



CRACOW
2018

3rd Central European Biomedical Congress

entitled „News on biomarker discovery and research innovations in medicine and biomedical sciences”

September 15-18, 2018

Date	Time	Venue	Event	Chair
September 15	5 p.m.-	Galaxy Hotel	Registration	
	6.00 -6.30 p.m.		Welcome message	Honorary Committee
	6.30-7.15 p.m.		Inaugural lecture Margaret Haney Columbia University Medical Center, NY, USA <i>Cannabis intoxication, withdrawal and relapse: Human laboratory studies</i>	Professor Władysław Lasoń
	7.30-8.00 p.m.		Music performance	
	8.00-11.00 p.m.		Welcome party	

Date	Time	Venue	Event	Chair
September 16	8.00 a.m.-5.00 p.m. 8.45-10.45 a.m.	Auditorium Maximum, Krupnicza Street	<p>Registration</p> <p>Session 1 - Medium Hall A</p> <p><i>Toxic factors in the brain: a constant challenge to neurobiology</i></p> <p>Cordian Beyer Institute of Neuroanatomy, Uniklinik - RWTH Aachen, Aachen – Germany. <i>Estrogen and brain inflammation.</i></p> <p>Elżbieta Salińska Department of Neurochemistry, Mossakowski Medical Research Centre, Polish Academy of Sciences, Warsaw, Poland. <i>Hyperbaric and hypobaric treatment prevent radical oxygen species (ROS) toxicity in birth asphyxia.</i></p> <p>Magdalena Zielińska Department of Neurotoxicology, Mossakowski Medical Research Centre, Polish Academy of Sciences, Warsaw, Poland. <i>Astrocytic SN1 glutamine transporter in hyperammonemic encephalopathies.</i></p> <p>Małgorzata Kajta Department of Experimental Neuroendocrinology, Institute of Pharmacology Polish Academy of Sciences, Krakow, Poland. <i>Steroid and xenobiotic receptor signaling in pathologies of the nervous system.</i></p>	Professor Małgorzata Kajta

		<p>Session 2 - Medium Hall B <i>Session within the continuous training of professional Pharmacists</i></p> <p>Rare diseases - every-day reality of neurology</p> <p>Zbigniew A. Gaciong Department of Internal Medicine, Hypertension and Vascular Diseases, Medical University of Warsaw, Warsaw, Poland. <i>What can we offer patients with rare vascular diseases?</i></p> <p>Jolanta Sykut-Cegielska Mossakowski Medical Research Centre, Polish Academy of Sciences, Warsaw, Poland. <i>Inborn errors of metabolism as rare diseases.</i></p> <p>Tomasz Dzedzic Department of Neurology, Jagiellonian University Medical College, Kraków, Poland. <i>Autoimmune encephalopathies: rare, but treatable neurological disorders.</i></p> <p>Joanna Pera Department of Neurology, Jagiellonian University Medical College, Kraków, Poland. <i>Adrenoleukodystrophy - beyond fatty acids.</i></p>	<p>Professor Joanna Pera, Profesor Jolanta Sykut-Cegielska</p>
	10.45-11.15 a.m.	Coffee break	
	11.15-11.30 a.m.	Sponsor presentation - Medium Hall	
	11.30-12.15 a.m.	<p>Plenary lecture 1 - Medium Hall Francesco Pavone European Laboratory for Non Linear Spectroscopy and Department of Physics, University of Florence, Italy <i>Morpho-functional imaging: connecting a single neuron to whole brain</i></p>	<p>Professor Rafał Olszanecki</p>
	12.15 a.m.- 2 p.m.	Lunch break - Exhibition Room	
		<p>Poster session 1 - Exhibition Room</p>	

