Goodbye Flat Biology: Next Generation Cancer Models Programme

Virtual event, Worldwide
5 - 6 October 2021

Scientific Programme

Tuesday 5th October 2021

Listed times are in Central European Summer Time (CEST)

13:00 WELCOME TO DAY 1
Scientific Programme Committee

SESSION 1
Chair: Emmanuel Donnadieu

13:05 **Johanna Ivaska**
University of Turku, Finland
"Rigidity and ECM composition guided cancer progression"

Q&A: 13:25 - 13:45

13:45 Sponsor Introductions

13:50 **Marianna Kruithof-de Julio**
Bern University, Switzerland
"Patient derived organoids in Precision Medicine"

Q&A: 14:10 - 14:30

14:30 5-minute break

14:35 INDUSTRY SYMPOSIUM - NEXCELOM
Martin Theiss
From assay setup to quantitative data - Image Cytometry for 3D assays

15:05 BREAK
coffee & stretching

SESSION 2
Chair: Valerie Weaver

15:20 'THE EMBO KEYNOTE LECTURE'
Matthias Lütolf
EFPL, Switzerland
"Engineering next-generation tumoroids"

Q&A: 15:40 - 16:00

16:00 5-minute break

16:05 **Proffered Paper 1: David Bryant**
CRUK Beatson Institute, UK
"Regulation of prostate cancer metastasis by crosstalk between the sialomucin Podocalyxin and integrin signalling"

Q&A: 16:15 - 16:25

16:25 **Proffered Paper 2: Florijn Dekkers**

Prinzess Maxima Center for Pediatric Oncology, Netherlands
"Behavioral-transcriptomic landscape of engineered T cells targeting human cancer organoids"

Q&A: 16:35 - 16:45

16:45 INDUSTRY SPOTLIGHT - FLUICELL
Andreas Svanström, Ph.D
Advanced Heterogeneous Cell Culture Models

16:50 5-minute break

16:55 **Jasmin Hunsrucker**
Merck KGaA, Germany
"3D Co-culture system representing the tumor microenvironment"

Q&A: 17:15 - 17:35

17:35 POSTER SPOTLIGHTS
3 top abstracts presented as 3-minute flash talks

17:45 'MEET THE SPEAKERS AND SCIENTIFIC PROGRAMME COMMITTEE'
An informal opportunity to meet and ask questions to the speakers and members of the Scientific Programme Committee.

18:30 INFORMAL GATHERING IN 'GATHER'
Informal opportunity for participants to browse posters, visit trade stands and network. The virtual exhibition hall and posters will remain open for 24 hours for you to browse at your leisure.

Wednesday 6th October 2021

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12:30 VIRTUAL POSTER DISCUSSION SESSION

14:00 WELCOME TO DAY 2
Scientific Programme Committee

SESSION 3
Chair: Peter Friedl

14:05 **Philippe Bousso**
Institut Pasteur, France
"Decoding the mode of action of tumor immunotherapies using intravital imaging"

Q&A: 14:25 - 14:45

14:45 5-minute break

14:50 **Proffered Paper 3: Kendelle Murphy**
Garvan Institute of Medical Research, Australia
"Intravital imaging technology guides FAK mediated priming in pancreatic cancer precision medicine according to Merlin status"

Q&A: 15:00 - 15:10

15:10 **Proffered Paper 4: Patricia Pérez-Galán**
IDIBAPS, Spain
"Multi-cellular patient-derived non-Hodgkin lymphoma tumoroids: A tool to recapitulate tumor microenvironment, study disease biology and perform

drug screening"

Q&A: 15:20 - 15:30

15:30 5-minute break

15:35 INDUSTRY SYMPOSIUM - LGC STANDARDS
Nirmal Perera
"Getting closer to in vivo with 3D cancer organoids"

16:05 BREAK
coffee & stretching

SESSION 4
Chair: Henriëtte Lanz

16:20 **Danijela Vignjevic**
Marie Curie Institute, France
Cancer-associated fibroblasts actively compress cancer cells and modulate mechanotransduction

Q&A: 16:40 - 17:00

17:00 INDUSTRY SPOTLIGHT - UPNANO
Aleks Ovsianikov
3D Printing and Biofabrication

17:05 5-minute break

17:10 **Andrew Ewald**
John Hopkins Medicine, USA
Cellular and molecular mechanisms of breast cancer metastasis

Q&A: 17:30 - 17:50

17:50 5-minute break

17:55 MEET THE EXPERT TALK
Valerie Weaver
UCSF, USA
An interactive session where our expert will share personal and professional experiences and advice.

18:40 END OF DAY 2 SUMMARY