

# Hinterzartener Kreis der DFG für Krebsforschung

## From Molecular Mechanisms to Cancer Therapy

March 23 - March 26, 2017  
Villa La Collina  
Cadenabbia (Co), Italy



### Program Committee

Andreas Neubauer, Marburg (Chair)  
Florian Bassermann, München  
Anja Bosserhoff, Erlangen  
Florian Greten, Frankfurt  
Ursula Klingmüller, Heidelberg

**Thursday, March 23, 2017**

**Arrival until 2:30 p.m.**

**3:30 – 3:45 Welcome and Introduction**  
**Andreas Neubauer, Chair of the Program Committee**  
**Eckard Picht, German Research Foundation**

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**Session I: Therapeutic Avenues in Cancer**  
**Chair: Andreas Neubauer, Marburg**

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**3:45 – 4:00** Andreas Neubauer, University of Marburg, Germany  
Introduction

**4:00 – 4:15** Maria Carolina Florian, University of Ulm, Germany  
*"Alterations of the epigenetic architecture underlie aging of hematopoietic stem cells"*

**4:15 – 4:45** Carla Martins, MRC Cancer Unit, University Cambridge, United Kingdom  
*"Exploiting the heterogeneity of mutant Kras lung tumors to improve targeting"*

**5:00 – 5:15 Coffee Break**

**5:15 – 5:45** Andreas Burchert, University of Marburg, Germany  
*"Curing myeloid leukemia with targeted therapy?"*

**6:00 – 6:30** Elke Pogge von Strandmann, University of Marburg, Germany  
*"Extracellular vesicles in NK cell-dependent tumor immune surveillance"*

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**7:30 p.m. Dinner**

**Friday, March 24, 2017**

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**Session II: Bridging the Scales in Cancer Research**  
**Chair: Ursula Klingmüller, Heidelberg**

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**8:30 – 8:45** Ursula Klingmüller, University of Heidelberg, Germany  
Introduction

**8:45 – 9:00** Nicholas Mc Granahan, Cancer Research UK, London, United Kingdom  
*“TRACERx: lung cancer evolution in space and time”*

**9:00 – 9:30** Jens Timmer, University of Freiburg, Germany  
*“A multi-scale model to improve anemia treatment in non-small cell lung carcinoma patients”*

**9:45 – 10:15** Bas Teusink, Free University of Amsterdam, Netherlands  
*“Warburg effect in cancer: what can we learn from microbial physiology?”*

**10:30 – 11:00** **Coffee Break**

**11:00 – 11:30** Helen Byrne, University of Oxford, United Kingdom  
*“Unravelling heterogeneity in solid tumor growth”*

**11:45 – 12:15** Bernd Bodenmiller, University of Zurich, Switzerland  
*„Highly Multiplexed Single Cell Analysis of the Tumor Ecosystem through Time and Space by Mass Cytometry“*

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**12:45 – 1:45** **Lunch break**

**1:45 – 4:15** **Free time, Individual Sightseeing\*\***

**\*\*Sightseeing Suggestions**

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

Bellagio - <http://www.lagodicomo.com/english/bellagio.php>

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

**Friday, March 24, 2017**

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**Session III: Aging and Cancer**  
**Chair: Anja Bosserhoff, Erlangen**

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**4:30 – 4:45** Anja Bosserhoff, University of Erlangen, Germany  
Introduction

**4:45 – 5:00** Dimitrios Mougiakakos, University of Erlangen  
*“Metabolic Alterations in CLL: From Immune Escape to Metabolic Targeting”*

**5:00 – 5:30** Lenhard Rudolph, Leibniz Institute on Aging, Jena, Germany  
*“Somatic mutations, clonal selection, and transformation of hematopoietic stem cells during aging“*

**5:45 – 6:00** **Coffee Break**

**6:00 – 6:30** Claudia Scholl, German Cancer Research Center, Heidelberg, Germany  
*“Exploiting functional dependencies in cancer for the development of targeted therapies“*

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**7:30 p.m.          Dinner**

**Saturday, March 25, 2017**

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**Session IV: ROS and Cancer**  
**Chair: Florian Greten, Frankfurt**

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**8:30 – 8:45** Florian Greten, Georg-Speyer-House, Frankfurt, Germany  
Introduction

**8:45 – 9:00** Christiane Opitz, University of Heidelberg, Germany  
*“An L-amino acid oxidase inhibits anti-tumor immune responses and promotes tumor cell motility in glioblastoma”*

**9:00 – 9:30** Eyal Gottlieb, Israel Institute of Technology, Israel  
*“Cysteine oxidation mediates metabolic response to oxidative stress”*

**9:45 – 10:15** **Coffee Break**

**10:15 – 10.45** Peter Vandenabeele, University of Ghent, Belgium  
*“Disease relevant and therapeutic opportunities of regulated necrosis: role of ferroptosis in cancer treatment and immunogenic cell death (ICD)”*

**11:00 – 11:30** Douglas R. Green, St. Jude Children’s Research Hospital, Memphis, TN, USA  
*“To the edge of necroptosis and back”*

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**12:00 – 1:45** **Lunch Break**

**Saturday, March 25, 2017**

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**Session V: Aberrant post-translational mechanisms in cancer**  
**Chair: Florian Bassermann**

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**2:00 – 2:15** Florian Bassermann, University of Munich, Germany  
Introduction

**2:15 – 2:30** Stephan Hailfinger, University of Tuebingen, Germany  
*"NF-kB regulation by the protease MAL T1"*

**2:30 – 3:00** Michele Pagano, University School of Medicine, New York, USA  
*"SCF Ubiquitin Ligases: Deregulated proteolysis in human cancer"*

**3:15 – 3:30** **Coffee Break with cake**

**3:30 – 4:00** Michael Rape, University of California, Berkeley, USA  
*"Ubiquitin-dependent control of development and disease"*

**4:15 – 4:45** Philipp Jost, University of Munich, Germany  
*"Aberrant control of inflammation and cell death in leukemia"*

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**5:30 – 7:00** **Meeting of the Program Committee**

**8:00 p.m.** **Candle Light-Dinner at the Villa**

**Sunday, March 26, 2017**

Departure after breakfast and light snack for lunch

**Venue of the Meeting:**

Villa La Collina

Via Roma 11

I-22011 Cadenabbia (Co)

Italy

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[www.villalacollina.info](http://www.villalacollina.info)

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