

Frankfurt Symposium

Molecular Pathogenesis of Leukemia: Insights and Challenges

Sept. 16-18, 2010

Thursday, September 16th 2010

19.00 Speakers Dinner

Friday, September 17th 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 postsession**

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 18th 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

Contact

Judith Kertes, **University Hospital Frankfurt**, Department of Medicine, Hematology/Oncology Building 33A, 2nd floor, room: 238; Theodor-Stern-Kai 7, 60590 Frankfurt am Main, Germany
kertes@em.uni-frankfurt.de

Event Location:

Kurfürstliches Schlosshotel Weyberhöfe;
63877 Sailauf / Aschaffenburg; www.veyberhoeefe.de

**Deadline
for registration:
July 15th**