Monday 13.10.2014

12:00 17:00 Registration at the hotel Slovan, Brno

17:00 19:00 Round Table Discussion

19:00 **Dinner**

Tuesday 14.10.2014

8:30 9:15 Registration at the hotel Slovan, Brno

9:15 9:30 Opening of the meeting by Stanislav Kozubek and Irena K. Koutná

Session I Chair: Aleš Hampl

9:30 10:00 **Miodrag Stojkovič** University of Kragujevac
Stem cells and spinal cord injury

10:00 10:30 **Majlinda Lako** Newcastle University
Using stem cells to understand and treat degenerative diseases

10:30 11:00 **Coffe break**

11:00 11:30 **Tomáš Bárta** Masaryk University, Brno
Current understanding of links between the core cell cycle machinery and the maintenance of pluripotency: insight into the role of CDK1 and CDK2 molecules

11:30 12:00 **Dáša Doležalová** Masaryk University, Brno
Generation, characterization and *in vivo* safety evaluation of expandable human embryonic stem cell-derived neural stem cells for clinical applications

12:00 12:30 **Pavel Šimara** Masaryk University, Brno
Generation of human induced pluripotent stem cells using genome integrating or non-integrating methods

12:30 14:00 **Lunch**

Session II Chair: Ueli Aebi

14:00 14:30 **Ohad Medalia** University of Zurich
Insight into the functional organization of the nuclear lamina

14:30 15:00 **Yosef Gruenbaum** Universtiy of Jerusalem
Lamins in health and disease

15:00 15:30 **Thomas Küntziger** University of Oslo
Respective roles of histone chaperone DEK and A-Kinase anchoring protein AKAP95 in chromatin deposition of histone H3.3 and in genome architecture.

15:30 16:00 **Eva Bártová** Institute of Biophysic, Brno
Morphology of A-type lamins and DNA repair studies

16:00 16:30 **Coffe break**

16:30 17:00 **Miroslav Dundr** Rosalind Franklin University of Medicine & Science, Chicago
The role of a nuclear body in genome organization

17:00 17:30 **Karel Souček** Institute of Biophysic, Brno
Plasticity of the cancer cells: link between epithelial-to-mesenchymal transition and cancer stem cells-like phenotype