

## May 9<sup>th</sup> 2013 (Thursday)

12.00	Registration opens
14.00 - 15.30	<p style="text-align: center;"><b>ADOLF BECK'S MEMORIAL SESSION</b></p> <p style="text-align: center;"><b>Opening</b> <b>Marian Lewandowski</b> (Jagiellonian University, President of the Polish Neuroscience Society, Poland)</p> <p style="text-align: center;"><b>Introduction to Beck's Memorial Session</b> <b>Stanisław Konturek</b> (Jagiellonian University Medical College, Poland)</p> <p style="text-align: center;">*</p> <p style="text-align: center;"><b>Adolf Beck - discovery of the brain electrical activity</b> <b>Andrzej Trzebski</b> (Warsaw Medical University, Poland)</p> <p style="text-align: center;"><b>Napoleon Cybulski and Adolf Beck – the most prominent Polish physiologists at the Department of Physiology at the Faculty of Medicine of the Jagiellonian University between 1885 and 1895</b> <b>Wiesław Pawlik</b> (Jagiellonian University Medical College, Poland)</p> <p style="text-align: center;"><b>Beck's place in the history of electroencephalography</b> <b>Anton Coenen</b> (Radboud University Nijmegen, the Netherlands)</p> <p style="text-align: center;"><b>Life and work of Beck in Lemberg/Lwów</b> <b>Oksana Zayachkivska</b> (Lviv National Medical University, Ukraine)</p> <p style="text-align: center;">*</p> <p style="text-align: center;"><b>Discussion and Closing Remarks</b> <b>Stanisław Konturek</b> (Jagiellonian University Medical College, Poland)</p>
15.30 - 16.00	coffee break
16.00 - 16.30	Opening Ceremony
16.30 - 17.30	<p style="text-align: center;">OPENING LECTURE:</p> <p style="text-align: center;"><b>Kainate receptors and their interactome in neuron plasticity</b></p> <p style="text-align: center;"><b>Juan Lerma</b> Instituto de Neurociencias de Alicante, CSIC-UMH, San Juan de Alicante, Spain</p>
17.30 - 17.45	break

17.45 - 18.45	<b>MEET YOUR SPEAKER – SCIENTIFIC CAREER OPPORTUNITIES SESSION</b>
18.45 - 19.45	<b>PUBLISH OR PERISH – INTRODUCTION TO ACADEMIC WRITING AND REVIEWING</b> <b>Ewa Kittel-Prejs</b> (Elsevier representative)
20.00	Welcome Reception

## May 10<sup>th</sup> 2013 (Friday)

9.00 - 10.30	<p><b>BASIC NEUROSCIENCE</b></p> <p>chaired by: <b>Matthew Holt</b> (VIB Center for the Biology of Disease, KU Leuven, Belgium)</p> <p>Matthew Holt: <i>Fundamental Mechanics of Membrane Trafficking: Lessons from the Central Nervous System</i></p> <p>Agata Kołodziejczyk: <i>A novel tangential neurons in the peripheral visual system of the Drosophila melanogaster</i></p> <p>Viktor Olah: <i>Different availability of potassium currents determines two functionally distinct populations of CCK-expressing neurons in the CA3 region</i></p> <p>Marta M. Czyżewska: <i>Mutation of <math>\alpha 64</math> residue at GABAA receptor binding-site influences not only agonist binding but also conformational transitions between bound states of the receptor</i></p>	<p><b>VISUAL ATTENTION</b></p> <p>chaired by: <b>Rolf Verleger</b> (Department of Neurology, University of Lübeck, Germany)</p> <p>Rolf Verleger: <i>How Can We See Things in the Middle Without a Middle Brain?</i></p> <p>Kamila Śmigasiewicz: <i>Exogenous cuing of visual spatial attention during dual-stream rapid serial visual presentation</i></p> <p>Rob van der Lubbe: <i>The Simon effect towards memorized locations: EEG support for the involvement of attention</i></p> <p>Ewa Beldzik: <i>Neural networks related to pro-saccades and anti-saccades revealed by independent component analysis</i></p>
	10.30 - 11.00 morning coffee break	
11.00 - 12.30	<p><b>NEUROPHYSIOLOGY</b></p> <p>chaired by: <b>Inna Slutsky</b> (Department of Physiology &amp; Pharmacology, Tel Aviv University, Israel)</p>	<p><b>AFFECTIVE NEUROSCIENCE</b></p> <p>chaired by: <b>Gilles Pourtois</b> (Psychopathology &amp; Affective Neuroscience Laboratory, Ghent University, Belgium)</p>

