Dear Participant,

Welcome to the 13th Charles Rodolphe Brupbacher Symposium. During the coming two and a half days, you will hear talks covering the key topics of cutting-edge cancer research including cancer genomics, cancer signalling and targeted therapy, genomic instability, cancer epigenetics, cancer stem cells, tumour microenvironment and tumour immunity, and cancer therapy.

You will also have the opportunity to discuss the latest developments in cancer research with the authors of more than 200 posters during Wednesday evening’s poster session.

On Thursday afternoon, three outstanding scientists who made seminal contributions to two of these important research topics will receive the highly-prestigious Charles Rodolphe Brupbacher Cancer Research Prize 2017. We hope that you will enjoy the symposium and look forward to your active participation and stimulating discussions.

Josef Jiricny
Nancy Hynes

Wednesday, February 1, 2017

12:00 – 13:30 Registration and Sandwich Lunch
13:30 – 15:00 Cancer Genomics
Chair: Holger Moch, Zurich

Richard Houlston: Polygenic susceptibility to colorectal cancer - mechanisms and impact
Jussi Taipale: Systems biology of cancer
Charles Swanton: Cancer chromosomal instability, diversity and evolution: TRACERx

15:00 – 15:30 Coffee break
15:30 – 17:30 Cancer Signalling and Targeted Therapy
Chair: Nancy Hynes, Basel

Myles Brown: Hacking the hormone code in cancer
Yibin Kang: Stromal niches in bone that mediate the seeding, progression and treatment resistance of metastatic breast cancer
Lew Cantley: PI 3-kinase and cancer metabolism
Gerard Evan: RAS & MYC cooperation: 2017 update

18:30 – 21:30 Posters, Beer and Pretzels
Evening for all participants
Thursday, February 2, 2017

08:00 – 08:30 Registration and Coffee
08:30 – 10:00 Genomic Instability
   Chair: Lauri Aaltonen, Helsinki
   Simon Boulton: Mechanism and regulation of DNA-protein crosslink repair by the DNA-dependent metalloprotease SPRTN
   David Pellman: Rapid evolution of the cancer karyotype
   Angelika Amon: Aneuploidy and cancer - a complicated relationship

10:00 – 10:30 Coffee break
10:30 – 12:00 Cancer Epigenetics
   Chair: Josef Jiricny, Zurich
   Adrian Bird: Genetic determinants of the epigenome in development and cancer
   Maarten van Lohuizen: Context-dependent roles of polycomb repressors in cancer and development
   Margaret Goodell: DNMT3A in hematopoietic stem cells, cancer and aging

12:00 – 13:30 Lunch and Coffee
13:30 – 15:00 Cancer Stem Cells
   Chair: Markus G. Manz, Zurich
   Kornelia Polyak: Heterogeneity in breast cancer
   Benjamin Ebert: Clinical and biological consequences of clonal hematopoiesis
   Yusuf Hannun: Contributions of extrinsic factors to cancer

15:00 – 15:30 Coffee break
15:30 – 17:00 Tumour Microenvironment, Tumour Immunity
   Chair: Alexander Markham, Leeds
   Miriam Merad: Contribution of myeloid cells to tumour outcome
   Guido Kroemer: Cell death in pathophysiology: inexorable, avoidable or desirable
   Laurence Zitvogel: The unsuspected impact of the gut microbiota on cancer immunosurveillance

17:15 – 18:45 Award Ceremony
   Charles Rodolphe Brupbacher Prize for Cancer Research 2017
   Public Event

19:00 – 19:30 Apéro

Friday, February 3, 2017

08:00 – 08:30 Coffee
08:30 – 10:00 Breakthroughs in Cancer Therapy
   Chair: Miriam Merad, New York
   Michael Hallek: Towards control of chronic lymphocytic leukemia
   Jedd Wolchok: Combination checkpoint blockade: combinations and mechanisms
   Mark O’Connor: Development of olaparib: the first cancer therapy based on a targeted DNA damage response inhibitor

10:00 – 10:30 Coffee break
10:30 – 11:30 Breakthroughs in Cancer Biology
   Chair: Markus G. Manz, Zurich
   Alberto Bardelli: Cancer evolution as a therapeutic target
   David Lane: Drug discovery in the p53 pathway

11:30 – 12:00 Young Investigator Awards
   Nancy Hynes and Josef Jiricny
   Public Event

The selection will take place Wednesday evening (Posters, Beer and Pretzels), in the presence of the jury composed of the invited speakers and the Scientific Advisory Board. During the Symposium breaks the presenters are asked to be available for additional exchanges with the jury and with their colleagues.

12:15 End of Meeting

Poster abstract submission until: December 1, 2016
Registration until: January 30, 2017

CME Credits:
Kernfortbildungscredits AIM 12,5 points
SGMO 12 points
SPath 12 points
VSKT 3 points

Registration (free of charge) and poster abstract submission: www.brupbacher-foundation.org