



Charles Rodolphe  
Brupbacher Foundation

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**Poster abstract submission** starts on September 1, 2018  
and ends December 1, 2018  
**Registration until:** January 27, 2019

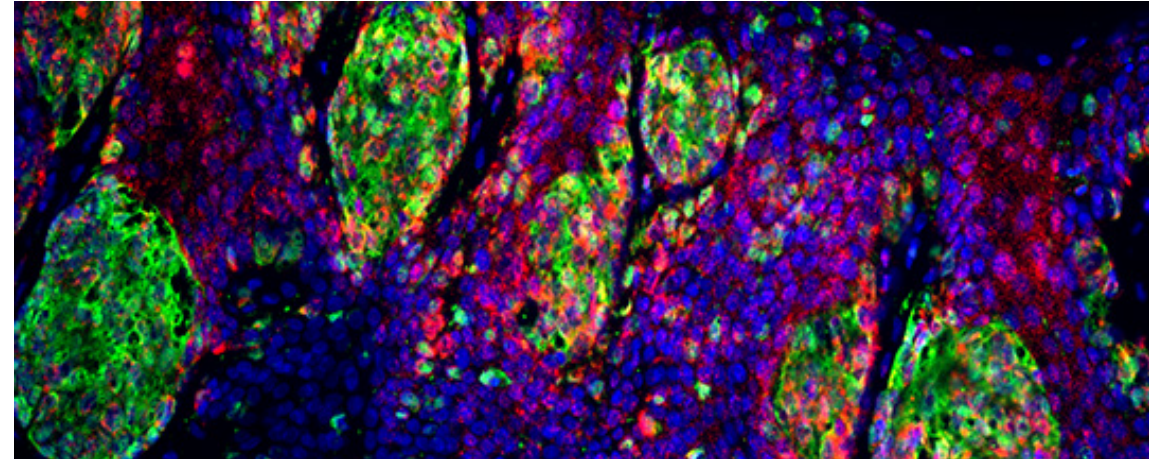
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### CME Credits

Kernfortbildungscredits AIM ..... 13 points  
SGMO ..... 12 points  
SGPath ..... 12 points  
SGH/SSH ..... 13 points  
VSKT ..... 1 day\*

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

\* 1 Tag Weiterbildung für versuchsdurchführende  
Personen und Versuchsleiter/-innen empfohlen  
durch VSKT



JANUARY 30 – FEBRUARY 1, 2019 — ZÜRICH, SWITZERLAND

# Charles Rodolphe Brupbacher Symposium 2019

Breakthroughs in Cancer Research and Therapy  
Award ceremony of the Charles Rodolphe Brupbacher Prize

### Symposium Organizers:

**Nancy Hynes**, Basel and  
**Lukas Sommer**, Zurich

### Registered Office

C.R. Brupbacher Foundation  
Zollstrasse 2, P.O. Box 1611  
9490 Vaduz, Principality of Liechtenstein

### Scientific Secretariat

Bahnhofstrasse 24, P.O. Box  
8024 Zurich, Switzerland

[office@brupbacher-foundation.org](mailto:office@brupbacher-foundation.org)  
[www.brupbacher-foundation.org](http://www.brupbacher-foundation.org)

### Symposium Location:

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

In collaboration with the University of Zürich



**SYMPOSIUM PROGRAM**

Dear Participant,

Welcome to the 14<sup>th</sup> 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 100 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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## TUESDAY, JANUARY 29, 2019

19:00 – 20:00

### Charles Rodolphe Brupbacher Public Lecture

**Anne Müller:** Mikrobielle Infektionen als Ursache von Krebs

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

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## WEDNESDAY, JANUARY 30, 2019

12:00 – 13:30

### Registration and Sandwich Lunch

13:30 – 15:00

### Cancer Cell Heterogeneity

Chair: Lukas Sommer, Zurich

**Andreas Trumpf:** 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 the understanding of genetically-defined subtypes of prostate cancer

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

**G. Steven Bova:** Evolution of lethal metastatic cancer at primary and metastatic sites: Can we identify what is important?

17:45 – 21:30

### Posters, Beer and Pretzels

Evening for all participants

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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:** Multi-organ mapping of cancer origins

**Ian 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

**Michael N. Hall:** Mechanisms of Evasive Resistance in HCC

**Daniel S. Peeper:** Towards rational combinatorial cancer treatment – a functional genomics approach

**Gerhard Christofori:** Regulatory circuits in EMT, cell plasticity and cancer metastasis

12:00 – 13:30

### Lunch and Coffee

13:30 – 15:00

### Cancer Metabolism/Autophagy

Chair: Josef Jiricny, Zurich

**Sean Morrison:** Lactate exchange promotes oxidative stress resistance and melanoma metastasis

**Pierre Close:** Codon-specific mRNA translation regulation 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

### Charles Rodolphe Brupbacher Prize for Cancer Research 2019

Award Ceremony

Public Event

18:30 – 19:00

### Apéro

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## FRIDAY, FEBRUARY 1, 2019

08:00 – 08:30

### Coffee

08:30 – 10:00

### Breakthroughs in Cancer Therapy

Chair: Markus Manz, Zurich

**Antoni Ribas:** Overcoming resistance to PD-1 blockade therapy

**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 imaging of tissues with subcellular resolution by 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