



Venue: Aula of
Institute of Biophysics
of the CAS, v. v. i.

MINI-SYMPOSIUM

EPIGENETICS AND CHROMATIN STRUCTURE IN PHYSIOLOGICAL AND PATHOLOGICAL CONDITIONS

April 19, 2018

PROGRAM SCHEDULE

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| 9:15 | | Registration |
| 9:30 | | Introduction and opening remarks, history of the Institute of Biophysics (IBP), Eva Bártová , <i>The Institute of Biophysics, Brno, CR</i> |
| 9:45 | | Keynote Lecture I: Paola Scaffidi , <i>The Crick Institute, London, UK</i> : Epigenetic mechanisms of tumor maintenance |
| 10:30 | | Irena Koutná , <i>Masaryk University, Brno, CR</i> : An analysis of phosphorylated histone H2AX (γ H2AX) foci as one criterion of production of clinically applied hiPSCs |
| 10:50 | | Keynote Lecture II: Eran Meshorer , <i>The Hebrew University, Jerusalem, Israel</i> : Epigenetics: from pluripotent stem cells to ancient DNA |
| 11:30 | | Coffee Break |
| 11:50 | | Postdoctoral fellow from IBP, Jana Suchánková , <i>The Institute of Biophysics, Brno, CR</i> : An effect of TP53 mutations for recruitment of 53BP1 protein to DNA lesions |
| 12:10 | | Anna Mattout , <i>FMI, Basel, Switzerland</i> : Silencing of heterochromatin in metazoans. A new mechanism, at a new level of regulation |
| 12:40 | | Alena Svobodová Kovaříková , <i>The Institute of Biophysics, Brno, CR</i> : Function of H4K20me3 in DNA repair |
| 13:00 | | Lunch |
| 14:00 | | Practical session on advanced confocal microscopy, Soňa Legartová , Jana Suchánková , Lenka Stixová , <i>The Institute of Biophysics, Brno, CR</i> |

Meeting participants can attend a lecture in the Mendel's Museum. The lecture will start at 5 p.m. Lecture will be presented by dr. Tom Misteli (from the National Cancer Institute, NIH, USA, director of the Centre for Cancer Research). The event will be a part of a lecture series, called Mendel lectures, organized by Masaryk University in Brno (<http://mendellectures.muni.cz>).
Lecture title: The Cell Biology of the Genome.