	<p>Inna Slutsky: <i>Hippocampal Plasticity: From synaptic dynamics to Alzheimer's Disease</i></p> <p>Grzegorz Wiera: <i>Differential effects of MMP-9 and MMP-3 on synaptic plasticity in mossy fiber-CA3 and CA3-CA1 hippocampal projections</i></p> <p>Jeroen M.J. Knippenberg: <i>Oscillations within the amygdalo-prefronto-striatal network as correlates of prospective timing in rats</i></p> <p>Patrycja Orłowska: <i>How particular photoreceptors contribute to infra slow oscillatory activity generation in the rat olivary pretectal nucleus?</i></p>	<p>Gilles Pourtois: <i>Variety of affective state-dependent modulations of attention control and early gain control effects in primary visual cortex</i></p> <p>Valeria Bekhtereva: <i>Time-course of attention-emotion resource competition in early visual cortex is related to the latency of emotional cue extraction</i></p> <p>Filip Gęsiarz: <i>Asymmetry of the conflict adaptation effect for the positive and negative incongruent stimuli in the face-word Stroop task</i></p> <p>Jarosław Michałowski: <i>Electrophysiological evidences for increased vigilance and selective attention effects in fear and anxiety</i></p>
12.30 - 12.40	Break	
12.40 - 13.40	<p style="text-align: center;">PLENARY LECTURE:</p> <p style="text-align: center;"><b><i>Compound mechanisms for sensory map plasticity in the mouse barrel cortex</i></b></p> <p style="text-align: center;"><b>Anthony Holtmaat</b></p> <p style="text-align: center;">University of Geneva, Switzerland</p>	
13.40 - 15.00	Lunch	
15.00 - 17.00	<p style="text-align: center;"><b>NEUROIMAGING</b></p> <p style="text-align: center;">chaired by: <b>Grzegorz Wilczyński</b>, (Laboratory of Molecular and Systematic Neuromorphology, Nencki Institute of Experimental Biology, Warsaw, Poland) &amp; <b>Vincent Bonin</b> (Neuro-Electronics Research Flanders &amp; KU Leuven, Belgium)</p> <p>Grzegorz Wilczyński: <i>Activity-dependent architectural remodeling of the neuronal cell nucleus</i></p> <p>Vincent Bonin: <i>Large-scale physiology and imaging of targeted neuronal populations in behaving mice</i></p> <p>Marta Pyskaty: <i>Effect of MMP-9 activity on dendritic spine turnover and morphology</i></p>	<p style="text-align: center;"><b>EPILEPSY &amp; SOMATOSENSORY PROCESSING IN ANIMAL AND HUMAN STUDIES</b></p> <p style="text-align: center;">chaired by: <b>Tineke van Rijn</b> (Donders Centre for Cognition, Radboud University Nijmegen, the Netherlands)</p> <p>Thomas Budde: <i>Altered properties of thalamic pacemaker channels in a rat model of human absence epilepsy</i></p> <p>Annika Luttjohann: <i>Unraveling brain networks in absence epilepsy</i></p> <p>Lili Huang: <i>High frequency stimulation in a seizure model of TLE</i></p> <p>Magdalena Smyk: <i>Together but apart: relationship between absence seizures and motor activity</i></p> <p>Marjan de Vries: <i>Altered resting state EEG in patients with chronic abdominal pain</i></p>

