

The XIIth National Congress of the Romanian Society of Physiology – SRF2016,
Craiova, 26th to 28th of May 2016



**The XIIth National Congress of the Romanian Society of Physiology,
with international participation**

SRF2016

Craiova, 26th to 28th of May 2016

“PHYSIOLOGY: FROM OBSERVATION TO MOLECULAR MECHANISM”

Venue:

University of Medicine and Pharmacy of Craiova, Romania

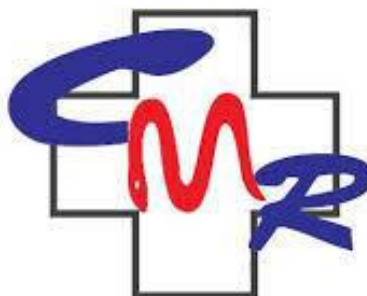
2-4 Petru Rares Str., 200349 Craiova, Romania

Contact details

Congress website: <http://congresfiziologie2016.umfcv.ro/>

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SRF2016 partners



Colegiul Medicilor din România

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Professor Veronica Sfredel – Craiova	Professor Aurel Saulea– Chișinău

Invited speakers

Frank Kirchoff PhD, Professor of Molecular Physiology, Center for Integrative Physiology and Molecular Medicine, University of Saarland, Homburg, Germany.

Arthur M. Butt, BSc, MPhil, PhD, Professor of Cellular Neurophysiology, Institute for Biomedical and Biomolecular Sciences, University of Portsmouth, UK.

Albrecht von Hardenberg MD, PhD, Department of Internal Medicine, University of Saarland, Homburg, Germany.

Dimitra Thomaidou PhD, Principal Investigator, Department of Neurobiology and Imaging Unit, Hellenic Pasteur Institute, Greece.

Alexandru Babes, PhD, Professor of Animal Physiology and Biophysics, Faculty of Biology, University of Bucharest, Romania

The organizing committee

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Program

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Thursday, May 26th 2016	
12:00 - 18:00	Welcoming of the participants – A building, Main Hall, 2-4 Petru Rares Street.
14:00 - 17:00	Workshop: Acquisition and Analysis of live cell imaging Assist. Prof. Cătălin Bogdan MD, PhD Animal Facility Building, University of Medicine and Pharmacy of Craiova
18:00 - 19:00	Opening ceremony - Aula Magna, B building, 66 – 68 1 May Street, Craiova Plenary lecture - invited speaker: Dimitra Thomaidou PhD, Principal Investigator, Department of Neurobiology and Imaging Unit, Hellenic Pasteur Institute, Greece. Astrocytes dynamics and reprogramming properties following brain injury and inflammation.
19:30	Welcome Reception
Friday, May 27th 2016	
All sessions will be held in Florin Bogdan Hall (1st Floor Hall), A Building, 2-4 Petru Rares Street	
09:00 - 09:30	Romanian Society of Physiology activity report. Held by the society's president, Professor Carmen Panaitescu MD, PhD (Timisoara, Romania)
09:30 - 11:00	First session, oral presentations: The inflammatory response - from molecular mechanisms to clinic <i>CHAIRMANS: Anca Ioana Bădărău, Remus Ioan Orasan</i> Plenary lecture - invited speaker: Albrecht von Hardenberg MD, PhD, Department of Internal Medicine, University of Saarland, Homburg, Germany, Reverse mode of the mitochondrial transhydrogenase during elevated cardiac afterload causes oxidative stress Intercellular signaling mechanisms in the response to allergens. Panaitescu C, Marusciac L, Cernescu L, Tămaş TP (Timisoara, Romania) The effects of prenatal exposure to silver nanoparticles on nitro-oxidative stress, apoptosis and behavior in offspring Wistar rats. Filip A, Danila O, Berghian-Sevastre A, Gheban D, Baldea I, Olteanu D, Clichici S, David L, Olenic L, Orasan R (Cluj-Napoca, Romania) The relevance of oxidative stress in the study of the biocompatibility of nanoparticles. Olteanu D, Filip A, Clichici S, Baldea I, Socaci C, Pruneanu S, Radu T, Turcu R, Achim M, Tefas L, Orasan R (Cluj-Napoca, Romania) Identification of axonal growth-relevant genes in the aging post-stroke brain, Buga AM, Popa-Wagner A, Surugiu R, Dumbrava D, Zavaleanu A, Gresita A (Craiova, Romania – Rostock, Germany) Sponsors seminar
11:00 - 11:30	Coffee break
11:30 - 13:00	Second session, oral presentations: Neuroscience <i>CHAIRMANS: Carmen Bunu Panaitescu, Leon Zăgrean</i> Plenary lecture - invited speaker: Frank Kirchhoff PhD, Professor of Molecular Physiology, Center for Integrative Physiology and Molecular Medicine, University of

