

## Conference Programme

### 4<sup>th</sup> Annual Visions for 3D Cell Culture

13<sup>th</sup> – 14<sup>th</sup> November, Helsinki

Tuesday 13<sup>th</sup> November 2018

UPM Biofore house, Alvar Aallon katu 1, Helsinki, Finland

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| 14:00 | Coffee and Registration   |
| 14:15 | Welcome and conference opening<br><i>Dr. Jane Spencer-Fry, Director, UPM Biomedicals &amp; Jyrki Ovaska, EVP Technology<br/>UPM – The Biofore Company</i>   |
| 14:30 | Keynote Speaker: Nanofibrillar cellulose in biomedical applications<br><i>Prof. Dr. Marjo Yliperttula, Professor of Biopharmaceutics at<br/>University of Helsinki, Finland</i>   |
| 15:15 | Modelling squamous cell carcinoma of head and neck in discovery of biomarkers<br>for drug sensitivity and resistance<br><i>Adj. Prof. Dr. Outi Monni, Principal Investigator at the Genome-Scale Biology Research<br/>Program, University of Helsinki, Finland</i>  |
| 15:45 | Coffee Break  |
| 16:15 | 3D cell culture technology in India: opportunities, challenges and prospects<br><i>Prof. Dr. Mohammad A. Akbarsha, Hony. Research Coordinator, National College<br/>(Autonomous). Formerly Director &amp; Chair, Mahatma Gandhi-Doerenkamp Center,<br/>Bharathidasan University, Tiruchirappalli, India</i> |
| 16:45 | Imaging and Analysis of Three-dimensional Stem Cell Cultures<br><i>Dr Darius Widera, Assistant Professor &amp; Lecturer<br/>School of Pharmacy, University of Reading, United Kingdom</i>   |
| 17:15 | Day 1 round up  |
| 17:30 | Poster Session & Cocktail Reception   |
| 18:30 | Buffet Dinner   |

Wednesday 14<sup>th</sup> November 2018

UPM Biofore house, Alvar Aallon katu 1, Helsinki, Finland

09:00 Coffee and Registration

09:15 Keynote Speaker: Microphysiological Systems: Opportunities and Challenges

*Rob Howes, Director Discovery Biology  
AstraZeneca, Cambridge, United Kingdom*

10:00 Three-Dimensional Invasion Assay for High-Throughput RNAi Screens:  
Screening the Human Degradome

*Dr. Ville Härmä, Research Scientist at Misvik Biology, Visiting Scientist at University of  
Helsinki, Finland*

10:30 Coffee Break

11:00 Automated human neural organoids for high throughput applications

*Dr. Jan M. Bruder, Max Planck Institute for Molecular Biomedicine  
Muenster, Germany*

11:30 Body's own healing empowered by novel tricks – how to dissect wound healing process

*Dr. Saara Laitinen, R&D Manager, Finnish Red Cross Blood Service  
Helsinki, Finland*

12:00 Biomaterial engineering in ophthalmology – from vision to insight

*Dr. Daniel Thieme, University of Erlangen-Nürnberg  
Erlangen, Germany*

12:30 Lunch Break

13:30 GrowDex sustains viability of human placental explants and syncytialises cytotrophoblast  
cells: towards a novel platform for studying placental signalling and physiology

*Dr Emmanouil Karteris, Senior Lecturer and Head of the Cancer Biomarker and Cellular  
Endocrinology Laboratory, Brunel University London, Uxbridge, United Kingdom*

14:00 Cell Cultivation in 3D Environments: Aspects to Control, Monitoring and 3D Patterning

*Prof. Dr. Pasi Kallio, Vice Director in the Faculty of Biomedical Sciences and Engineering at  
Tampere University of Technology, Finland*

14:30 3D cultures of human neural cells

*Prof. Dr. Susanna Narkilahti, Group Leader BioMediTech Neuro Group  
University of Tampere, Finland*

15:00 Helsinki Phage Therapy Initiative

*Dr. Saija Kiljunen, Senior Researcher at University of Helsinki, Finland*

15:30 Day 2 round up, Image competition and Poster Awards

16:00 Conference Close