G3 SYMPOSIUM

GENES GENETICS GENOMICS

APRIL 6-7, 2017

APRIL 6, 2017

9 A.M. - 2 P.M.

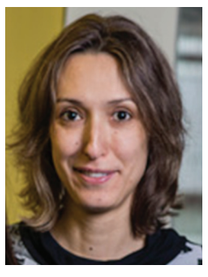
Biocev, Průmyslová 595, Vestec

Dr. Britta Wil

Albert Einstein College of Medicine, New York, USA

Hematopoietic Stem Cell Aging and Leukemogenesis

Research Area: Hematopoietic Stem Cells (HSC), Regulation of Stem Sell Fate, Myelodysplastic Syndrome and Acute Myeloid Leukemia, Mouse Models of Leukemogenesis, Testing of novel stem cell-directed therapeutics on primary human HSCs.



Dr. Meritxell Alberich Jorda

Institute of Molecular Genetics, Prague

Searching for the good players: EVI2B controls granulocytic differentiation and progenitor functions

Research Area: We investigate how C/EBPs regulate granulocytic production, whether they are mutated or deregulated during leukemogenesis, and how these alterations participate in the development of human acute myeloid leukemia (AML).

Dr. Annalisa di Ruscio

Università del Piemonte Orientale, Novara, Italy

ReDirecting DNA methylation

Research Area: To investigate the functional role of DNMT1-interacting RNAs in leukemogenesis and to pave the way for the development of the first gene-specific demethylating tool to apply in cancer and other diseases where aberrant DNA methylation plays a pivotal role.

Prof. Dr. Gerhard Behre

Leipzig University Hospital, Germany

Disturbance of the C/EBPalpha-miR-182 balance impairs granulocytic differentiation and promotes development of acute myeloid leukemia

Research Area: The role of transcription factor C/EBPalpha and microRNAs in myeloid differentiation and acute myeloid leukemia.

APRIL 7, 2017

9 A.M. - 2 P.M.

Dean's Office, Na Bojišti 3, Praha

Dr. Sheela Abraham

Paul O'Gorman Research Centre, Gartnavel General Hospital, Glasgow

Taking control of signal transduction networks in CML

Research Area: Transcription factor targeting in Chronic Myeloid Leukaemia, roles of p53 and c-myc.

Dr. Martin Kortüm

Universitätsklinikum Würzburg, Germany

Targeted next gen sequencing in Multiple Myeloma

Research Area: Genetic background and mechanisms of drug resistance in hematologic malignancies, with an emphasis on plasma cell dyscrasias such as multiple myeloma.

Prof. Jaroslav Doležel

Institute of Experimental Botany (IEB), Olomouc

Chromosome-centric approaches to plant genomics and gene cloning

Research Area: Hereditary information of plants, its organization and changes, which accompanied evolution of plants and origin of new species. With his team he developed new methods to facilitate the analysis of complex plant genomes and participates in several international consortia aiming at sequencing genomes of important plants.

Organizers:

1st Faculty of Medicine, Charles University & Institute of Haematology and Blood Transfusion (ÚHKT)

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