

# Meeting on Chromatin Structure and Function



March 6<sup>th</sup>-7<sup>th</sup> (2014)

Organized by Moscow State University and Institute of Biophysics Academy of Sciences of the Czech Republic in Brno

Place of meeting: A.N. Belozersky Institute of Physico-Chemical Biology, MSU, Moscow

## March 6<sup>th</sup>

- 12:00-12:45 **Eugene V. Sheval** (MSU, RU)  
Talk: Nucleolar localization signals
- 12:45-13:15 **Lenka Stixová** (Institute of Biophysics, ASCR, Brno, CZ)  
Talk: Frequency of chromatin long-range interactions studied by 4C-technology.
- 13:15-13:45 **Dmitry Sorokin** (Faculty of Informatics, MU Brno, CZ)  
Talk: Compensation for cell global motion – The cornerstone of single particle tracking in live cell nuclei images
- 13:45-14:05 **Eva Bártová** (Institute of Biophysics, ASCR, Brno, CZ)  
Talk: Heterochromatin protein function during transcription and DNA repair.
- 14:05-14:35 Coffee break

### Invited speakers

- 14:35-15:20 **Miroslav Dundr** (Rosalind Franklin University, Chicago, USA)  
Talk: Cajal bodies act as genome organizers
- 15:20-16:00 **Eran Meshorer** (The Hebrew University of Jerusalem, Israel)  
Talk: A library of endogenously tagged fluorescent fusion proteins in ES cells reveals a novel histone chaperone involved in pluripotency and differentiation
- 17:00 Dinner for all speakers

## March 7<sup>th</sup>

- 9:30-10:00 **Sergey Razin** (MSU, RU)  
Talk: The clustering of CpG islands constitutes an important determinant of the 3D organization of interphase chromosomes
- 10:00-10:30 **Olga Lisitsyna** (MSU, RU)  
Talk: Interphase prenucleolar bodies: structure and dynamics
- 10:30-11:00 **Jana Suchánková** (Institute of Biophysics, ASCR, Brno, CZ)  
Talk: Nuclear pattern and function of PRMT1 arginine methyltransferase
- 11:00-11:20 Coffee break
- 11:20-11:40 **Yury Glazachev** (Russian Academy of Sciences, Novosibirsk, RU).  
Talk: Kinetics of photolysis of fluorescent proteins as revealed by fluorescence confocal microscopy
- 11:40-12:00 **Eva Bártová** (Institute of Biophysics, Brno, CZ)  
Talk: Epigenetics and embryonic stem cells
- 12:20-12:40 Refreshment
- 12:45 Bus to Kremlin and excursion to Kremlin

Meeting is supported by European Union (project Marie Curie PIRSES GA-2010-269156) and Grant Agency of the Czech Republic (project 13-07822S) and Institute of Biophysics Academy of Sciences of the Czech Republic, v.v.i.

# Chromatin meeting

11th March, 2014

Akademgorodok (Novosibirsk, Russian Federation)

Place of meeting: Institute of Chemical Kinetics and Combustion

- 13:00-13:45 **Miroslav Dundr** (Rosalind Franklin University, USA)  
Talk: Cajal bodies act as genome organizers
- 13:45-14:05 **Dmitry Sorokin** (Faculty of Informatics, MU Brno, CZ) Talk: Compensation for cell global motion - The cornerstone of single particle tracking in live cell nuclei images
- 14:05-14:30 Coffee break
- 14:30-14:55 **Yury Glazachev** (Russian Academy of Sciences, Novosibirsk, RU) Kinetics of photolysis of fluorescent proteins as revealed by fluorescence confocal microscopy
- 14:55-15:25 **Eva Bártová** (IBP Academy of Sciences of CR, Brno, CZ)  
Talk: Nuclear pattern and function of HP1 protein
- 15:25-16:25 Representatives of Russian Academy of Sciences, Novosibirsk (it will be announced)

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