

Danube Conference on Epigenetics, Main sessions

MTA TTK, Magyar tudósok Körútja 2

Thursday

	Interval	Chair	Total	Starts	Allocated	Lecturer	Title
Session 1	9.00-10.30	Chair: Iannis Talianidis	90	9.00	25+5	Maxime Dahan	Probing the target search of DNA-binding proteins in mammalian cells, one molecule at a time
				9.30	25+5	Ido Amit	Shaping the blood: Lessons from Chromatin and single cell RNA dynamics
				10.00	25+5	Rickard Sandberg	Single-cell RNA-seq reveals principles of allelic expression in mammalian cells

Coffee
Break 10.30-11.00

Session 2	11.00-13.00	Chair: Wendy Bickmore	120	11.00	25+5	Brian McStay	From NORs to nucleoli and genomic stability of rDNA arrays in human cells
				11.30	25+5	Claire Rougeulle	Non-coding RNAs and X-inactivation plasticity in mammals
				12.00	25+5	Pantelis Hatzis	The long non-coding RNA WNTLINC1 regulates transcription, stemness and carcinogenesis in the intestinal epithelium
				12.30	25+5	Wendy Bickmore	Transcription and nuclear organisation: chicken and egg

Buffet
Lunch and
Poster
Session

13.00- 14.30

Session 3	14.30-16.00	Chair: László Nagy	90	14.30	25+5	Laszlo Nagy	Cistromic and long-range interactions of lineage- and signal specific transcription factors integrate macrophage specification and control lipid signaling
				15.00	25+5	Puri Pier Lorenzo	Epigenetic networks regulating skeletal muscle regeneration and fibro-adipogenic degeneration in health and diseases.
				15.30	25+5	Dirk Schübeler	Setting and reading DNA methylation

Coffee
Break

16.00-16.30

Session 4	16.30-18.30	Chair: Béla Molnár	120	16.30	22+3	Tamas Aranyi	Genome-wide epigenetic and transcriptional effects of ERK1/2 activation in hepatocytes
				16.55	17+3	Balint L Balint	Epigenetic tools for mapping chromatin modifications in clinical samples
				17.15	12+3	Attila Németh	Molecular mapping of nucleolus-associated chromosomal domain dynamics during cellular senescence
				17.30	12+3	Judit Balog	The role of chromatin repressor SMCHD1 in the development of human disease
				17.50	17+3	Tibor Pankotai	Mechanistic insights into the transcriptional arrest in the presence of Double Strand Breaks
				18.10	22+3	Ferenc Muller	Functional validation of disease associated human enhancer candidates using the zebrafish transgenic embryo as a scalable vertebrate model

18.35-18.45 **Demonstration of world's fastest qPCR system xpress (40 PCR cycles in 10 minutes)**

18.45- 20.00 Wine and
Cheese and Posters

FRIDAY

Thursday	Interval	Chair	Total	Starts	Allocated	Lecturer	Title
Session 5	9.00-10.30	Chair: Imre Boros	90	9.00	25+5	Laszlo Tora	The SAGA coactivator complex acts on the whole transcribed genome and is required for all RNA polymerase II transcription
				9.30	25+5	Frank Holstege	Deciphering regulatory circuitry by genome-wide analyses
				10.00	25+5	Iannis Talianidis	Epigenetic mechanisms regulating liver development and function

Coffee Break 10.30-11.00

Session 6	11.00-13.00	Chair: Petra Hajkova	120	11.00	25+5	Erica Watson	The transgenerational epigenetic effects of abnormal folate metabolism
				11.30	25+5	Piroska E. Szabó	Epigenetic remodeling between generations
				12.00	25+5	J. Andrew Pospisilik	Paternal diet defines offspring chromatin state and intergenerational obesity
				12.30	25+5	Petra Hajkova	Dynamics of DNA modifications during epigenetic reprogramming in vivo

Buffet Lunch and Poster Session 13.00- 14.30

Session 7	14.30-16.00	Chair: Richard Bártfai	90	14.30	12+3	Nabieh Ayoub	Dysregulation of KDM4A-D Lysine Demethylases Promotes Chromosomal Instability
				14.45	25+5	Maria Fousteri	Deciphering the dynamics of transcription in response to genotoxic stress
				15.15	25+5	Vincent Géli	The many faces of Set1 and of its subunits
				15.45	12+3	Tobias A. Knoch	The detailed three-dimensional organization and dynamics of the human and mouse genomes

Coffee Break 16.00-16.30

Session 8	<u>16.30-18.30</u>	Chair: Gábor Szabó	90	16.30	25+5	Robert Schneider	Novel Players in Chromatin
				17.00	25+5	Boros Imre	ADA contributions to HAT specificity
				17.30	25+5	Ana Pombo	Mechanisms of Polycomb repression in mouse embryonic stem cells
				18.00	25+5	Loránt Székvölgyi	Histone mutations driving human disease: a biophysical perspective

Final remarks, prizes 18.30-18.35

20.00 - Closing Gala Dinner at the Hungarian Academy of Sciences (HAS)
 Bus will leave from the RCNS (MTA-TTK) at 19.30 and from Gellert Hotel at 19.45