Organization:

Location:
Hörsaal Pavillon, Klinikum rechts der Isar
Technische Universität München
Ismaninger Str. 22, 81675 München

Contact:
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Please register until March, 7th 2016

http://www.for2033.med.tum.de

Directions:
Public transport
Bus: Line 148, 191, 192
Tram: Line 15, 16, 19, 25
Underground: Line 4, 5
Stop: Max-Weber-Platz

Arrival by car
Car park: Hofbräukeller, Innere Wiener Str. 19

Sponsor of the event:

DFG - Deutsche Forschungsgemeinschaft

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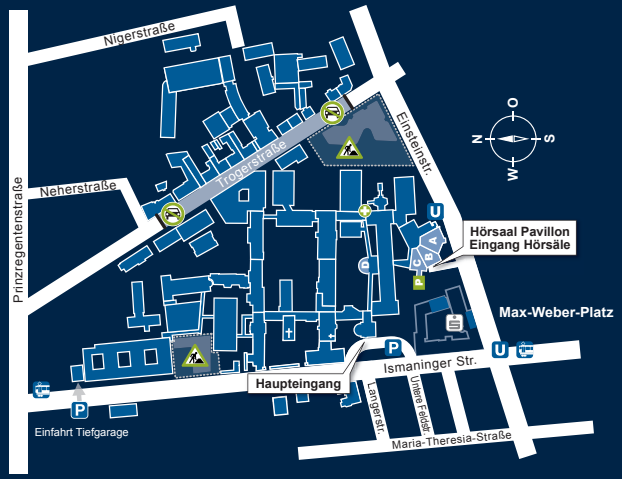
FOR 2033: NicHem
The Hematopoietic Niches



Klinikum rechts der Isar
Technische Universität München

CCC MÜNCHEN COMPREHENSIVE CANCER CENTER

R.CCC Roman-Herzog-Krebszentrum Comprehensive Cancer Center

In Cooperation with the DFG –
Deutsche Forschungsgemeinschaft
FOR 2033 - The Hematopoietic Niches

International Symposium FOR 2033

The Hematopoietic Niches

March 14th 2016, 09:00 am – 6:00 pm
Hörsaal Pavillon, Klinikum rechts der Isar

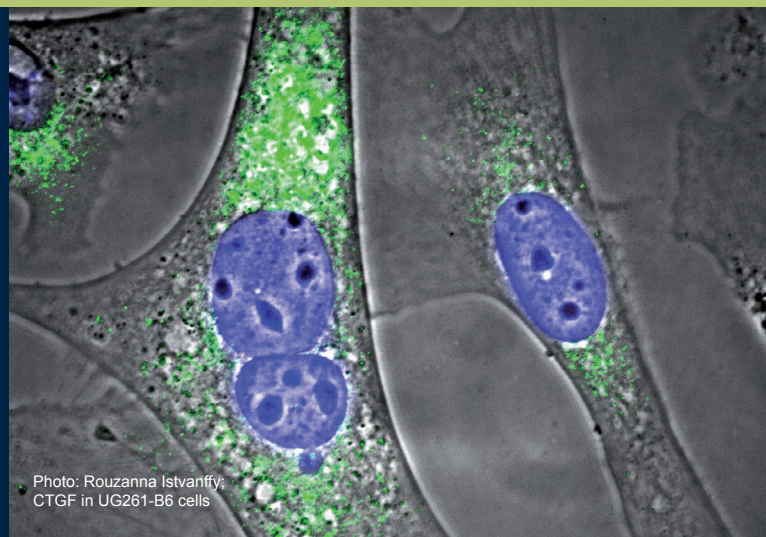


Photo: Rouzanna Istvanffy;
CTGF in UG261-B6 cells

Dear colleagues,

Somatic stem cells are critical to maintain highly regenerative tissues. Hematopoietic stem cells (HSC) are the best understood somatic stem cells and their transplantable activity has been used for clinical regenerative therapies for several decades. The HSC niche comprises various cell types, which together control the balance between HSC self-renewal and differentiation and may control HSC dormancy and proliferation.

In this symposium, experts in the field and contributors to the DFG Research Unit FOR 2033 will present progress in unraveling the complex and dynamic HSC-niche interactions that are active during homeostasis, stress and disease.

Insights from the HSC-niche field will not only serve as a model for many other less advanced somatic stem cells, but will also help to better understand and possibly treat various hematological diseases.

With kind regards,

Prof. Dr. Robert Oostendorp, Chairman
Theresa Sippenauer, Organization

For the DFG Research Unit FOR 2033
Klinikum rechts der Isar
TU München

PROGRAM

09:00-09:15	**Welcome speech** *R. Oostendorp*
	Part I
09:15-10:15	**New branches on the vascular tree: specialization of blood vessels in bone** *R. Adams*
10:30-10:50	**Extracellular matrix protein Matrilin-4 regulates stress-induced HSC proliferation via CXCR4** *M. Essers*
10:50-11:10	**Regulation of the hematopoietic stem cell niche by Ebf2** *M. Kieslinger*
11:20-12:20	**Aging of hematopoietic niches** *H. Geiger*
12:20-13:00	**Lunch**
	Part II
13:00-13:20	**Cellular and molecular components of a functional niche for human and mouse HSCs** *C. Waskow*
13:20-13:40	**Visualization of the megakaryocytic niche** *F. Gärtner*
14:00-15:00	**HSCs in space and time: anatomical and temporal regulation of bone marrow stem cell niches by neural signals** *S. Méndez Ferrer*
15:10-15:30	**Ptch2 loss drives myeloproliferation and MPN progression** *C. Dierks*
15:30-15:50	**To be announced** *J. Duyster*
15:50-16:10	**The niche controls actin-dependent responses in hematopoietic stem cells** *R. Oostendorp*
16:20-16:40	**Characterization and modulation of mesenchymal stromal cells in MDS** *K. Götze*
16:40-17:00	**Dormant HSC quiescence and heterogeneity and their regulation by microenvironmental signals** *N. Cabezas-Wallscheid*
17:00-17:20	**Remodelling of mesenchymal stromal cells in chronic lymphocytic leukemia** *I. Ringshausen*

Speakers:

Prof. Dr. Ralf Adams
Max Planck Institut für molekulare Biomedizin,
48149 Münster

Prof. Dr. Hartmut Geiger
Universität Ulm, 89081 Ulm

Prof. Dr. Simón Mendéz Ferrer
Stem Cell Institute, University of Cambridge, UK

Dr. Marieke Essers
Deutsches Krebsforschungszentrum,
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Medizinische Universität Wien,
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TU Dresden, 01062 Dresden

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