

**Czech-Norwegian networking on nuclear structure and function**

**Cze-No-Net**

**Workshop: Nuclear architecture and function in health and disease**

**April 20th – April 23rd, 2017, Český Krumlov**

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**20/04/2017**

**From 15:00**                      **Arrival to Český Krumlov**

**17:30-18:15**                      **Registration**

**18:30**                                *Get together dinner*

**21/04/2017**

**8:30 – 9:10**                      **Registration**

**Chairman: Eva Bártoová**

**9:15 – 10:00**                      **Eran Meshorer** (The Hebrew University of Jerusalem, Israel):  
Chromatin plasticity in stem cells and cancer: tales of histone  
variants

**10:00 – 10:45**                      **Roland Foisner** (MAX F. PERUTZ LABORATORIES, Vienna,  
Austria): Diverse roles of lamins in chromatin organization

**10:45 – 11:15**                      *Coffee break*

**11:15 – 11:45**                      **Philippe Collas** (Oslo University, Norway): Deregulation of  
spatial genome architecture and chromatin by a laminopathy-  
causing lamin mutation.

**11:45 – 12:15**                      **Thomas Küntziger** (MED UIO, IMB, Norway): AKAP95 interacts  
with nucleoporin TPR in mitosis and is important for the spindle  
assembly checkpoint

**12:15 – 12:45**                      **Anne Simonsen** (Oslo University, Norway): Regulation of  
selective autophagy by nuclear shuttling of ALFY

**12:45 – 14:00**                      *Lunch*

**Chairman: Stanislav Kozubek**

**14:00 – 14:30**                      **Petr Šolc** (IAPG CAS, v.v.i., Libečoh, Czech Republic): DNA  
damage response during mouse oocyte maturation

**14:30 – 15:00**                      **Aleš Kovařík** (IBP CAS, v.v.i., Brno, Czech Republic): Loss of lamin  
B receptor is an essential attribute of cellular senescence

**15:00 - 15:30**                      **Denisa Komůrková** (IBP CAS, v.v.i., Brno, Czech Republic):  
Significance of coregulation of H3K9 acetylation by HDAC1 and  
HDAC3 in embryonic neurogenesis

**15:30 – 16:00**                      *Coffee break*

**16:00 – 16:30**                      **Torunn Rønningen** (Oslo University, Norway): Interactions of  
nuclear lamins with the autophagic machinery

**16:30 – 17:00**      **Kulbhushan Sharma** (Oslo University, Norway): Role of autophagy in stem cell differentiation through processing of selected transcription factors

**18:30**                      *Dinner*

**22/04/2017**

**Chairman: Andrea Horáková**

**9:00 – 9:30**              **Evgeny Smirnov** (Charles University, Prague, Czech Republic): Fluctuations in the nucleoli

**9:30 – 10:00**          **Magdalena Skalníková** (Charles University, Prague, Czech Republic): Expression of rDNA in the course of S phase and after hyperacetylation in human cells

**10:00 – 10:30**          *Coffee break*

**10:30 – 11:00**          **Dijana Ladinovič** (Charles University, Prague, Czech Republic): Alternative intronic promoters in development and diseases

**11:00 – 11:30**          **Jan Pala** (Charles University, Prague, Czech Republic): Current options for spectral and time resolved optical imaging within and behind diffraction limits

**11:30 – 12:00**          **Michal Franek** (IBP CAS, v.v.i., Brno, Czech Republic): Reorganization of the nucleolus and nuclear speckles upon transcriptional inhibition and DNA injury

**12:00 – 13:30**          *Lunch*

**13:30 – 16:00**          Round table discussion

**19:30**                      *Dinner*

**23/04/2017**

**Chairman: Jana Krejčí**

**8:30 – 9:00**              **Eva Bártová** (IBP CAS, v.v.i., Brno, Czech Republic): Function of p53 binding protein 53BP1 after DNA damage

**9:00 – 9:30**              **Soňa Legartová** (IBP CAS, v.v.i., Brno, Czech Republic): Localized Movement and Levels of 53BP1 Protein Are Changed by  $\gamma$ -irradiation in PML Deficient Cells

**9:30 – 10:00**          **Jana Krejčí** (IBP CAS, v.v.i., Brno, Czech Republic): Neural Differentiation in HDAC1-Depleted Cells Is Accompanied by Coilin Downregulation and the Accumulation of Cajal Bodies in Nucleoli

**From 10:00**              **Discussion on future projects**