May 9th 2013 (Thursday)	
14.00 - 15.30	**ADOLF BECK'S MEMORIAL SESSION** ***Opening*** **Marian Lewandowski** (Jagiellonian University, President of the Polish Neuroscience Society, Poland) ***Introduction to Beck's Memorial Session*** **Stanisław Konturek** (Jagiellonian University Medical College, Poland) * ***Adolf Beck - discovery of the brain electrical activity*** **Andrzej Trzebski** (Warsaw Medical University, Poland) ***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*** **Wiesław Pawlik** (Jagiellonian University Medical College, Poland) ***Beck's place in the history of electroencephalography*** **Anton Coenen** (Radboud University Nijmegen, the Netherlands) ***Life and work of Beck in Lemberg/Lwów*** **Oksana Zayachkivska** (Lviv National Medical University, Ukraine) * ***Discussion and Closing Remarks*** **Stanisław Konturek** (Jagiellonian University Medical College, Poland)
15.30 - 16.00	coffee break
16.00 - 16.30	Opening Ceremony
16.30 - 17.30	OPENING LECTURE: ***Kainate receptors and their interactome in neuron plasticity*** **Juan Lerma** Instituto de Neurociencias de Alicante, CSIC-UMH, San Juan de Alicante, Spain

17.30 - 17.45	Break
17.45 - 18.45	**MEET YOUR SPEAKER – SCIENTIFIC CAREER OPPORTUNITIES SESSION**
18.45 - 19.45	**PUBLISH OR PERISH – INTRODUCTION TO ACADEMIC WRITING AND REVIEWING** **Ewa Kittel-Prejs** (Journals Publishing Director, Elsevier Easter Europe)
20.00	Welcome Reception

May 10th 2013 (Friday)		
9.00 - 10.30	**NEUROIMAGING** chaired by: **Grzegorz Wilczyński**, (Laboratory of Molecular and Systematic Neuromorphology, Nencki Institute of Experimental Biology, Warsaw, Poland) **& Vincent Bonin** (Neuro-Electronics Research Flanders & KU Leuven, Belgium) Grzegorz Wilczyński: *Activity-dependent architectural remodeling of the neuronal cell nucleus* Marta Pyskaty: *Effect of MMP-9 activity on dendritic spine turnover and morphology* Iwona Czaban: *Optimization of 3D segmentation of neuronal cell nuclei in the mouse brain* Vincent Bonin: *Large-scale physiology and imaging of targeted neuronal populations in behaving mice*	**VISUAL ATTENTION** chaired by: **Rolf Verleger** (Department of Neurology, University of Lübeck, Germany) Rolf Verleger: *How Can We See Things in the Middle Without a Middle Brain?* Kamila Śmigasiewicz: *Exogenous cuing of visual spatial attention during dual-stream rapid serial visual presentation* Rob van der Lubbe: *The Simon effect towards memorized locations: EEG support for the involvement of attention* Ewa Beldzik: *Neural networks related to pro-saccades and anti-saccades revealed by independent component analysis*
10.30 - 11.00	morning coffee break	
11.00 - 12.30	**NEUROPHYSIOLOGY** chaired by: **Inna Slutsky** (Department of Physiology & Pharmacology, Tel Aviv University, Israel)	**AFFECTIVE NEUROSCIENCE** chaired by: **Gilles Pourtois** (Psychopathology & Affective Neuroscience Laboratory, Ghent University, Belgium)

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

	on dendritic spine turnover and morphology Iwona Czaban: *Optimization of 3D segmentation of neuronal cell nuclei in the mouse brain*	*seizure model of TLE* Magdalena Smyk: *Relationship between absence seizures and motor activity* Marjan de Vries: *Altered resting state EEG in patients with chronic abdominal pain* Alexandru Calin: *Intraoperative somatosensory evoked potential monitoring decreases EEG burst suppression ratio during general anesthesia*
17.00 - 17.30	afternoon coffee break	
17.30 - 18.30	PLENARY LECTURE: ***When Thoughts Become Actions: Imaging Disorders of Consciousness*** **Adrian Owen** Centre for Brain and Mind, University of Western Ontario, Canada	
18.30 - 20.00	POSTER SESSION	
20.00	Conference Dinner (with invitations only)	

May 11th 2013 (Saturday)		
9.00 - 10.30	**NEUROPSYCHIATRY** chaired by: **Karolina Skibicka** (Institute of Neuroscience and Physiology, University of Göteborg, Sweden) Karolina Skibicka: *My gut made me do it! The story of how gut hormones influence food reward and motivation* Dagmara Wróbel: *Antidepressant-like activity of newly synthesized quinoline and isoquinoline analogues of aripiprazole* Justyna Papciak: *Chronic psychosocial stress makes rats more pessimistic in the ambiguous-cue interpretation paradigm*	**PSYCHOPHYSIOLOGY OF COGNITIVE & EMOTIONAL FUNCTIONING** chaired by: **Tytus Sosnowski** (University of Warsaw, Poland) Tytus Sosnowski: *Rule application versus rule discovery: A cardiovascular perspective* Javier Arbol: *The heart of emotions: understanding fear through left ventricular contractility* Magdalena Ferdek: *Electrophysiological correlates of individual differences in tendency to ruminate*

