



COST is supported by the EU Framework Programme
Horizon 2020

COST action CA15214

WORK GROUP MEETING

21st - 22nd June, 2018
Sofia, Bulgaria

Epigenetic significance of higher-order chromatin structures and their dynamics in norm and pathology

Programme

The meeting will take place at the Laboratory of Molecular Genetics (LMG)
(www.chromatinepigenetics.com),

Institute of Molecular Biology (IMB), Bulgarian Academy of Sciences (BAS),
Sofia, Bulgaria

Thursday: 21st JUNE, 2018

10.00 - 10.30

*Registration of participants and welcome address by Prof. George Miloshev - Head of
Laboratory of Yeast Molecular Genetics, IMB-BAS*

10.30 Tour de table/Brief introduction of all participants

11.00 Prof. George Miloshev, Head of Laboratory of Molecular Genetics, IMB-
BAS, Sofia, Bulgaria

Title: *The linker histones in higher order chromatin structures and their involvement in cellular norm and pathology*

11.45 – 12.00

Coffee break

12.15 **Assis. Prof. Alistair Fleming,** Department of Microbiology, Moyne Institute, Trinity College Dublin, Ireland

Title: *Long-range chromatin remodelling by the yeast Swi-Snf and Tup1-Cyc8(Ssn6) complexes*

13.00 – 14.00

Lunch

14.15 **Prof. Jekaterina Erenpreisa,** Latvian Biomedical Research and Study Centre, Latvia

Title: *The sharp splitting of the chromocentres containing repressive pericentric heterochromatin in two parts coincides with unfolding of active euchromatin and a critical sand-pile enhancement of the global transcription in MCF7-heregulin treated cells*

15.00 **Prof. Aylin Şendemir Ürkmez,** Ege University, Faculty of Engineering, Department of Bioengineering, Izmir, Turkey

Title: *Suggestive epigenetic changes in an in vitro traumatic brain injury model*

15.45 – 16.15

Coffee break

16.15 **Assoc. Prof. Cristina Popescu,** Department of Experimental and Applied Biology

Institute of Life Sciences, Vasile Goldis Western University of Arad, Arad, Romania

Title: *Clinical relevance of global DNA methylation and hydroxymethylation in white blood cells of prostate cancer patients*

19.00

Dinner



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Friday: 22nd JUNE, 2018

10.00 **Prof. Yannis Missirlis**, Laboratory of Biomechanics and Biomedical Engineering, Mechanical Engineering & Aeronautics Dept., University of Patras, Greece

Title: *The important role of mechanical signal transmission in facilitating epigenetic mechanisms*

11.00 **Assis. Prof. Petar Podlesniy**, Institut d'Investigacions Biomèdiques de Barcelona, Spain

Title: *Selfie-digital PCR: a tool for absolute quantification of gene expression and gene copy number*

11.45 – 12.00

Coffee break

12.00 **Assoc. Prof. Milena Georgieva**, Laboratory of Yeast Molecular Genetics, IMB-BAS, Sofia, Bulgaria

Title: *Linker histones and chromatin remodeling complexes maintain genome stability and control cellular aging*

12.45 – 14.30

Discussion and close of meeting