	2.00-4.00 p.m.		<p>Session 3 - Medium Hall A <i>Session within the continuous training of professional Pharmacists</i></p> <p style="text-align: center;"><i>New basic research on „legal highs”</i></p> <p>Dariusz Zuba Institute of Forensic Research, Kraków, Poland. <i>Recent developments in the new psychoactive substances market.</i></p> <p>Linda Simmler Department of Basic Neurosciences, University of Geneva, Switzerland. <i>Pharmacology of cathinones and related psychostimulants.</i></p> <p>Rosario Moratalla Cajal Institute (CSIC), Madrid Spain. <i>Is methamphetamine abuse a risk factor for Parkinson’s disease?</i></p> <p>Liana Fattore Institute of Neuroscience-Cagliari, National Research Council of Italy, Cittadella Universitaria di Monserrato, Monserrato , Italy. <i>Studies on the ketamine-like compound metoxetamine (MXE), a dissociative new drug.</i></p>	Professor Krystyna Gołtembiowska, Professor Liana Fattore
			<p>Session 4 - Medium Hall B</p> <p style="text-align: center;"><i>Translating scientific advances into therapies for neurodegenerative diseases</i></p> <p>M. Angela Cenci Basal Ganglia Pathophysiology Unit, Dept. of Experimental Medical Science, Lund University, Sweden. <i>Bridging the translational gap in Parkinson’s disease: challenges and opportunities.</i></p> <p>Katarzyna Kuter Department of Neuropsychopharmacology, Institute of Pharmacology PAS, Kraków, Poland. <i>Astrocytes and brain compensation potential in Parkinson’s disease.</i></p>	Doctor Katarzyna Kuter

		<p>Bianca Marchetti Department of Biomedical and Biotechnological Sciences, University of Catania Medical School, Catania, Italy & and OASI Institute for Research and Care on Mental Retardation and Brain Aging, Troina, Italy. <i>Translating neurorestorative approaches targeting astrocytes as drivers of neurorepair for next generation therapies in Parkinson's disease.</i></p>	
	4.00-4.30 p.m.	Coffee break	
	4.30-6.30 p.m.	<p>Session 5 - Medium Hall</p> <p><i>A way to consolidate your research independence – presentations from successful ERC grant applicants</i></p> <p>János Szabadics Institute of Experimental Medicine, Hungarian Academy of Sciences, Budapest, Hungary <i>Direct measurement of electrical signaling from the smallest axon terminals</i></p> <p>Thóra Káradóttir Cambridge Stem Cell Institute, University of Cambridge, UK</p> <p>Simon Hippenmeyer Institute of Science and Technology Austria Klosterneuburg, Austria</p>	<p>Professor Jan Rodriguez Parkitna Professor Umberto Spampinato</p>

Date	Time	Venue	Event	Chair
September 17	8.00 a.m.-5.00 p.m. 8.45-10.45 a.m.	Auditorium Maximum, Krupnicza Street	<p>Registration</p> <p>Session 6 - Medium Hall A</p> <p><i>Session within the continuous training of professional Pharmacists</i></p> <p><i>Obesity and diabetes: what needs to be identified and how to optimise treatment?</i></p> <p>Harini Sampath Rutgers Center for Lipid Research, Rutgers University, NJ, USA <i>Oxidative DNA damage: a novel player in the etiology of obesity</i></p> <p>Grzegorz Sumara Rudolf Virchow Center for Experimental Biomedicine University of Würzburg, Würzburg, Germany <i>Signaling cascades in metabolic diseases</i></p> <p>Agnieszka Dobrzyń Nencki Institute of Experimental Biology, PAS, Warsaw, Poland <i>Lipid mediators in regulation of pancreatic islet function.</i></p> <p>Jan Kopecky Department of Adipose Tissue Biology, Institute of Physiology of the Czech Academy of Sciences, Prague, Czech Republic <i>Healthy adipocyte</i></p>	Professor Agnieszka Dobrzyń

