

# DFG Hinterzartener Kreis für Krebsforschung

## From Molecular Mechanisms to Cancer Therapy

April 23rd-26th, 2015  
Villa La Collina  
Cadenabbia (Co), Italy



### Program Committee

Anja Bosserhoff, Erlangen (Chair)  
Ursula Klingmüller, Heidelberg  
Martin Schuler, Essen  
Cathrin Brisken, Lausanne  
Andreas Neubauer, Marburg

DFG

**Thursday, April 23, 2015**

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

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

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**Session I: Emerging developments in molecular diagnosis and  
targeted therapies**

**Chair: Anja Bosserhoff, Erlangen**

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**3:45 – 4:00** Anja Bosserhoff, University of Erlangen, Germany  
Introduction

**4:00 – 4:15** Stephanie Kreis, University of Luxemburg, Luxemburg  
Comparison of a healthy miRNome with melanoma miRNomes: are  
microRNAs suitable blood-derived biomarkers?

**4:15 – 4:45** Martin Eilers, University of Würzburg, Germany  
Understanding and Targeting Myc Proteins

**5:00 – 5:15      Coffee Break**

**5:15 – 5:45** Angelika Vollmar, University of Munich, Germany  
Potential of Natural Compounds in Cancer Research

**6:00 – 6:30** Ze'ev Ronai, Sanford-Burnham Medical Research Institute at La Jolla,  
USA  
Ubiquitin ligases in glutamine metabolism and resistance to therapy

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**7:00 p.m.      Dinner**

**Friday, April 24, 2015**

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**Session II: Exploiting death mechanisms to control cancer**  
**Chair: Martin Schuler, Essen**

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**8:30 – 8:45** Martin Schuler, Essen  
Introduction

**8:45 – 9:00** Kirsten Lauber, LMU, Klinikum der Universität München, Munich, Germany  
Radiation-induced death programs

**9:00 – 9:30** Philipp Beckhove, Deutsches Krebsforschungszentrum, Heidelberg, Germany  
Targeting immune modulatory pathways in cancer

**9:45 – 10:15** Karl Lang, Universitätsklinikum Essen, Germany  
Virotherapy with non-oncolytic virus triggers innate interferon response leading to tumor regression

**10:30 – 10:45** **Coffee Break**

**10:45 – 11:15** Tak W. Mak, The Campbell Family Institute for Breast Cancer Research, Toronto, Canada  
Reactive oxygens in cancer therapy

**11:30 – 12:00** Kevin Ryan, Cancer Research UK Beatson Institute, Glasgow, UK  
Autophagy in cell death and cancer

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**12:30 – 1:45** **Lunch break**

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

**Friday, April 24, 2015**

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**Session III: Using systems biology approaches to link signaling and metabolism**

**Chair: Ursula Klingmüller, Heidelberg**

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**4:30 – 4:40** Ursula Klingmüller, DKFZ Heidelberg, Germany  
Introduction

**4:40 – 5:00** Almut Schulze, University of Würzburg, Germany  
Targeting Glucose and Lipid Metabolism to Target growth and Survival of cancer Cells

**5:00 – 5:30** Jens Nielsen, University of Technology, Göteborg, Sweden  
Identifying genome-level metabolic reprogramming in cancer cells

**5:45 – 6:00** **Coffee Break**

**6:00 – 6:30** Fabian Theis, Helmholtz Zentrum Munich, Germany  
Estimating and integrating phenotype-specific metabolite networks from metabolomics profiles

**6:45 – 7:15** Lewis Cantley, Meyer Cancer Center at Weill Cornell Medical College, New York, USA  
Cancer Cell Metabolism

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**8:00 p.m.**

**Dinner**

**Saturday, April 25, 2015**

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**Session IV: Elucidating and exploiting distinct facets  
of tumor biology**

**Chair: Cathrin Brisken**

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| <b>8:30 – 8:45</b>   | <u>Cathrin Brisken, Ecole Polytechnique Fédérale, Lausanne, Switzerland</u><br>Introduction   |
| <b>8:45 – 9:00</b>   | <u>Miriam Erlacher, University of Freiburg, Germany</u><br>A neonatal xenograft model reflects natural disease course of juvenile myelomonocytic leukemia |
| <b>9:00 – 9:30</b>   | <u>Inke Näthke, Dundee Cancer Centre, University of Dundee, UK</u><br>Towards integrated omics for better treatment of breast cancer                      |
| <b>9:45 – 10:15</b>  | <u>Pepper Schedin, Oregon Health &amp; Science University, Portland, USA</u><br>Tissue Remodeling of Breast Postpartum Involution - A Story of Metastasis |
| <b>10:30 – 10:45</b> | <b>Coffee Break</b>   |
| <b>10:45 – 11:15</b> | <u>Connie Eaves, Terry Fox Laboratory, Vancouver, Canada</u><br>Clonal tracking normal and malignant mammary cell growth in vivo                          |
| <b>11:30 – 12:00</b> | <u>Anne-Lise Borresen-Dale, Oslo University Hospital, Oslo, Norway</u><br>Towards integrated “omics” for better treatment of breast cancer                |
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**12:15 – 1:45    Lunch Break**

**Saturday, April 25, 2015**

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**Session V: : Relevance of mouse models in CML**  
**Chair: Andreas Neubauer**

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**2:00 – 2:05** Andreas Neubauer, University of Marburg, Germany  
Introduction

**2:05 – 2:30** Theodora Ross, UT Southwestern Medical Center, Dallas, USA  
Barriers to Transformation by BCR/ABL

**2:30 – 3:00** Andreas Burchert, University of Marburg, Germany  
Eradicating chronic myeloid leukemia in man - what can we learn from murine CML models?

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

**3:30 – 4:00** Danielo Perrotti, University of Maryland, USA  
Role of microRNA in the regulation of CML self-renewal, survival and proliferation

**4:15 – 4:45** Tessa Holyoake, Paul O'Gorman Leukaemia Research Centre, Glasgow, UK  
Network profiling of primitive chronic myeloid leukemia cells reveals selective targetable candidates

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

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

**Sunday, April 26, 2015**

Departure after breakfast and light snack for lunch

**\*Sightseeing Suggestions**

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

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

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

**Venue of the Meeting:**

Villa La Collina  
Via Roma 11  
I-22011 Cadenabbia (Co)  
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[www.villalacollina.info](http://www.villalacollina.info)

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