2nd FDSS Application Workshop – Cor.4U & Neuron
June 10th, 2015
Axiogenesis, BioCampus, Cologne, Germany
Costs: 150,- €

08:30 Arrivals and Welcome at Axiogenesis.

New from Axiogenesis & Hamamatsu
09:30 Axiogenesis iPSC-derived cardiomyocytes and neurons in drug development and safety testing
Dr. Dietmar Hess, Axiogenesis

10:00 New applications for IPS derived cardiomyocytes and neurons with the FDSS μCell equipped with the EFS stimulation head
Jean Marc d’Angelo, Hamamatsu Photonics France

10:30 Coffee break

Cells informations
11:00 Axiogenesis iPSC-derived cardiomyocytes and neurons: Production, characterization and critical steps in cell handling
Dr. Andreas Ehlich, Axiogenesis

Screening Technology
11:30 Recent advances in membrane potential-sensitive fluorescent probes for IPS derived functional cells imaging
Dr. Hisada Sunao, Systems divisions, Hamamatsu Photonics K.K.

12:00 In vitro predictive toxicity of GPCR modulators in human iPS-derived Cor.4U cardiomyocytes by Ca²⁺ transients detection
Thierry Calmels, Bioprojet Biotech, Rennes

12:30 Lunch, Networking

Other Technology
14:00 Patch clamp gone HTS
Dr. Markus Rapedius, Nanion

Demonstrations or Visit Bayer
15:00 Safety Pharmacology/iPSC-derived cardiomyocytes

15:00 1st Demo: FDSS7000 Ca²⁺ dye/Membrane dye (FluoVolt) assay

15:30 2nd Demo: FDSSμcell Ca²⁺ dye/EFS Pacing

16:00 Coffee break

16:30 Drug Discovery/iPSC-derived neurons
Hamamatsu: FDSSμcell/EFS

17:15 Software: Wave Analysis Software

17:30 End

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11th European Functional Drug Screening Symposium

FDSS Users Meeting – June 11th, 2015
at Axiogenesis AG in Cologne, Germany (BioCampus)

08:30  Registration opens
09:10  Welcome address – Axiogenesis & Hamamatsu Photonics
09:20  Introduction – Chairman

1st Session New Technologies for Drug Discovery
09:30  Hamamatsu Photonics solutions for drug discovery
   Hamamatsu Photonics Europe (HIPEU)
09:45  New options for FDSS series
   Hamamatsu Photonics K.K., Japan

2nd Session Analysis & HTS Platform
10:00  Integration of FDSS7000 into SAMI Screening system from Beckman
10:30  Analysis of high throughput FDSS kinetic data
   Jürg Fischer, Bayer CropScience AG
11:00  Coffee break

3rd Session Novel Screening Methodologies
11:30  BRET-T assays for measuring beta-arrestin recruitment as primary screening in G protein coupled receptors in FDSS7000
   Jose Brea, BioFarma Research group, University of Santiago de Compostela
12:00  New biochemical assays on the FDSS7000 for high throughput screening
   Magalie Mathis, Novartis, Basel
12:30  Buffet/Poster session

14:00  Photosens based ABE® assays for measuring real time production of ROS on the FDSS platform
   Dr Jan Knight, Knight Scientific Limited, Plymouth UK
14:30  YFP-halide assays for CFTR drug discovery using the FDSSpicoell
   Joseline Astam, Galapagos NV

4th Session Cell Based Assays
15:00  Human Stem Cell Research for Cardiac Safety: Janssen’s Ongoing Strategy in relation to FDA’s CIPA Proposal with data from 60 reference compounds, 4 different cell providers and 5 different technologies
   Huong Rong Luu, M.D., Ph.D., Janssen Pharmaceutical N.V. (UM)
15:30  Coffee break/Poster session
16:00  High-throughput applications of a near voltage-sensitive dye on human iPSC-derived cardiomyocytes
   Stephane Bedut, DiverChim
16:30  Human iPSC-derived Cardiomyocytes and neurons as versatile tools to assess efficacy and safety of compounds in vitro with the FDSS 7000
   Dr Dietmar Hiss, Axiogenesis
17:00  Using the Hamamatsu FDSSpCell EFS to assess adult rat DRG response to EFS stimulation – a short study
   Linda Ritchie, Neusentis, Cambridge, UK
17:30  IPS-derived 3D cell culture models for safety testing
   Jens Kelm, Indegene AG, Schlieren, Switzerland
17:45  Axiogenesis growing portfolio on human iPSC-derived cells: An overview
   Dr Thomas Palm, Axiogenesis
18:00  End
19:00  Social Dinner

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