

Hinterzarterner Kreis der DFG für Krebsforschung

From Molecular Mechanisms to Cancer Therapy

May 9 - May 12, 2019
Villa La Collina
Cadenabbia (Co), Italy



Program Committee

Florian Bassermann, München (Chair)

Florian Greten, Frankfurt

Andreas Neubauer, Marburg

Almut Schulze, Würzburg

Claudia Scholl, Heidelberg

Thursday, May 9, 2019

Arrival until 2:30 p.m.

3:30 – 3:45 Welcome and Introduction
Florian Bassermann, Chair of the Program Committee
Stefan Thiel, German Research Foundation

Session I: Solute Carrier Proteins (SLCs) in Cancer"
Chair: Florian Bassermann, München

3:45 – 4:00 Florian Bassermann, University Hospital rechts der Isar, Germany
Introduction

4:00 – 4:30 Nora Kory, Whitehead Institute, USA
"Mitochondrial transporters and cellular metabolism"

4:30 – 4:45 Ruth Eichner, CeMM, Austria
"Dissecting the regulation of SLC expression in hematopoietic cancer"

4:45 – 5:00 Coffee Break

5:00 – 5:30 Peter Murray, Max-Planck Institute of Biochemistry, Germany
"Amino acid metabolic flux in cancer immunity"

5:30 – 6:00 Jacques Pouyssegur, Institute for Research on Cancer and Aging, France
"Targeting Acidic, Nutritional and Oxidative stresses in cancer"

7:30 p.m. Dinner

Friday, May 10, 2019

Session II: In vivo Screening – successes and challenges
Chair: Florian Greten, Frankfurt

9:00 – 9:15 Florian Greten, Institute for Tumor Biology and Experimental Therapy, Germany
Introduction

9:15 – 9:45 Jorge de la Rosa, Wellcome Sanger Institute, UK
“Deciphering human cancer genomes through transposon mutagenesis screens in mice”

9:45 – 10:00 Randall J Platt, ETH Zurich, Switzerland
“Development and application of CRISPR systems for gene editing and transcriptional recording”

10:00 – 10:30 Robert Manguso, Broad Institute, USA
“Loss of Adar1 in tumors overcomes resistance to cancer immunotherapy”

10:30 – 11:00 **Coffee Break**

11:00 – 11:30 Daniel S Peeper, The Netherlands Cancer Institute, The Netherlands
“Rational cancer & immune cell therapy combinations - a functional genomics approach”

12:00 – 1:00 **Lunch break**

1:00 – 4:00 **Free time, Individual Sightseeing****

****Sightseeing Suggestions**

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

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

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

Friday, May 10, 2019

Session III: Precision oncology; hype and hope
Chair: Andreas Neubauer, Marburg

4:15 – 4:30 Andreas Neubauer, University of Marburg, Germany
Introduction

4:30 – 5:00 Eileen Dolan, The University of Chicago, USA
“Personalizing Cancer Survivorship: Is There a Role for Genomics?”

5:00 – 5:15 Barbara Grüner, University Hospital Essen, Germany
“Multiplexed Deconvolution of Metastasis and Therapy Response in vivo”

5:15 – 5:30 **Coffee Break**

5:30 – 6:00 René Bernards, The Netherlands Cancer Institute, The Netherlands
“Thinking differently about drug combinations”

6:00 – 6:30 Edison T. Liu, The Jackson Laboratory, USA
“Genomic Configurations Define a Cancer State: Tandem Duplicator Phenotype”

6:30 – 7:00 Crystal Mackall, Stanford Cancer Institute, USA
“Engineering Exhaustion Resistant T Cells”

7:30 p.m. Dinner

Saturday, May 11, 2019

Session IV: Determinants of cancer dissemination
Chair: Almut Schulze, Würzburg

9:00 – 9:15 Almut Schulze, University of Würzburg, Germany
Introduction

9:15 – 9:45 Christoph Klein, University of Regensburg, Germany
“From early dissemination to manifest metastasis“

9:45 – 10:00 José Pedro Friedmann Angeli, University of Würzburg, Germany
“Characterization of a novel ferroptosis suppressor“

10:00 – 10:15 **Coffee Break**

10:15 – 10:45 Sarah-Maria Fendt, VIB-KU Leuven Center for Cancer Biology, Belgium
“The role of metabolism in metastasis formation“

10:45 – 11:15 George Poulgiannis, The Institute of Cancer Research, UK
“Probing metabolism for the diagnosis and treatment of mutant PIK3CA-bearing cancers“

12:00 – 1:45 **Lunch Break**

Saturday, May 11, 2019

Session V: Protein degradation as cancer therapy
Chair: Claudia Scholl, Heidelberg

2:00 – 2:15 Claudia Scholl, DKFZ, Germany
Introduction

2:15 – 2:45 Craig M. Crews, Yale University, USA
"PROTAC-mediated Protein Degradation: A New Therapeutic Modality"

2:45 – 3:00 Georg Winter, CeMM, Austria
"Genetic determinants of targeted protein degradation"

3:00 – 3:30 **Coffee Break with cake**

3:30 – 4:00 Benjamin L. Ebert, Dana-Farber Cancer Institute, USA
"Drug-induced degradation of zinc finger transcription factors"

4:00 – 4:30 Ingrid E. Wertz, Genentech, USA
"Co-opting the ubiquitin system for therapeutic benefit"

5:00 – 6:30 **Meeting of the Program Committee**

7:00 p.m. **Candle Light-Dinner at the Villa**

Sunday, May 12, 2019

Departure after breakfast and light snack for lunch

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**

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