

**DFG** Hinterzartener Kreis für Krebsforschung

**From Molecular Mechanisms  
to Cancer Therapy**

May 2-5, 2013  
Villa La Collina  
Cadenabbia (Co), Italy



**Program Committee**

Martin Schuler, Essen (Chair)  
Cathrin Brisken, Lausanne  
Ursula Klingmüller, Heidelberg  
Clemens A. Schmitt, Berlin  
Andreas Trumpp, Heidelberg

**DFG**



**Thursday, May 2, 2013**

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

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

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**Session I: Functional analysis and modeling of solid cancers**  
**Chair: Andreas Trumpp, Heidelberg**

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**3:45 – 4:00** Andreas Trumpp, Heidelberg  
Introduction

**4:00 – 4:15** Christoph Rösli, Heidelberg (Junior Speaker)  
Proteomic technologies supporting cancer research

**4:15 – 4:45** David Tuveson, Cold Spring Harbor  
Pancreatic cancer biology and medicine

**5:00 – 5:15** **Coffee Break**

**5:15 – 5:45** Raghu Kalluri, Houston  
Stromal regulation of cancer progression and metastasis

**6:00 – 6:30** J. Michael Bishop, San Francisco  
Synthetic lethality as a therapeutic modality for cancer

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**7:15 p.m. Dinner**



**Friday, May 3, 2013**

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**Session II: Complexities of tumor biology and therapeutic implications**  
**Chair: Cathrin Brisken, Lausanne**

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**8:30 – 8:45** Cathrin Brisken, Lausanne  
Introduction

**8:45 – 9:00** Christine Dierks, Freiburg (Junior Speaker)  
Cell-intrinsic and niche dependent effects of hedgehog signaling on normal and malignant hematopoiesis

**9:00 – 9:30** Carlos Caldas, Cambridge/United Kingdom  
A new era in breast cancer: Studying not one but ten diseases

**9:45 – 10:15** Thomas Brabletz, Freiburg  
EMT, microRNAs and Cancer Stem Cells

**10:30 – 10:45** **Coffee Break**

**10:45 – 11:15** Nancy Hynes, Basel  
Receptor tyrosine kinases in breast cancer: From mechanisms to targeted therapy

**11:30 – 12:00** Matthias Dobbstein, Göttingen  
Get your drugs dirty – Targeting co-oncogenic effector systems and tumor-supportive machineries in cancer cells

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**12:15 – 1:45** **Lunch break**

**1:45 – 4:30** **Free time, Individual Sightseeing\*\*\***



**Friday, May 3, 2013**

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**Session III: Toward therapeutic modulation of  
intracellular signal transduction  
Chair: Martin Schuler, Essen**

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**4:45 – 5:00** Martin Schuler, Essen  
Introduction

**5:00 – 5:15** Daniel Rauh, Dortmund (Junior Speaker)  
Chemical Oncology – addressing drug resistance in targeted cancer  
therapy

**5:15 – 5:45** Philippe Bastiaens, Dortmund  
Pharmacological interference with the spatial organization of  
oncogenic Ras signaling

**6:00 – 6:15** **Coffee Break**

**6:15 – 6:45** Julian Downward, London  
Mechanisms of transformation by RAS oncogenes searching for novel  
therapeutic approaches

**7:00 – 7:30** Chris Bakal, London  
The shape of metastatic cells

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**8:00 p.m.      Dinner**



**Saturday, May 4, 2013**

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**Session IV: Modeling oncogenic networks in  
tumor development and therapy  
Chair: Clemens Schmitt, Berlin**

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**8:30 – 8:45** Clemens Schmitt, Berlin  
Introduction

**8:45 – 9:00** Alexander Löwer, Berlin (Junior Speaker)  
Always on guard: The dynamics of p53 and the DNA damage  
response in individual cells

**9:00 – 9:30** Martine Roussel, Memphis  
Pediatric medulloblastoma: Molecular networks, mouse models and  
novel therapeutic approaches

**9:45 – 10:15** Laura Pasqualucci, New York  
Oncogenomics of diffuse large B cell lymphoma

**10:30 – 10:45** **Coffee Break**

**10:45 – 11:15** Gerard Evan, Cambridge/United Kingdom  
Using switchable mouse genetics to identify new cancer drug targets

**11:30 – 12:00** Mike Hemann, Cambridge/USA  
The impact of conventional chemotherapy on the tumor  
microenvironment

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**12:15 – 1:45** **Lunch Break**



**Saturday, May 4, 2013**

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**Session V: Systems biology and innovative technologies for  
cancer research**

**Chair: Ursula Klingmüller, Heidelberg**

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**2:00 – 2:15** Ursula Klingmüller, Heidelberg  
Introduction

**2:15 – 2:30** Rocio Sotillo, Monterotondo (Junior Speaker)  
Causes and consequences of aneuploidy in cancer

**2:30 – 3:00** Markus Löffler, Leipzig  
Modelling stem cell organisation and clonal evolution in normal cancer tissues

**3:15 – 3:45** **Coffee Break with Cake**

**3:45 – 4:15** Jens Timmer, Freiburg  
Systems biology in cancer research

**4:30 – 5:00** Bob van de Water, Leiden  
Imaging-based RNAi screens in cancer research

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

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

**Sunday, May 5, 2013**

Departure after Breakfast

### **\*\*\*Sightseeing Suggestions**

Villa Carlotta - <http://www.villacarlotta.it/?view=visitatore>

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

San Martino (Chapel) -

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

### **Venue of the Meeting:**

Villa La Collina

Via Roma 11

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

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