Imaging Cancer: Gaining insights from cells to organisms Programme

Virtual Event, Worldwide

29 - 30 June 2021

Scientific Programme

Tuesday 29th June 2021

13:00 WELCOME TO DAY 1

SESSION 1: VISUALIZING EARLY CANCER IN THE TISSUE AND ORGAN CONTEXTS

Chair: Daniele Regge

13:05 **Frauke Alves**
Max Planck Institute, Germany
"Multiscale imaging strategies for preclinical evaluation of novel therapeutic and diagnostic concepts in cancer"

Q&A: 13:25 - 13:45

13:45 Sponsor Introductions

13:50 **Vasilis Ntziachristos**
Helmholtz Centre Munich (HMGU) & Technical University of Munich (TUM), Germany
"Optoacoustics and cancer"

Q&A: 14:10 - 14:30

14:30 5-minute break

14:35 SYMPOSIUM - 10X GENOMICS

Koen De Gelas
10x Genomics
"Single cell and spatial transcriptomic methods to understand Cancer"

15:05 BREAK
coffee & stretching

SESSION 2: REVEALING CANCER HETEROGENEITY ACROSS SCALES

Chair: Heinz-Peter Schlemmer

15:20 **Jacky Goetz**
INSERM U1109, France
"Tracking the last steps of tumor metastasis at high resolution"

Q&A: 15:40 - 16:00

16:00 5-minute break

16:05 **Hayri Emrah Balc□o□lu**
Proffered Paper 1: "TME Analyzer: a novel multi-dimensional visualization and analysis tool to identify immune contexture-based predictors in tumors"

Q&A: 16:15 - 16:25

16:25 **Jose Javier Bravo-Cordero**
Icahn School of Medicine at Mount Sinai, NY, USA

Proffered Paper 2: "High-resolution intravital microscopy reveals the plastic behavior of disseminated dormant cells and their niches"

Q&A: 16:35 - 16:45

16:45 INDUSTRY SPOTLIGHT - INDICA LABS

Kate Lillard Tunstall, PhD
Chief Scientific Officer, Indica Labs
"Spatially-resolved profiling of the tumour microenvironment using multiplexed tissue image analysis and deep learning."

16:50 5-minute break

16:55 **Vicky Goh**
King's College London, UK
"Imaging cancer heterogeneity in clinical practice"

Q&A: 17:15 - 17:35

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

17:45 NETWORKING RECEPTION
In the Gather online platform
An informal opportunity to browse the posters, meet our sponsors and make new connections. Bring your own drink to recreate the feel of an in-person EACR conference!

Wednesday 30th June 2021

12:30 VIRTUAL POSTER DISCUSSION SESSION
In the Gather online platform

14:00 WELCOME TO DAY 2

14:05 INTRODUCION TO EUCANIMAGE

Karim Lekadir
University of Barcelona, Spain

SESSION 3: PREDICTING AND MONITORING RESPONSE TO TREATMENT
Chair: Erik Sahai

14:15 **Regina Beets-Tan**
NKI, Netherlands
"Better imaging leads to better treatment and outcome"

Q&A: 14:35 - 14:55

14:55 5-minute break

15:00 **Jovana Panic**
Politecnico di Torino, Italy
Proffered Paper 3: "MRI-based radiomics to predict tumor response in Locally Advanced Rectal Cancer in a multicenter study: model development and external validation."

Q&A: 15:10 - 15:20

15:20 **Giorgia Zambito**
Erasmus MC, Netherlands
Proffered Paper 4: "Fluorinated PLGA-PEG-mannose nanoparticles for tumor-associated macrophage detection by optical imaging and MRI"

Q&A: 15:30 - 15:40

15:40 5-minute break

15:45 SYMPOSIUM - NANOSTRING
Jessica Roelands
LUMC Netherlands
"Reconstructing colorectal cancer tumorigenesis with digital spatial profiling"

16:15 BREAK
coffee & stretching

SESSION 4: EVALUATING THE EXTENT AND SPREAD OF DISEASE
Chair: Laura Mezzanotte

16:30 **Julie Sutcliffe**
University of California, USA
"Molecularly targeted imaging and treatment via the integrin □(v)□(6)"

Q&A: 16:50 - 17:10

17:10 10-minute break

17:20 **Heinz-Peter Schlemmer**
DKFZ, Germany
"Whole body imaging methods for deduction of tumour spreading"

Q&A: 17:40 - 18:00

18:00 5-minute break

18:05 DISCUSSION FORUM
A multidisciplinary exchange considering the opportunities and challenges of cancer imaging from basic research to translation into clinics.

18:50 END OF DAY 2 SUMMARY