

HEMATOPOIETIC STEM CELLS VII

Meersburg · Germany
September 18th - 20th, 2008

Program

Chairmen

Lothar Kanz, M.D.

Willem E. Fibbe, M.D., Ph.D.

John E. Dick, Ph.D.



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UNIVERSITY OF TÜBINGEN
INTERNATIONAL CONFERENCE AND WORKSHOP

Wednesday, September 17th, 2008

19:00

ARRIVAL AT MEERSBURG

**WELCOME EVENING AND INFORMAL DINNER
AT "WINZERSTUBE ZUM BECHER"**

**Thursday, September 18th, 2008**

each talk 20 min plus 10 min discussion

8:30 - 10:30**STEM CELL HIERARCHY**

CHAIR: KATERI MOORE

Welcome

EMA

The hierarchical organization among hematopoietic stem cells

BAUM

Hierarchy of factors underlying insertional transformation of hematopoietic cells

AKASHI

Lymphoid lineage fate decision of hematopoietic stem cells

[Coffee break](#)**11:00 - 12:30****STEM CELL NICHE**

CHAIR: STEFAN KARLSSON

MOORE, KATERI

Model systems to elucidate molecular mechanisms in stem cell niches

ARAI

Niche regulation of hematopoietic stem cells in the endosteum

KOPP

Functional heterogeneity of the bone marrow vascular niche in mice and men

[Lunch](#)

**Thursday, September 18th, 2008**

each talk 20 min plus 10 min discussion

14:00 - 16:00**STEM CELL REGULATION**

CHAIR: WIM FIBBE

KARLSSON	Regulation of hematopoietic stem cells by Smad signalling
STAAL	Wnt signalling regulates critical steps in hematopoiesis including stem cell self-renewal
MIGLIACCIO	Role of GATA-1 in long-term pathological processes revealed by knockdown mutations
MASSBERG	Hematopoietic stem cells on petrol

Coffee break

16:30 - 18:00**MESENCHYMAL STEM CELLS**

CHAIR: KOICHI AKASHI

FIBBE	Biology of mesenchymal stem cells
PEAULT	Perivascular origin of mesenchymal stem cells in multiple human tissues
BÜHRING	Prospective isolation of distinct MSC subsets

18:30**MEETING FOR DINNER
AT "HOTEL RESIDENZ AM SEE"**

**Friday, September 19th, 2008**

each talk 20 min plus 10 min discussion

9:00 - 10:30**MALIGNANT HEMATOPOIESIS I**

CHAIR: GARY VAN ZANT

ARMSTRONG	Transformation from committed progenitors to leukemia stem cells
DICK	Modelling the human leukemogenic process
ENVER	Molecular regulation of pre-leukaemic stem cells

Coffee Break

11:00 - 12:30**MALIGNANT HEMATOPOIESIS II**

CHAIR: PETER LANSDORP

FRANK	Immunoregulatory phenotype of cancer stem cells
NIMER	p53 expression on stem cells
VAN ZANT	The interactions of aging, stem cells and carcinogens

Lunch

**Friday, September 19th, 2008**

each talk 20 min plus 10 min discussion

14:00 - 15:00**MALIGNANCY AND AGING**

CHAIR: CATHERINE VERFAILLIE

LANSDORP

Telomerase and hematologic malignancies

TRÜMPF

Dormant and activated stem cells during homeostasis injury and cancer

Coffee Break

15:30 - 17:30**PLURIPOTENCY**

CHAIR: JOHN DICK

VERFAILLIE

Characterisation of self-renewal and differentiation potential of adult stem cells

DALEY

Modeling hematopoietic disease with patient-specific pluripotent stem cells

MIKKERS

Induced pluripotency with endogenous and inducible genes

BHATIA

Heterogeneity and hierarchical organization of human embryonic stem cells

19:00**DINNER**

**Saturday, September 20th, 2008**

each talk 20 min plus 10 min discussion

9:00 - 10:30**EMBRYONIC STEM CELLS**

CHAIR: KARL WELTE

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|-----------|--|
| LEMISCHKA | Dissection of cell fate regulation in ES cells |
| RATAJCZAK | Identification of very small embryonic like (VSEL) stem cells in adult tissues - physiological and pathological consequences |
| LENGERKE | Regulation of mesodermal patterning during embryonic stem cell differentiation |

Coffee Break

11:00 - 12:30**TRANSLATIONAL RESEARCH**

CHAIR: LOTHAR KANZ

- | | |
|---------------|---|
| HANDGRETINGER | The role of NK cells in haploidentical transplantation |
| WELTE | Congenital bone marrow failure syndromes: What can we learn from these disorders of hematopoiesis for hematopoietic stem cell development and myelopoiesis? |
| MÖHLE | Human bone marrow-derived mesenchymal stem cells for urethral sphincter muscle repair |

Lunch

End of Conference



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