

Hinterzartener Kreis der DFG für Krebsforschung

From Molecular Mechanisms to Cancer Therapy
May 19th – 22nd 2022 Cadenabbia, Italy (Villa La Collina)



Program Committee:

Almut Schulze, Heidelberg (Chair)
Claudia Scholl, Heidelberg
Florian Bassermann, München
Hubert Serve, Frankfurt
Florian Greten, Frankfurt

Thursday, May 19th 2022

Arrival until 2:30 p.m. in Cadenabbia, Italy

14:30 -17:00 Sightseeing

19:30 **Dinner**

Friday, May 20th 2022

9:00 – 9:15 Welcome and Introduction
Almut Schulze, Chair of the Program Committee
Stefan Thiel, German Research Foundation

Session I: Exploring new avenues to treat incurable cancers

Chair: Almut Schulze, Heidelberg

9:15 – 9:30 Almut Schulze, German Cancer Research Center, Germany
Introduction

9:30 – 10:00 Paul Mischel, University of California, USA
Extrachromosomal DNA (ecDNA): Cancer's dynamic circular genome

10:00 – 10:30 Coffee Break

10:30 – 10:45 Julieta Alfonso, German Cancer Research Center, Germany
Lipid utilization in glioblastoma growth and invasion

10:45 – 11:15 Alpaslan Tasdogan, University Hospital Essen, Germany
Targeting Metabolic Liabilities in Cancer Metastasis

Session II: Functional Precision Cancer Medicine

Chair: Claudia Scholl, Heidelberg

11:30 – 11:45 Charles Samuel Umbaugh, German Cancer Research Center (DKFZ), Germany
Introduction

11:45 – 12:15 Alana Welm, University of Utah, USA
Patient-derived models of breast cancer for drug discovery and clinical application

12:30 – 13:30 Lunch

13:30– 14:00 Bernd Bodenmiller, University of Zurich, Switzerland
Highly multiplexed imaging of tissues with subcellular resolution by imaging mass cytometry

14:00 – 14:15 Tea Pemovska, Medical University Vienna, Austria
Translational chemical systems biology of hematological cancers

Session III: Cancer Metabolism

Chair: Hubert Serve, Frankfurt

14:30 – 14:45 Hubert Serve, University of Frankfurt, Germany
Introduction

14:45 – 15:15 Matthew Vander Heiden, Koch Institute for Integrative Cancer Research, USA
Impact of nutrient availability on cancer progression

15:15 – 15:45 Ralph DeBerardinis, University of Texas Southwestern Medical Center, USA
Metabolism and cancer progression

15:45 – 16:15 Coffee Break

16:15 – 16:45 Andreas Trumpp, German Cancer Research Center, Germany
Leukemic Stem Cells

16:45 – 17:15 Gina DeNicola, Moffitt Cancer Center, USA
NRF2 and cancer metabolism

19:30 Dinner

Saturday, May 21st 2022

Session IV: Microbiome and cancer

Chair: Florian Bassermann, München

9:00 – 9:15 Florian Bassermann, Technical University of Munich, Germany
Introduction

9:15 – 09:45 Sebastian Zeissig, Technical University of Dresden, Germany
Microbial control of anti-tumor immunity in colorectal cancer

9:45 – 10:15 Marcel R. M. van den Brink, Memorial Sloan Kettering Cancer Center, USA
The role of the intestinal microbiome in cancer immunotherapy

10:15 – 10:45 Coffee Break

10:45 – 11:00 Hendrik Poeck, University Hospital Regensburg, Germany
Identification of Protective, Metabolite-producing Bacterial and Viral Consortia in Allogeneic Stem Cell Transplantation Patients

11:00 – 11:30 Erik T. Orberg, Technical University of Munich, Germany
Intestinal, microbiota-derived metabolites induce epithelial recovery via STING and improve outcome in stem cell transplantation

12:00 – 1:00 Lunch

Session V: Cellular plasticity in the tumour microenvironment

Chair: Florian Greten, Frankfurt

14:00 – 14:15 Florian Greten, University of Frankfurt, Germany

Introduction

14:15 – 14:45 Omer Yilmaz, Koch Institute for Integrative Cancer Research at MIT, USA

Dietary control of stem cells in physiology and disease

14:45 – 15:15 Stefano Piccolo, University of Padova, Italy

Cell mechanics at the cross road between cancer, regeneration and ageing

15:15 – 15:45 Coffee Break

15:45 – 16:15 Stefan Fichtner-Feigel, University Hospital Freiburg, Germany

Cellular Plasticity in Stage IV Colorectal Cancer

16:15 – 16:30 Giulia Biffi, University of Cambridge, United Kingdom

No Cancer Cell is an Island: why the microenvironment matters during pancreatic cancer progression and treatment

16:30 – 18:00 Meeting of the Program Committee

19:00 Candle Light Dinner at the Villa

Sunday, May 22nd 2022

Departure after breakfast and light snack for lunch

Additional information

Venue of the Meeting:

Villa La Collina

Via Roma 11

22011 Cadenabbia (Co)

Italy

Tel.: +39-344 441 11, Fax: +39-344 410 58

www.villalacollina.info

*Sightseeing Suggestions

Villa Carlotta - <http://www.villacarlotta.it/>

Bellagio - <https://lakecomotravel.com/bellagio/>

San Martino - <http://www.cadenabbiadigriante.com/inglese/itinerari/09.asp>

Contact Information at the German Research Foundation:

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