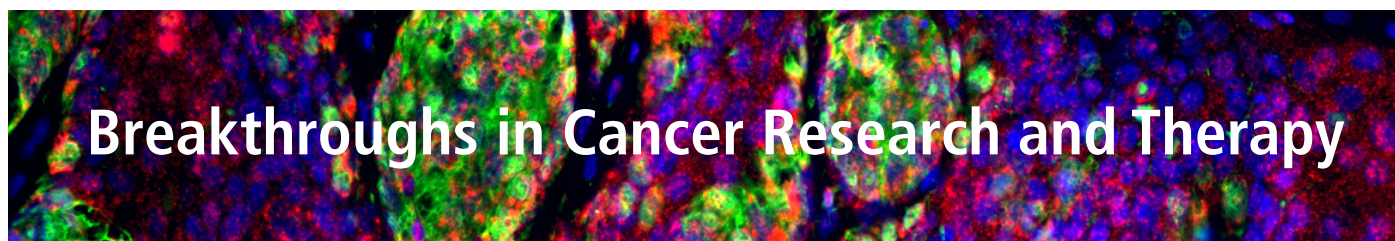


# 14<sup>th</sup> Charles Rodolphe Brupbacher Symposium

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



January 30 –  
February 1, 2019



University of  
Zurich <sup>UZH</sup>

## Symposium Location:

ETH Swiss Federal Institute of Technology, Main Building,  
Rämistrasse 101, AudiMax (HG F 30)

**Tuesday, January 29, 2019**

19:00 – 20:00 **Charles Rodolphe Brupbacher Public Lecture**

**Anne Müller:**

ETH Swiss Federal Institute of Technology, Main Building, AudiMax (HG F 30)

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

**Wednesday, January 30, 2019**

12:00 – 13:30 Registration and Sandwich Lunch

13:30 – 15:00 Cancer Cell Heterogeneity

Chair: Lukas Sommer, Zurich

**Andreas Trumpp:** A single cell view on stem cells and cancer

**Alain Puisieux:** Cellular pliancy and breast cancer heterogeneity

**Nicola Aceto:** Heterogeneity and vulnerabilities of circulating tumor cells

15:00 – 15:30 Coffee break

15:30 – 17:30 Genetics and Epigenetics

Chair: Lauri Aaltonen, Helsinki

**Peter Lichter:** From (epi) genomic profiling to clinical applications

**Jean-Philippe Theurillat:** Towards understanding genetically-defined subtypes of prostate cancer

**Nada Jabado:** Oncohistones: how to turn the cell's symphony into non-harmonic rap

**G. Steve Bova:** Evolution of lethal prostate cancer at primary and metastatic sites:

Can we identify what is important?

17:45 – 21:30 **Posters, Beer and Pretzels**

Evening for all participants

## 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	12,5 points
SGMO	12 points
SGPath	12 points
SGH/SSH	12 points
VSKT	3 points

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

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