

Conference Programme

4th Annual Visions for 3D Cell Culture

13th – 14th November, Helsinki

Tuesday 13th November

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

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| 14:00 | Coffee and Registration |
| 14:15 | Welcome and conference opening |
| 14:30 | Keynote Speaker: Nanofibrillar cellulose in biomedical applications
<i>Prof. Dr. Marjo Yliperttula, Professor of Biopharmaceutics at University of Helsinki, Finland</i> |
| 15:15 | Strategies for dynamic cultivation of stem cells under physiological conditions (including 3 D, bioreactors and hypoxic conditions)
<i>Prof. Dr. Cornelia Kasper, President Austrian Society for Tissue Engineering and Regenerative Medicine and Professor of Biotechnology, University of Natural Resources and Life Sciences, Vienna, Austria</i> |
| 15:45 | Coffee Break |
| 16:15 | 3D cell culture technology in India: opportunities, challenges and prospects
<i>Prof. Mohammad A. Akbarsha, Hony. Research Coordinator, National College (Autonomous). Formerly Director & Chair, Mahatma Gandhi-Doerenkamp Center, Bharathidasan University, Tiruchirappalli, India</i> |
| 16:45 | Imaging and Analysis of Three-dimensional Stem Cell Cultures
<i>Dr Darius Widera, Assistant Professor & Lecturer 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 14th November 2018

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- 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 TBC
*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 Cellular Endocrinology
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 Scientist at University of Helsinki, Finland
- 15:30 Day 2 round up, Image competition and Poster Awards
- 16:00 Conference Close