Imaging Cancer: Gaining insights from cells to organisms Programme

Berlin, Germany
7 - 9 September 2020

Scientific Programme

Monday 7th September 2020

12:00  REGISTRATION
      until 13:30
12:30  WELCOME LUNCH & TRADE
13:30  CONFERENCE WELCOME
      Scientific Programme Committee
      SESSION 1: VISUALIZING EARLY CANCER IN THE TISSUE AND ORGAN CONTEXT
      Chair: Erik Sahai
13:35  KEYNOTE LECTURE
      Frauke Alves
      Max Planck Institute, Germany
14:20  Daniele Regge
      Candiolo Cancer Research Institute (IRCC), Italy
14:50  Proffered Paper 1
15:05  EXHIBITOR INTRODUCTIONS
      60-second intro pitches by each company
15:15  COFFEE BREAK & TRADE
15:45  Peter Friedl
      Radboud UMC, Netherlands
      “Engineering intravital microscopy models for bone metastasis and therapy response”
16:15  Jan Grimm
      MSKCC, USA
16:45  Proffered Paper 2
17:00  Sarah Bohndiek
      University of Cambridge, UK
      “Revealing tumour vascular phenotypes using optoacoustic imaging”
17:30  POSTER SPOTLIGHTS
      3 top abstracts presented as 3 minute flash talks
17:40  INDUSTRY SPOTLIGHT - PREMIUM SPONSOR
17:55  NETWORKING RECEPTION
      including drinks and light food
18:30  POSTER DISCUSSION SESSION 1
      until 20:00
Tuesday 8th September 2020

08:45  INDUSTRY SPOTLIGHT - FLUIDIGM

SESSION 2: REVEALING CANCER HETEROGENEITY ACROSS SCALES
Chair: Daniele Regge

09:00  KEYNOTE LECTURE
Vicky Goh
King’s College London, UK

09:45  Simon Walker-Samuel
UCL, UK
“Combining mechanistic modelling, machine learning and biomedical imaging to probe the tumour microenvironment and assess response to treatment”

10:15  Proffered Paper 3

10:30  COFFEE BREAK & TRADE

11:00  Jacky Goetz
INSERM U1109, France
“Tracking the last steps of tumor metastasis at high resolution”

11:30  Philippe Lambin
Maastricht University, Netherlands
“Handcrafted Radiomics and Deep Learning: medical images are not pictures but quantitative data”

12:00  POSTER SPOTLIGHTS
3 top abstracts presented as 3 minute flash talks

12:15  INDUSTRY SYMPOSIUM - NANOSTRING TECHNOLOGIES

12:45  LUNCH

13:30  POSTER DISCUSSION SESSION 2

SESSION 3: EVALUATING THE EXTENT AND SPREAD OF DISEASE
Chair: Sarah Bohndiek

15:00  KEYNOTE LECTURE
Ron Kikinis
Fraunhofer MEVIS, USA/Germany
“Where is the annotation? The challenge of organizing research data”

15:45  Heinz-Peter Schlemmer
DKFZ, Germany
“Whole body imaging methods for deduction of tumour spreading”

16:15  Proffered Paper 4

16:30  COFFEE BREAK & TRADE

17:00  Julie Sutcliffe
University of California, Davis, USA

17:30  Vasilis Ntziachristos
Helmholtz Centre Munich, Germany
“Optical and Optoacoustic imaging: the revolution of label free observations”

18:00  PANEL DISCUSSION
until 19:00
Optional ticketed dinner beginning with a drinks reception in the Planck Lobby of Harnack House

**Wednesday 9th September 2020**

09:00  **MEET THE EXPERT**

**SESSION 4: PREDICTING AND MONITORING RESPONSE TO TREATMENT**
Chair: Heinz-Peter Schlemmer

09:30  **THE EMBO KEYNOTE LECTURE**
Erik Sahai
The Francis Crick Institute, UK

10:15  **Jason Lewis**
MSKCC, USA
"Imaging and therapy of Low Abundance Targets"

10:45  **COFFEE BREAK & TRADE**

11:15  **Proffered Paper 5**

11:30  **Regina Beets-Tan**
NKI, Netherlands

12:00  **KEYNOTE LECTURE**
Elisabeth de Vries
University Medical Center Groningen, Netherlands
"Molecular imaging to guide systemic treatments in oncology"

12:45  **CONFERENCE SUMMARY**

13:00  **LUNCH & DEPART**