	Iwona Czaban: <i>Optimization of 3D segmentation of neuronal cell nuclei in the mouse brain</i>	Alexandru Calin: <i>Intraoperative somatosensory evoked potential monitoring decreases EEG burst suppression ratio during general anesthesia</i>
17.00 - 17.30	afternoon coffee break	
17.30 - 18.30	<p>PLENARY LECTURE:</p> <p><b><i>When Thoughts Become Actions: Imaging Disorders of Consciousness</i></b></p> <p><b>Adrian Owen</b></p> <p>Centre for Brain and Mind, University of Western Ontario, Canada</p>	
18.30 - 20.00	POSTER SESSION	
20.00	Conference Dinner (with invitations only)	

## May 11<sup>th</sup> 2013 (Saturday)

	<p><b>NEUROPSYCHIATRY</b></p> <p>chaired by: <b>Karolina Skibicka</b> (Institute of Neuroscience and Physiology, University of Göteborg, Sweden)</p> <p>Karolina Skibicka: <i>My gut made me do it! The story of how gut hormones influence food reward and motivation</i></p> <p>Dagmara Wróbel: <i>Antidepressant-like activity of newly synthesized quinoline and isoquinoline analogues of aripiprazole</i></p> <p>Justyna Papciak: <i>Chronic psychosocial stress makes rats more pessimistic in the ambiguous-cue interpretation paradigm</i></p> <p>Anna Podleśny: <i>Role of Retinoid X receptors in control stress adaptation processes in social defeat model</i></p>	<p><b>PSYCHOPHYSIOLOGY OF COGNITIVE &amp; EMOTIONAL FUNCTIONING</b></p> <p>chaired by: <b>Tytus Sosnowski</b> (University of Warsaw, Poland)</p> <p>Tytus Sosnowski: <i>Rule application versus rule discovery: A cardiovascular perspective</i></p> <p>Javier Arbol: <i>The heart of emotions: understanding fear through left ventricular contractility</i></p> <p>Magdalena Ferdek: <i>Electrophysiological correlates of individual differences in tendency to ruminate</i></p> <p>Patrycja Naumczyk: <i>The neural mechanisms of the non-specific digestive tract diseases. Preliminary report</i></p>
9.00 - 10.30		
10.30 - 10.40	Break	

<p><b>10.40 - 11.40</b></p>	<p style="text-align: center;">PLENARY LECTURE:</p> <p style="text-align: center;"><b><i>The neurobiology of language beyond the information given</i></b></p> <p style="text-align: center;"><b>Peter Hagoort</b></p> <p style="text-align: center;">Donders Centre for Cognitive Neuroimaging &amp; Max-Planck Institute for Psycholinguistics, Nijmegen, the Netherlands</p>		
<p><b>11.40 - 12.00</b></p>	<p style="text-align: center;">morning coffee break</p>		
<p><b>12.00 - 13.30</b></p>	<p style="text-align: center;"><b>NEUROGENETICS</b></p> <p style="text-align: center;">chaired by: <b>Lora Heisler</b> (Department of Pharmacology, University of Cambridge, UK)</p> <p>Lora Heisler: <i>Integration of Metabolic Signals by CNS Serotonin Pathways</i></p> <p>Dorota Badowska: <i>How to make a schizophrenic mouse?</i></p> <p>Agnieszka Jurga: <i>Investigation of long-term effects of genetically evoked selective noradrenergic denervation on dopaminergic system functioning</i></p> <p>Kamila Mizerska: <i>Impaired corneal epithelial wound healing and innervations in SP and alpha-CGRP knockout mice</i></p>	<p style="text-align: center;"><b>PERCEPTION &amp; BRAIN PLASTICITY</b></p> <p style="text-align: center;">chaired by: <b>Gregory Kroliczak</b> (Institute of Psychology, Adam Mickiewicz University, Poznań, Poland)</p> <p>Gregory Kroliczak: <i>An fMRI study of perception and imitation of transitive and intransitive skills</i></p> <p>Marcin Szwed: <i>Dejerines' reading area revisited with intracranial-EEG: selective responses to letter-strings</i></p> <p>Agata Woźniak-Kwaśniewska: <i>An EEG-rTMS study of the influence of rTMS over the left DLPFC: A comparison of different stimulation protocols in healthy subjects</i></p>	<p style="text-align: center;"><b>INTERACTIVE ORAL SESSION OF MEDICAL CASE REPORTS</b></p> <p style="text-align: center;">chaired by: <b>Krzysztof Banaszekiewicz</b> (Krakow Academy of Neurology, Poland)</p> <p style="text-align: center;">Brandon M. Henry: <i>First Bite Syndrome</i></p> <p>Adrian Chrobak: <i>Coincidence of dementia and ataxia – a challenge for clinician and pathologist. Consideration based upon unusual complex clinicopathological familial syndrome</i></p> <p>Grzegorz Siwek: <i>Angiocentric glioma as a rare cause of drug-resistant focal seizures - case report</i></p> <p>Michał Błaż: <i>The progression of Huntington's Disease symptoms during 4.5 years follow-up – a case study</i></p> <p>Kamil Polok: <i>A 64-year-old male with sudden loss of orientation and changes in behavior</i></p> <p style="text-align: center;">Anna Drózdź: <i>Case Report: Neurosurgical Treatment of Drug-Resistant Epilepsy</i></p> <p>Anna M. Łopatkiewicz: <i>A patient with subacute onset of memory impairment, gait disturbances and urinary retention</i></p> <p style="text-align: center;">Urszula Skrobas: <i>Idiopathic bilateral hypertrophic olivary degeneration (HOD) - case report</i></p>

