

# International Symposium on Spasticity and Motor Control with the 30<sup>th</sup> Dr. Janez Faganel Memorial Lecture

Ljubljana, 4–6 September 2014

## Preliminary Programme

### Thursday, 4 September 2014

University Medical Centre Ljubljana, Lecture Hall 1

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17.00	<i>Registration</i>
18.30–18.40	Janez Zidar and Helena Burger (Ljubljana, Slovenia): <i>Opening</i>
18.40–18.45	Barry McKay Information on the <i>International Society of Restorative Neurology</i>
18.45–19.30	Giorgio Brunelli (Brescia, Italy): Treatment of paraplegia by microsurgical intervention  Giorgio Brunelli (Brescia, Italy): Plasticity of brain by scattered single neural cells
19.30–20.30	Welcome reception

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### Friday, 5 September 2014

University Medical Centre Ljubljana, Lecture Hall 1

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07.00	Registration
08.30–09.05	Hans Hultborn (Copenhagen, Denmark): Spinal plasticity and development of spasticity
09.05–09.40	Geoffrey Sheean (San Diego, California, USA): Treatment of spasticity
09.40–10.15	John Rothwell (London, UK): Spinal and cortical plasticity of descending drive to spinal motor networks
10.15–10.45	<i>Coffee break</i>
10.45–11.25	Tatiana Deliagina (Stockholm, Sweden): Spinal interneurons and motor control. Intracellular recordings in cat
11.25–11.45	Maria Gabriella Ceravolo (Ancona, Italy): Non-invasive cortical stimulation
11.45–12.20	Frank Rattay (Vienna, Austria): Research in fundamentals of muscle and nerve electrical stimulation Janez Faganel Memorial Lecture
12.20–13.05	Janez Zidar (Ljubljana, Slovenia): Introduction Milan R. Dimitrijevic (Ljubljana, Slovenia): Neurophysiological evidences for “lumbar cord brain” in human
13.05–14.30	<i>Lunch</i>

14.30–14.55	Klemen Grabljevec, Roman Bošnjak (Ljubljana, Slovenia): Alleviation of spasticity by baclofen
14.55–15.20	Markus Kofler (Hochzirl, Austria): The blink reflex and modulation in spinal cord injury
15.20–15.45	Ursula Hofstoetter (Vienna, Austria): Posterior root-muscle reflexes and possibilities of their modulation
15.45–16.10	Karen Minassian (Vienna, Austria): Mechanisms of rhythm generation of the human lumbar cord
16.10–17.00	<i>Coffee break</i>
17.00–17.30	Simon Danner (Vienna, Austria): Modeling locomotor pattern generating networks of the human lumbar cord
17.30–17.55	Matthias Kren (Vienna, Austria): Electrophysiology of posterior root-muscle reflex
20.00	<i>Symposium dinner</i>

### **Saturday, 6 September 2014**

University Rehabilitation Institute Ljubljana

<b>07.30</b>	<i>Registration</i>
	Workshop 1:
<b>08.30–12.00</b>	<b>Spinal cord stimulation: Spasticity &amp; movement</b> <i>Coffee will be available during the workshop</i>
08.30–08.55	Winfried Mayr (Vienna, Austria): Biomedical engineering and external control of paralyzed limbs
08.55–11.30	Instrumentation for transcutaneous spinal cord stimulation and its application in healthy subjects and in patients with the upper motor neuron dysfunction
11.30–12.00	Data analysis
12.00–13.30	Lunch
	Workshop 2:
<b>13.30–17.00</b>	<b>Mesh glove stimulation of the spastic hand</b> <i>Coffee will be available during the workshop</i>
13.30–13.55	Blaž Koritnik (Ljubljana, Slovenia): Neurophysiology and neuroimaging of whole hand mesh-glove subsensory stimulation
13.55–15.10	Instrumentation and protocol for the application of mesh-glove whole-hand stimulation
15.10–16.30	Hands-on session on healthy volunteers and subjects with spastic hands
16.30–17.00	Discussion with participants on the continuation of learned interventions in their clinics
17.00	<i>Closing of the Symposium</i>