

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 Balciolu**

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 **INTRODUCTION 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 $\alpha_6\beta_1$ "
- 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**