

## Frankfurt Symposium

# Molecular Pathogenesis of Leukemia: Insights and Challenges

## Sept. 16-18, 2010

### Thursday, September 16<sup>th</sup> 2010

19.00 Speakers Dinner

### Friday, September 17<sup>th</sup> 2010

8.30 - 8.35 **Welcome**  
Hubert Serve

#### Chromosomal Translocations - Chair: Rose Ann Padua

- 8.35 - 9.00 **Molecular mechanisms in therapy-related leukemia**  
*David Grimwade (London/UK)*
- 9.00 - 9.25 **Oncogenic mechanisms of leukemic fusion proteins**  
*Owen Williams (London/UK)*
- 9.25 - 9.50 **Modelling the formation of chromosomal translocations and the consequences for transcription regulation in cancer**  
*Terry Rabitts (Leeds/UK)*
- 9.50 - 10.15 **t(6;9) positive AML: DEK/CAN, the mysterious fusion protein**  
*Martin Ruthardt (Frankfurt/Germany)*
- 10.15 - 10.45 **coffee break**

#### Stem Cells - Chair: Rose Ann Padua

- 10.45 - 11.10 **Leukemic stem cells in Acute Myeloid Leukemia**  
*Paresh Vyas (Oxford/UK)*
- 11.10 - 11.35 **Fearful Symmetry: Developmental mechanisms in stem cells and cancer**  
*Thannishtha Reya (Durham/USA)*
- 11.35 - 12.00 **Targeting myeloid leukemic stem cells in animal models**  
*Christine Chomienne (Paris/France)*
- 12.00 - 12.25 **ABT-737 BCL-2 inhibitor targets leukemic stem cells in mouse models of (pre)leukemia**  
*Rose Ann Padua (Paris/France)*
- 12.25 - 12.50 **p26INCA1 is a novel CDK inhibitor that prevents leukemia exhaustion**  
*Carsten Müller-Tidow (Münster/Germany)*
- 12.50 - 15.05 **lunch and postersession**

#### Special Lunch Symposium

- 13.30 - 14.30 **Workshop: COST/ELN activities- „joint EU research opportunities on AML/MDS“**  
*Ken Mills (Belfast/UK)*

#### Transcription Factor Dysfunction - Chair: Hubert Serve

- 15.05 - 15.30 **The RUNX1 Transcription Factor in Acute Leukemia**  
*Carol Stocking (Hamburg/Germany)*
- 15.30 - 15.55 **An RNAi screen identifies factors that synergize with Runx1 in hematopoietic cells**  
*Frank Buchholz (Dresden/Germany)*

#### Signal Transduction - Chair: Hubert Serve

- 15.55 - 16.20 **Escape from cytokine control: the role of SOCS proteins in FLT3-ITD mediated myeloproliferative disease**  
*Christian Brandts (Frankfurt/Germany)*
- 16.20 - 16.45 **Oncogenic signaling by G-CSF receptor mutants in the leukemic progression of severe congenital neutropenia**  
*Ivo Touw (Rotterdam/The Netherlands)*

16.45 - 18.00 **coffee break - walk in park**

- 18.00 - 18.25 **Molecular pathogenesis of human myeloproliferative neoplasms**  
*Tony Green (Cambridge/UK)*
- 18.25 - 18.50 **PIM kinases in FLT3-ITD mediated leukemia: an essential function of PIM1 for early bone marrow cell homing**  
*Justus Duyster (Munich/Germany)*
- 18.50 - 19.15 **c-Cbl-associated myeloid leukemia and its dependence on FLT3 signaling**  
*Wallace Langdon (Perth/Australia)*
- 20.00 **dinner speakers and guests (on registration)**

### Saturday, September 18<sup>th</sup> 2010

8.30 - 8.35 **Welcome**  
Hubert Serve

#### Epigenetics - Chair: Rolf Marschalek

- 8.35 - 9.00 **Integrated analysis of methylation and expression in MDS and AML**  
*Ken Mills (Belfast/UK)*
- 9.00 - 9.25 **title to be announced**  
*Stephen Baylin (Baltimore/USA)*
- 9.25 - 9.50 **Epigenetic control of hematopoietic and leukemic stem cells**  
*Frank Rosenbauer (Berlin/Germany)*
- 9.50 - 10.15 **Pathological mechanisms in t(4;11) leukemia: epigenetic and transcriptional dysregulation**  
*Rolf Marschalek (Frankfurt/Germany)*
- 10.15 - 10.45 **coffee break**

#### Oncogene Function - Chair: Rolf Marschalek

- 10.45 - 11.10 **Pathogenesis of Acute Lymphoblastic Leukemia**  
*Phillip Koeffler (Los Angeles/USA)*
- 11.10 - 11.35 **Acute myeloid leukemia with mutated nucleophosmin (NPM1): is it an entity?**  
*Brunangelo Falini (Perugia/Italy)*
- 11.35 - 12.00 **Modeling APL pathogenesis through therapy response**  
*Hugues de Thé (Paris/France)*
- 12.00 - 13.00 **lunch**
- 13.00 - 13.25 **Ubiquitin networks in cancer pathogenesis**  
*Ivan Dikic (Frankfurt/Germany)*
- 13.25 - 13.50 **Role of Myc in the tumor and its environment**  
*Gerard Evan (Cambridge/UK)*
- 13.50 - 14.05 **Therapeutic targeting of abnormal repair of double strand breaks in leukemias**  
*Feyrus Rassool (Baltimore/USA)*
- 14.05 - 14.15 **Concluding Remarks**  
Hubert Serve

#### Scientific Organizing Committee

Hubert Serve *Department of Medicine, Hematology/Oncology, Goethe University, Frankfurt*  
Rolf Marschalek *Inst. of Pharm. Biology, Biocenter, Goethe University, Frankfurt*  
Rose Ann Padua *Institut Universitaire d'Hematologie, Hôpital Saint-Louis, Paris*

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#### Event Location:

Kurfürstliches Schlosshotel Weyberhöfe;  
63877 Sailauf / Aschaffenburg; [www.weyberhoeffe.de](http://www.weyberhoeffe.de)

**Deadline  
for registration:  
July 15<sup>th</sup>**