	Anna Podleśny: *Role of Retinoid X receptors in control stress adaptation processes in social defeat model*	Patrycja Naumczyk: *The neural mechanisms of the non-specific digestive tract diseases. Preliminary report*	
10.30 - 10.40	break		
10.40 - 11.40	PLENARY LECTURE: ***The neurobiology of language beyond the information given*** **Peter Hagoort** Donders Centre for Cognitive Neuroimaging & Max-Planck Institue for Psycholinguistics, Nijmegen, the Netherlands		
11.40 - 12.00	morning coffee break		
12.00 - 13.30	**NEUROGENETICS** chaired by: **Lora Heisler** (Department of Pharmacology, University of Cambridge, UK) Lora Heisler: *Integration of Metabolic Signals by CNS Serotonin Pathways* Agnieszka Jurga: *Investigation of long-term effects of genetically evoked selective noradrenergic denervation on dopaminergic system functioning* Dorota Badowska: *How to make a schizophrenic mouse?* Kamila Mizerska: *Impaired corneal epithelial wound healing and innervations in SP and alpha-CGRP knockout mice*	**PERCEPTION & BRAIN PLASTICITY** chaired by: **Gregory Kroliczak** (Institute of Psychology, Adam Mickiewicz University, Poznań, Poland) Gregory Kroliczak: *An fMRI study of perception and imitation of transitive and intransitive skills* Marcin Szwed: *Dejerines' reading area revisited with intracranial-EEG: selective responses to letter-strings* Agata Woźniak-Kwaśniewska: *An EEG-rTMS study of the influence of rTMS over the left DLPFC: A comparison of different stimulation protocols in healthy subjects*	**INTERACTIVE ORAL SESSION OF MEDICAL CASE REPORTS** chaired by: **Krzysztof Banaszkiewicz** (Krakow Academy of Neurology, Poland) Brandon M. Henry: *First Bite Syndrome: a postoperative complication of cervical vagal schwannoma excision* Adrian Chrobak: *Coincidence of dementia and ataxia – a challenge for clinician and pathologist.Consideration based upon unusual complex clinicopathological familial syndrome* Grzegorz Siwek: *Angiocentric glioma as a rare cause of drug-resistant focal seizures - case report* Michał Błaż: *The progression of Huntington's Disease symptoms during 4.5 years follow-up – a case study*

			Kamil Polok: *A 64-year-old male with sudden loss of orientation and changes in behavior* Anna Dróżdż:*Case Report: Neurosurgical Treatment of Drug-Resistant Epilepsy* Anna M. Łopatkiewicz: *A patient with subacute onset of memory impairment, gait disturbances and urinary retention* Urszula Skrobas: *Idiopathic bilateral hypertrophic olivary degeneration (HOD) - case report*
13.30 - 15.00	lunch		
15.00 - 16.00	PLENARY LECTURE: ***The dynamic brain: Time as coding space in cortical processing*** **Wolf Singer** Max-Planck Institute for Brain Research, Frankfurt am Main, Germany		
16.00 - 16.10	break		
16.10 - 17.40	**NEUROPATHOLOGY** chaired by: **Katarzyna Starowicz-Bubak** (Department of Pharmacology of Pain, Institute of Pharmacology, Polish Academy of Sciences, Krakow, Poland) Katarzyna Starowicz-Bubak: *Role Of Endocannabinoid And Endovanilloid Tone In Antinociception* Natalia Malek: *Role of TRPV1 phosporylation and dephosphorylation in development of neuropathic pain* Michał Kiełbiński: *Quantitative magnetic resonance and immunohistochemical analysis of animals with experimentally-induced cerebral dysplasia*	**AUDITORY PROCESSING** chaired by: **Raffaele Cacciaglia** (University of Barcelona & University Jaume I, Castellón de la Plana, Spain) Raffaele Cacciaglia: *Auditory deviance detection in the human brainstem: direct evidence from functional magnetic resonance imaging* Inga Griskova-Bulanova: *Are auditory-steady state responses gender-sensitive?* Urszula Górska: *Diagnosis of consciousness in DOC patients using auditory steady-state responses (ASSRs)*	

	Katarzyna Konarzewska: *Efficient isolation of rare stem and precursor cell populations responding to the central nervous system traumatic injury by use of fluorescence activated cell sorting*	
17.40 - 18.00	afternoon coffee break	
18.00 - 19.00	CLOSING LECTURE: ***CNS Remyelination – from biology to therapy*** **Robin Franklin** Wellcome Trust-MRC Cambridge Stem Cell Institute, University of Cambridge, UK	
19.00 - 19.30	Closing Remarks (with awards for the best oral and poster presentations)	
21.00	Farewell Party	