14th Charles Rodolphe Brupbacher Symposium
in conjunction with the
Charles Rodolphe Brupbacher Prize
for Cancer Research 2019

Dear Participant,

Welcome to the 14th Charles Rodolphe Brupbacher Symposium. During the coming two and a half days, you will hear talks from international speakers covering the current major topics in cancer research, including tumour cell heterogeneity, cancer epidemiology, targeting signalling pathways and the microenvironment as well as breakthroughs in cancer therapy.

During the Wednesday evening poster session, you will also have the opportunity to discuss the latest developments in the cancer field with the speakers and the authors of more than 200 posters.

On Thursday evening, an outstanding scientist who has made seminal contributions to an important cancer field will receive the highly-prestigious Charles Rodolphe Brupbacher Cancer Research Prize 2019.

We hope that you will enjoy the symposium and look forward to your active participation and stimulating discussions.

Nancy Hynes  Lukas Sommer

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### Wednesday, January 30, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>12:00 – 13:30</td>
<td>Registration and Sandwich Lunch</td>
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<td>13:30 – 15:00</td>
<td><strong>Cancer Cell Heterogeneity</strong></td>
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<td>Chair: Lukas Sommer, Zurich</td>
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<td></td>
<td><strong>Andreas Trumpp</strong>: A single cell view on stem cells and cancer</td>
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<td><strong>Alain Puisieux</strong>: Cellular pliancy and breast cancer heterogeneity</td>
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<td><strong>Nicola Aceto</strong>: Heterogeneity and vulnerabilities of circulating tumor cells</td>
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<td>15:00 – 15:30</td>
<td>Coffee break</td>
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<td>15:30 – 17:30</td>
<td><strong>Genetics and Epigenetics</strong></td>
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<td>Chair: Lauri Aaltonen, Helsinki</td>
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<td><strong>Peter Lichter</strong>: From (epi) genomic profiling to clinical applications</td>
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<td><strong>Jean-Philippe Theurillat</strong>: Towards understanding genetically-defined subtypes of prostate cancer</td>
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<td><strong>Nada Jabado</strong>: Oncohistones: how to turn the cell’s symphony into non-harmonic rap</td>
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<td><strong>G. Steve Bova</strong>: Evolution of lethal prostate cancer at primary and metastatic sites: Can we identify what is important?</td>
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<td>17:45 – 21:30</td>
<td><strong>Posters, Beer and Pretzels</strong></td>
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<td>Evening for all participants</td>
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Thursday, January 31, 2019

08:00 – 08:30 Registration and Coffee
08:30 – 10:00 Big Data in Epidemiology and Cancer Research
   Chair: Sir Alex Markham, Leeds
   Richard J. Gilbertson: Mapping cancer origins - a route to prevention
   Ian R. Tomlinson: Inherited factors that influence cancer risk and behaviour
   Serena Nik-Zainal: Insights from cancer genome sequencing: Utilising the totality of mutagenesis for clinical purposes

10:00 – 10:30 Coffee break
10:30 – 12:00 Signalling Pathways in Response & Resistance to Cancer Therapy
   Chair: Nancy Hynes, Basel
   Mike Hall:
   Daniel S. Peeper: Towards rational combinatorial cancer treatment - a functional genomics approach
   Gerhard Christofori: Epithelial-mesenchymal cancer cell plasticity as escape route from therapy

12:00 – 13:30 Lunch and Coffee
13:30 – 15:00 Cancer Metabolism/Autophagy
   Chair: Josef Jiricny, Zurich
   Sean Morrison: The metabolic regulation of metastasis
   Pierre Close: Translation regulation through wobble tRNA modification in cancer
   Matthew Vander Heiden: Role of metabolism in supporting tumor progression

15:00 – 15:30 Coffee break
15:30 – 17:00 Tumour Microenvironment and Metastasis
   Chair: Miriam Merad, New York
   Karin de Visser: Dissecting tumor-genotype/immunophenotype relationships in metastatic breast cancer
   Johanna Joyce: Exploring and exploiting the tumour microenvironment
   Paul Frenette: Cancer regulation by the bone marrow microenvironment

17:15 – 18:30 Award Ceremony
   Charles Rodolphe Brupbacher Prize for Cancer Research 2019
   Public Event

18:45 – 19:15 Apéro

Friday, February 1, 2019

08:00 – 08:30 Coffee
08:30 – 10:00 Breakthroughs in Cancer Therapy
   Chair: Markus Manz, Zurich
   Antoni Ribas: Overcoming PD-1 blockade resistance
   Andrew W. Roberts: Targeting BCL2 as therapy for haematological malignancies: from concept to emerging clinical applications
   Peter Hillmen: Curing CLL: A glimpse into the future of cancer treatment?

10:00 – 10:30 Coffee break
10:30 – 11:30 Breakthroughs in Cancer Biology
   Chair: Holger Moch, Zurich
   Bernd Bodenmiller: Highly multiplexed analysis of tissue ecosystems using imaging mass cytometry
   Nicola Valeri: Patient-derived organoids: promises, hurdles and potential clinical applications

11:30 – 12:00 Young Investigator Awards
   Nancy Hynes and Lukas Sommer
   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 starts on September 1, 2018 and ends December 1, 2018
Registration until: January 27, 2019

CME Credits (applications pending):
Kernfortbildungscredits AIM 13 points
SGMO 12 points
SGPath 12 points
VSKT 3 points

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