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	<p>Saarland, Homburg, Germany, Neuroglia, a group of stars in the central nervous system - How astrocytes, oligodendrocytes and microglia determine brain functions</p> <p>Plenary lecture - invited speaker: Arthur M. Butt, BSc, MPhil, PhD, Professor of Cellular Neurophysiology, Institute for Biomedical and Biomolecular Sciences, University of Portsmouth, UK, Neurotransmission in CNS white matter: where are synapses?</p> <p>Stroke Therapy: The pleiotropic effects of hypothermia in the aged brains, Popa-Wagner A (Craiova, Romania – Rostock, Germany)</p> <p>Deep anesthetic coma facilitates the electrodiagnosis of the post-ischemic brain. Zagrean L, Paslaru A, Stancu M, Denise Z, Stoian A, Pavel B, Calin A, Zagrean AM, and Moldovan M (Bucharest, Romania)</p> <p>Controlling water diffusion in the CNS as a treatment option for oedema in acute ischemic stroke, Pirici D, Balseanu A, Bogdan C, Pirici I, Margaritescu C, Mogoanta L (Craiova, Romania)</p> <p>Sponsors seminar</p>
13:00 - 15:00	Lunch
15:00 - 15:30	SRF members meeting
15:30 - 17:00	<p>Third session, oral presentations: Mechanisms in Physiology I <i>CHAIRMANS: Clichici Simona, Eugen Osiac</i></p> <p>Plenary lecture - invited speaker: Alexandru Babes, PhD, Professor of Animal Physiology and Biophysics, Faculty of Biology, University of Bucharest, Romania, Involvement of TRPA1 and TRPV1 ion channels in the painful photosensitivity in porphyria s and photodynamic therapy</p> <p>Neuroprotective effect of oxytocin during in vivo neonatal hypoxia/hypercapnia in rats. Zagrean AM , Panaitescu A, Isac S, Ceanga M, Paslaru A, Stancu M, Pavel B, Zahiu DCM, Moldovan M and Zagrean L (Bucharest, Romania)</p> <p>Modified physiological mechanisms in the HPV infection. Orasan R, Orasan MS (Cluj-Napoca, Romania)</p> <p>Age-dependency of ventricular arrhythmogenicity and left ventricular molecular changes in hypertensive rats. Scridon A, Fouilloux-Meugnier E, Loizon E, Romestaing C, Oréa V, Chapuis B, Șerban R, Rome S, Julien C, Barrès C, Chevalier P (Tirgu Mures, Romania – Lyon, France)</p> <p>Skin neurovascular inflammatory response in diabetic neuropathy. Caruntu C, Ghita MA, Batani A, Caruntu A, Boda D (Bucharest, Romania)</p> <p>The effects of caffeine on behavior and oxidative stress in an experimental model of menopause, Sevastre Berghian AC, Toma VA, Caravan I, Moldovan R, Decea N, Orasan R, Filip GA (Cluj-Napoca, Romania)</p> <p>Sponsors seminar</p>
17:00 - 17:30	Coffee break
17:30 - 18:30	<p>Fourth Session, Posters (see abstracts) <i>CHAIRMANS: Adriana Gabriela Filip, Alina Scridon</i></p>
19:30	Networking event: dinner
Saturday, May 28th 2016	
All sessions will be held in Florin Bogdan Hall (1st Floor Hall), A Building, 2-4 Petru Rares Street	
09:00 - 10:30	<p>Fifth session, oral presentations: Mechanisms in Physiology II <i>CHAIRMANS: Anica Dricu, Ana Maria Zăgrean</i></p> <p>Carotid artery resistive index old and new significances. