



**Program symposium on: IMAGES OF THE SPINAL CORD:
FROM FUNCTIONALLY IDENTIFIED NEURONS TO FUNCTIONAL RECOVERY
Monday, 25th November 2013**

8.30-9.30 Registration & Coffee
9.30-9.45 Welcome & Introduction

Chairmen: **Lary M. Jordan, Urszula Sławińska**

9.45-10.15 Marek J. Szaśiadek, Anna Banaszek, **Joanna Bładowska**
"The Role of Diffusion Tensor Imaging in Assessment of Spinal Cord Injury"

10.25-10.55 **Julien Cohen-Adad**
"Multi-parametric MRI of spinal cord injury: methodological challenges"

11.05-11.35 **Serge Rossignol**, Marina Martinez, Hugo Delivet-Mongrain, Julien Cohen-Adad
"Recovery of locomotion after partial spinal cord lesions in cats using behavioral, electrophysiological and imaging technique"

11:45-12:15 **Frank Bradke**
"Cytoskeletal Mechanisms of Axonal Growth and Regeneration"

12:25-13:30 Lunch

13.30-14.00 **Ole Kiehn**
"Probing Neural Circuits Controlling Walking: Moving Forward"

14.10-14.40 **Robert Brownstone**
"Imaging Motor Microcircuits in the Spinal Cord"

14.50-15:20 **Julita Czarkowska-Bauch, Małgorzata Skup**
"Visualizing the impact of training and neurotrophins on functional recovery"

15:30-16:00 Coffee break

16.00-16.30 **Urszula Sławińska, Larry M. Jordan**
"The Role of Serotonin in Control of Locomotor Movements Revealed Using Behavioral, Electrophysiological and Imaging Techniques"

16.40-17.10 **Eva Sykova**
"Stem Cells and Biomaterials for Treatment of Spinal Cord Injury"

17.20-17.50 **Mirosław Janowski**
"Nanomedicine: Contribution of Nanoparticles toward Imaging of Central Nervous System and Stem Cells"

18:00-18:10 **Artur Czupryn**
"Go beyond invisible: high-resolution and real-time visualization of micro-manipulations in the brain and spinal cord"

18:10-18:30 closing remarks

18:30- Get-together with food and drink

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