		<p>Session 7 - Medium Hall B</p> <p><i>Session within the continuous training of professional Pharmacists</i></p> <p>Pharmacogenetics and personalized medicine</p> <p>Władysława Anna Daniel Institute of Pharmacology, PAS, Kraków, Poland. <i>Introduction to pharmacogenetics.</i></p> <p>Julia Stingl Centre for Translational Medicine, Medical Faculty, University Bonn, Germany. <i>Mindful pharmacogenetics: the role of cytochrome P450 enzymes in drug metabolism and mental health.</i></p> <p>Mateusz Kurzawski Department of Experimental and Clinical Pharmacology, Pomeranian Medical University, Szczecin, Poland. <i>Genetic factors and personalized medicine in Parkinson's disease.</i></p> <p>Ewa Grzybowska Center for Translational Research and Molecular Biology of Cancer, Maria Skłodowska-Curie Memorial Cancer Center and Institute of Oncology, Gliwice, Poland. <i>"Genetic variation of response to treatment and toxic effects of FACregimen chemotherapy of breast cancer"</i></p> <p>Ewa Wypasek John Paul II Hospital, Institute of Cardiology, Jagiellonian University School of Medicine, Kraków, Poland, Kraków, Poland. <i>Genetic predictors of bleeding in patients treated with vitamin K antagonists: new insight</i></p>	<p>Professor W. Anna Daniel, Professor Julia Stingl</p>
	10.45-11.15 a.m.	Coffee break	
	11.15-11.30 a.m.	Sponsor presentation - Medium Hall	

	11.30-12.15 a.m.		Plenary lecture 2 - Medium Hall Ulrik Gether University of Copenhagen, Denmark <i>The dopamine transporter: a key player in psychostimulant addiction and dopaminergic pathologies</i>	Professor Edmund Przegaliński
	12.15 a.m.-2 p.m.		Lunch break - Exhibition Room	
	2.00-4.00 p.m.		Poster session 2 - Exhibition Room Session 8 - Medium Hall A <p style="text-align: center;"><i>From nanotechnology to nanomedicine</i></p> Witold Łojkowski Institute of High Pressure Physics of the Polish Academy of Sciences, Warsaw, Poland. <i>Hydroxyapatite nanoparticles: Past, present, and future in bone regeneration.</i> Tomasz Ciach Warsaw University of Technology, Warsaw, Poland. <i>Cancer nanotechnology: Beyond the horizon.</i> Marcin Kruszewski Institute of Nuclear Chemistry and Technology, Warsaw, Poland. <i>New look into theranostic nanoparticles in nuclear medicine.</i> Anna Nowicka University of Warsaw, Warsaw, Poland. <i>Nanosensors in POC diagnostics.</i> Session 9 - Medium Hall B <p style="text-align: center;"><i>Advances in seizures and epilepsy research</i></p> Camila V. Esguerra Chemical Neuroscience Group Center for Molecular Medicine, School of Pharmacy University of Oslo, Norway <i>Using zebrafish to model genetic epilepsies and elucidate drug mechanism of action.</i>	
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			<p>Rafał Kamiński Translational Medicine Neuroscience UCB Biopharma Chemin du Foriest, Braine-l'Alleud, Belgium. <i>Novel approaches to discovery of future antiepileptic drug targets.</i></p> <p>Urszula Doboszewska Department of Animal Physiology, Institute of Biology and Biochemistry, Faculty of Biology and Biotechnology, Maria Curie-Skłodowska University, Lublin, Poland. <i>The role of the GPR39 receptor in animal models of seizures and epilepsy.</i></p> <p>Piotr Maciejak Department of Neurochemistry, Institute of Psychiatry and Neurology, Warsaw, Poland; Department of Experimental and Clinical Pharmacology, Medical University of Warsaw, Centre for Preclinical Research and Technology (CePT), Warsaw, Poland. <i>Neurobiochemical mechanisms of a ketogenic diet: simple rules for a complex reality?</i></p>	
	4.00-4.30 p.m.		Coffee break	
	4.30-6.30 p.m.		<p>Workshop - Seminar Room, Conference Room <i>Recent advances in the theory and applications of biomedical systems.</i> Workshop topics will be presented on website at July 16, 2018.</p> <p>Due to the limited availability of seats, registration is strongly recommended and will be provided until August 31, 2018.</p>	ThermoFisher Scientific, Merck
	8.00-11.00 p.m.	Aviation museum	Congress dinner	

