Thursday, October 22, 2015

9.00 - 9.05	Opening ceremony
9.05 - 9.45	Opening Lecture
	Paweł Grieb (Poland) Tissue stress phenomena in the brain in the context of mechanism of neurological diseases and therapeutic neuroprotection
9.45 - 10.30	Plenary Lecture
	TBC. M1 muscarinic agonists and a novel and highly potent activator of the M1R/sigma-1R complex: Future therapeutics of Alzheimer's (AD) and Parkinson's Disease (PD)
10.30 - 10.45	Coffee break
10.45 - 12.50	Session 1: Novel insights in Parkinson's disease – targets for neuroprotection
	Chairpersons: Krystyna Ossowska and Anna R. Carta
10.45 - 11.10	Joanna Motyl (Poland) Sphingolipid signalling in experimental model of Parkinson's disease
11.10 - 11.35	Grzegorz Kreiner (Poland) Noradrenergic signaling in Parkinson's disease
11.35 - 12.00	Klemencja Berghauzen-Maciejewska (Poland) A search for mechanisms of Parkinson's disease (PD)-associated depression in an animal model
12.00 - 12.25	Anna R. Carta (Italy) PPAR-gamma: therapeutic prospects in Parkinson's disease
12.25 - 12.50	Carsten Culmsee (Germany) Regulated cell death pathways converging at mitochondria are promising therapeutic targets for neuroprotection
12.50 - 14.00	Lunch
14.00 - 14.30	Poster session – part I
14.30 - 16.10	Session 2: Recent advancements and future perspectives in neurodegeneration and neuroregeneration
	Chairpersons: Barbara Zabłocka and Nadežda Lukáčová
14.30 - 14.55	Joanna Klimaszewska-Łata (Poland) Differential susceptibility of microglial cells and cholinergic neurons to neurodegenerative signals
14.55 - 15.20	Małgorzata Beręsewicz (Poland) <i>PKCβII in mitochondria as a potential neuroprotective factor. Proteomics strategy to elucidate protein-protein interactions involved in PKCβII signaling</i>
15.20 - 15.45	Joanna Sypecka (Poland) Neuroprotective and immunomodulatory properties of oligodendrocyte progenitors as a tool for neuroregenerative strategies
15.45 - 16.10	Nadežda Lukáčová (Slovakia) Therapeutic relevance of local hypothermia after spinal cord compression: A characterization of neurofilaments in white matter pathology

16.10 - 16.40 Coffee and posters – part II

Friday, October 23, 2015

9.00 - 10.30	Session 3: Emerging signalling pathways in Alzheimer's disease - part I
	Chairpersons: Joanna B. Strosznajder and Anne Eckert
9.00 - 9.30	Andrzej Szutowicz (Poland) Cholinergic hypothesis of dementia
9.30 - 10.00	Grażyna Niewiadomska (Poland) Dangerous Liaisons: tau interaction with muscarinic receptors
10.00 - 10.30	Grzegorz A. Czapski (Poland) <i>Cyclin-dependent kinase 5 signalling in neuroinflammation and neurodegeneration</i>
10.30 - 11.00	Coffee break
11.00 - 12.30	Session 3: Emerging signalling pathways in Alzheimer's disease - part II
	Chairpersons: Joanna B. Strosznajder and Anne Eckert
11.00 – 11.30	Anne Eckert (Switzerland) Neurosteroids and Alzheimer's disease. Mitochondria at the interface
11.30 - 12.00	Walter Lukiw (USA) Pathogenic microRNA (miRNA) signaling in Alzheimer's disease (AD) and age-related macular degeneration (AMD) target common genetic pathways leading to amyloidogenesis and inflammatory neurodegeneration
12.00 – 12.30	Grace Sun (USA) Insights for botanical polyphenols to target signaling pathways and regulate microglial activation
12.30 - 13.30	Lunch
13.30 - 14.00	Poster session - part I
14.00 - 16.00	Session 4: Synaptic biology: New targets for therapy in Autism Spectrum Disorders
	Chairpersons: Agata Adamczyk and David Beversdorf
14.00 - 14.30	David Beversdorf (USA) Effects and mechanisms of prenatal stress on neuro-development: applications to autism
14.30 - 15.00	Agata Adamczyk (Poland) Synaptic Shank proteins alterations in rat offspring following maternal immune activation: implications for autism spectrum disorders
15.00 - 15.30	Ksenia Meyza (Poland) Synaptic plasticity impairments in a BTBR T^* Iptr 3^{tf} /J mouse model of idiopathic autism
15.30 - 16.00	Anna Wilkaniec (Poland) $lpha$ -Synuclein and its role in synaptic function
16.00 - 16.30	Coffee and posters - part II
16.30	Closing ceremony