13.30 - 15.00	lunch	
15.00 - 16.00	<p style="text-align: center;">PLENARY LECTURE:</p> <p style="text-align: center;"><b><i>The dynamic brain: Time as coding space in cortical processing</i></b></p> <p style="text-align: center;"><b>Wolf Singer</b></p> <p style="text-align: center;">Max-Planck Institute for Brain Research, Frankfurt am Main, Germany</p>	
16.00 - 16.10	break	
16.10 - 17.40	<p style="text-align: center;"><b>NEUROPATHOLOGY</b></p> <p style="text-align: center;">chaired by: <b>Katarzyna Starowicz-Bubak</b> (Department of Pharmacology of Pain, Institute of Pharmacology, Polish Academy of Sciences, Krakow, Poland)</p> <p>Katarzyna Starowicz-Bubak: <i>Role of Endocannabinoid And Endovanilloid Tone In Antinociception</i></p> <p>Natalia Malek: <i>Role of TRPV1 phosphorylation and dephosphorylation in development of neuropathic pain</i></p> <p>Michał Kielbiński: <i>Quantitative magnetic resonance and immunohistochemical analysis of animals with experimentally-induced cerebral dysplasia</i></p> <p>Katarzyna Konarzewska: <i>Efficient isolation of rare stem and precursor cell populations responding to the central nervous system traumatic injury by use of fluorescence activated cell sorting</i></p>	<p style="text-align: center;"><b>AUDITORY PROCESSING</b></p> <p style="text-align: center;">chaired by: <b>Raffaele Cacciaglia</b> (University of Barcelona &amp; University Jaume I, Castellón de la Plana, Spain)</p> <p>Raffaele Cacciaglia: <i>Auditory deviance detection in the human brainstem: direct evidence from functional magnetic resonance imaging</i></p> <p>Inga Griskova-Bulanova: <i>Are auditory-steady state responses gender-sensitive?</i></p> <p>Urszula Górska: <i>Diagnosis of consciousness in DOC patients using auditory steady-state responses (ASSRs)</i></p>
17.40 - 18.00	afternoon coffee break	
18.00 - 19.00	<p style="text-align: center;">CLOSING LECTURE:</p> <p style="text-align: center;"><b><i>CNS Remyelination – from biology to therapy</i></b></p> <p style="text-align: center;"><b>Robin Franklin</b></p> <p style="text-align: center;">Wellcome Trust-MRC Cambridge Stem Cell Institute, University of Cambridge, UK</p>	

<b>19.00 - 19.30</b>	Closing Remarks (with awards for the best oral and poster presentations)
<b>21.00</b>	Farewell Party