
Day of Patch Clamping: Tuesday, 25 October 2011

RIGZ, Joachim-Jungius-Str. 9, 18059 Rostock

Ion Channel Symposium

10:00 a.m. Opening & Welcome:

Dr. Thomas Knott, CEO, Cytocentrics AG

Remarks from the chair:

Dr. Olaf Scheel, Chief Scientific Officer, Cytocentrics AG

10:05 a.m. Combining in silico prediction and advanced automated patch clamp experiments for early cardiotoxicity testing

Dr. Olaf Scheel, Chief Scientific Officer, Cytocentrics AG

Andrew Sparkes Ph.D, Senior Director Account Management, Schrödinger, LLC

10:25 a.m. Assessing the hERG channel activity of cytotoxic 1.4 nm gold nanoparticles

Annika Leifert, Ph.D. Student, Institute of Technology of North Rhine-Westphalia Aachen University

10:45 a.m. Electrophysiological Investigations of isolated Cells and functional Analysis of biological Networks

Prof. Dr. Thomas Noack, Head of Vegetative Physiology, Institute of Physiology, University of Rostock

11:05 a.m. In vitro developed spontaneously contracting 3D heart aggregate as a robust read-out system for human heart research

Dr. Bianka Grunow, postdoctoral research fellow, Fraunhofer Research Institute for Marine Biotechnology, Lübeck

11:25 a.m. SK channel downregulation in chronic epilepsy

PD Dr. med. Timo Kirschstein, Group of Neurophysiology, Institute of Physiology, University of Rostock

Refreshment

Company Symposium

12:00 p.m. Opening remarks from the chair:

Dr. Gesa Rascher-Eggstein, Chief Sales Officer, Cytocentrics AG

12:05 p.m. Innovation in Life Science based on Entrepreneurship - a personal comment

Prof. Dr. Carsten Claussen, CEO, European ScreeningPort GmbH

12:25 p.m. The Bionas Discovery™ systems for real-time monitoring of cellular bioenergetics and impedance

Dr. Ralf Ehret, CEO and President, Bionas GmbH

12:45 p.m. HEPAC²: A re-usable human hepatocyte culture system

Dr. Dieter Runge, CEO, PRIMACYT Cell Culture Technology GmbH

1:05 p.m. High data quality obtained by the CytoPatch™ Instrument

Dr. Gesa Rascher-Eggstein, Chief Sales Officer, Cytocentrics AG

1:25 p.m. Spike Trains and Action Potentials from Neuronal Network Cultures on Microelectrode Arrays

Dr. Olaf Schröder, Director, NeuroProof GmbH

Lunch break, then demonstration of the CytoPatch™ Instrument and the Instant Cells

Award ceremony:

Cytocentrics: Selected Landmark 2011 in the Land of Ideas

3:00 p.m. Welcome with champagne reception and musical interlude

4:00 p.m. "Patch Clamp and Membrane Biophysics"

Prof. Dr. Erwin Neher, Scientific Advisor, Nobel Prize winner

4:30 p.m. "Cytocentrics yesterday, today and tomorrow"

Dr. Thomas Knott, CEO, Cytocentrics AG

5:00 p.m. Welcome address by the initiative "Germany – Land of Ideas"

Juliane von Trotha, Representative of the initiative "Germany – Land of Ideas"

Honoric speech and presentation of trophy "Cytocentrics – Selected Landmark 2011"

Birgit Krüger, Deutsche Bank AG

5:30 p.m. Buffet and demonstration of the CytoPatch™ Instrument and the Instant Cells
