



# 15<sup>th</sup> European Functional Drug Screening Symposium

## New INNOVATION in Technology and Applications

25 June 2019 | 12:00 h - 19:30 h | Hospital Sant Pau, Barcelona, Spain | Sant Pau Biomedical Research Institute

### HTS platform

Using the Hamamatsu FDSS/ $\mu$ Cell in an automated robotic workcell  
Ferry de Vugt, Lab Services, Netherlands



### Electrical field stimulation

Electrical stimulation of the MyoScreen platform with the FDSS/EFS: a new high-throughput screening platform for early muscle drug discovery  
Mélanie Flaender, CYTOO SA, France



### Cell health and energy metabolism

Use of FDSS/ $\mu$ Cell for identification of small molecule NADPH oxidase (NOX) inhibitors  
Vincent Jaquet, Université de Genève, READS unit, Switzerland



In vitro testing of Implanted Materials: The high throughput approach and the real time parallel approach  
John Hunt, Nottingham Trent University, U.K.



Bioluminescent Metabolite Assays – What can they tell about cell function?  
Réka Nagy, Promega AG, Switzerland



### Cell based assay

Detecting dorsal root ganglia neuron excitability with calcium measurements  
Antón L. Martínez Rodríguez, BioFarma Group, University of Santiago de Compostela, Spain



Characterization of oscillatory activity in LUHMES cell-derived human dopaminergic neurons using Hamamatsu FDSS/ $\mu$ Cell  
Udo Kraushaar, NMI, Germany



Measurement of Calcium Flux in iPSC-derived Models for Neurotoxicity Liabilities Assessment  
Giorgia Salvagiotto, Cellular Dynamics International, a Fujifilm company, UK



Electrical activity of h-iPSC-derived cardiomyocytes recording with FluoVolt™: a good high-throughput alternative to micro-electrode array



Stéphane Bedut, E-physervices, France

A workflow for maturation and functional assessment of human induced pluripotent stem cell cardiomyocytes using the FDSS/ $\mu$ Cell system



Yama A. Abassi, Agilent Technologies, USA

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