardia Workshop 2017

We are proud to invite you to our first Ncardia Application Workshop, taking place at **BioCampus Cologne, November 29 - December 1st, 2017.**

Preliminary Agenda:

Wednesday, November 29	
12:00 noon	Arrival at Ncardia/ BioCampus - LUNCH
1:00 PM	Stefan Braam, PhD (Ncardia) "Welcome"
1:25 PM	Prof. Michael Schneider, PhD, MD (Imperial College London) "Cardiac muscle cell death as a druggable target: Human iPSC-derived cardiomyocytes for target validation and compound development"
1:55 PM	Mohamed Kreir, PhD (Janssen Pharmaceutica) "In vitro cell-based assays to predict drug-induced seizure liability using HiPSC derived neurons (hiPS-neurons)"
2:20 PM	Ryan McGarrigle, PhD (Luxcel Biosciences) "Cardiomyocyte function characterised through combined analysis of metabolic flux, beat rate and cellular oxygenation and its application in vitro ischemia reperfusion modelling"
2:45 PM	Coffee break / poster session
3:30 PM	Live Demonstrations
7:00 PM	Dinner
Thursday, November 30	
8:45 AM	Arrival at Ncardia/ BioCampus
9:00 AM	Said El Haou, PhD (Metrion) "Validating human iPSC cardiomyocytes for CiPA cardiac safety testing – from electrophysiology to phenotypic assays"
9:25 AM	Mark Bryant, PhD (Clyde Biosciences) "Optical Measurements of Electrical And Mechanical Function of Cor.4U® CELLS using the CelloPTIQ System"
9:50 AM	Stephane Bedut, PhD (Scientific service provider in site at VWR Catalyst) "High throughput optical recording of voltage and calcium signals of human ips-derived cardiomyocytes for drug screening and cell lines characterization"
10:15 AM	Coffee Break / poster session
10:45 AM	Silvia Cainarca, PhD (Axxam) "iPSC-derived cells going high throughput: new strategies for ion channels drug discovery"
11:10 AM	Christian Holz (Molecular Devices) "Phenotypic assays for compound effects using imaging-based morphological characterization of 3D neuronal cultures and calcium transients in beating cardiomyocytes" (FLIPR)
11:35 AM	Linn Schneider, PhD (Bayer HealthCare) & Benjamin Wolters, PhD (Ncardia) "Opening the optogenetic toolbox for iPSC-derived Cardiomyocytes"
12:00 noon	Lunch Break / poster session

1:00 PM	Prof. Christine L. Mummery, PhD (Leiden University Medical Center) KEYNOTE: "Advancing disease modeling using hiPSC"
1:40 PM	Caroline Archer, PhD (AstraZeneca) "Validation and Utility of Human iPS-Vascular Smooth Muscle Cells as an in vitro Vascular Model"
2:05 PM	Prof. Philipp Sasse, PhD (University of Bonn) "The enlightened heart: Optogenetic methods to investigate and treat cardiac arrhythmia"
2:30 PM	Elena Dragicevic (Nanion Technologies) "HTS automated patch clamp takes cardiac safety testing to the next level"
	Coffee Break
3:30 PM	Live Demonstrations
4:45 PM	Shuttle Bus to Hotel
Friday, December 1	
8:45 AM	Arrival at Ncardia/ BioCampus
9:00 AM	Thomas Licher, PhD (Sanofi) "„High“ throughput assay applications with iPS derived cardiomyocytes: Ca ²⁺ -oscillations and beyond"
9:25 AM	Georg Rast, PhD (Boehringer Ingelheim) "hiPSC-Derived Cardiomyocytes: Diversity In A Dish"
9:50 AM	Tessa de Korte "Multiparametric assessment of the effects of chemotherapeutic drugs on the (electro)physiology of Pluricyte® Cardiomyocytes"
10:10 AM	Coffee Break
10:40 AM	Live Demonstrations
12:00 noon	Departure