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

08:15  POSTER VIEWING
       Tea/coffee available

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 Ntziairchistos
       Helmholtz Centre Munich, Germany
       “Optical and Optoacoustic imaging: the revolution of label free observations”
18:00  PANEL DISCUSSION
       until 19:00
19:30  CONFERENCE DINNER
       Optional ticketed dinner beginning with a drinks reception in the Planck Lobby
       of Harnack House

Wednesday 9th September 2020

08:15  POSTER VIEWING
       Tea/coffee available
09:00  MEET THE EXPERT
       SESSION 4: PREDICTING AND MONITORING RESPONSE TO TREATMENT
       Chair: Heinz-Peter Schlemmer
09:30  Regina Beets-Tan
       NKI, Netherlands
10:00  Proffered Paper 5
10:15  Jason Lewis
       MSKCC, USA
       “Imaging and therapy of Low Abundance Targets”
10:45  COFFEE BREAK & TRADE
11:15  Proffered Paper 6
11:30  Erik Sahai
       The Francis Crick Institute, UK
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