Date	Time	Venue	Event	Chair
September 18	8.00 a.m.-10 a.m.	Auditorium Maximum, Krupnicza Street	Registration	
	8.45-10.45 a.m.		<p data-bbox="929 217 1256 244">Session 10 - Medium Hall A</p> <p data-bbox="929 252 1715 279"><i>Session within the continuous training of professional Pharmacists</i></p> <p data-bbox="981 316 1756 343"><i>Pharmacology in the 21st century: opportunities and challenges</i></p> <p data-bbox="929 384 1144 411">Branden Stansley</p> <p data-bbox="929 419 1677 483">Vanderbilt Center for Neuroscience Drug Discovery, Vanderbilt University, USA.</p> <p data-bbox="929 491 1760 587"><i>Enhancing mGlu5 signaling for the treatment of cognitive impairment associated with schizophrenia: importance of signal bias and crosstalk with mGlu3</i></p> <p data-bbox="929 628 1077 655">Andrzej Pilc</p> <p data-bbox="929 663 1391 691">Institute of Pharmacology PAS, Poland.</p> <p data-bbox="929 699 1693 762"><i>Allosteric mGlu4 receptor modulators as antipsychotic-like drugs a crosstalk with 5HT1A receptors.</i></p> <p data-bbox="929 804 1301 831">Marta Dziejzicka-Wasylewska</p> <p data-bbox="929 839 1391 866">Institute of Pharmacology PAS, Poland.</p> <p data-bbox="929 874 1760 938"><i>Importance of GPCRs heteromerization in the central nervous system - dopamine receptors as an example.</i></p>	Professor Andrzej Pilc
	<p data-bbox="929 967 1256 994">Session 11 - Medium Hall B</p> <p data-bbox="981 1035 1756 1062"><i>Scientific idea and what next - from molecule to implementation</i></p> <p data-bbox="929 1110 1144 1137">Konrad Korbiński</p> <p data-bbox="929 1145 1379 1173">Synergia, Warsaw Medical University.</p> <p data-bbox="929 1181 1800 1244"><i>Productive and Safe Cooperation Between Scientists and Pharma Industry - safeguarding intellectual property and confidentiality.</i></p> <p data-bbox="929 1286 1158 1313">Marcin Szczeciński</p> <p data-bbox="929 1321 1144 1348">Adamed Sp. z o.o.</p> <p data-bbox="929 1356 1749 1420"><i>Aspects to consider before launching and early on in a drug discovery program – pharmaceutical industry perspective.</i></p>		Professor Magdalena Bujalska-Zadrozny Professor Tomasz Kocki	

		<p>Magdalena Bujalska-Zadrożny Pharmacodynamic Department, Warsaw Medical University. <i>From Basic research to medicinal product approval – a brief history of a novel formulation development.</i></p> <p>Louis Boon Bioceros, a member of Polpharma Biologics. <i>Discovery, preclinical development and production of therapeutic antibodies.</i></p> <p>Marcin Feder Adamed Sp. z o.o. <i>Discovery and preclinical evaluation of AD-O21.32, a selective MDM2-p53 protein-protein interaction inhibitor – lessons learned.</i></p> <p>Andrzej Kuśmierz WAW.AC – Warsaw Technology Accelerator. <i>Breaking ice between industry and academia.</i></p>	
	10.45-11.15 a.m.	Coffee break	
	11.15-12.00 a.m.	<p>Plenary lecture 3 - Medium Hall Csaba Földy Brain Research Institute, University of Zurich, Switzerland <i>Single-cell transcriptomic survey of neural identity and circuit connectivity</i></p>	Professor Irena Nalepa
	12.00 a.m.-1 p.m.	Lunch break - Exhibition Room	
	1.00-3.00 p.m.	<p>Session 12 - Medium Hall <i>Young Scientific Investigators' Session</i></p>	Professor Dariusz Zuba Professor Marzena Maćkowiak
	3.30-4.00 p.m.	Closing & Award ceremony - Medium Hall	Professor Malgorzata Filip Professor Joanna Pera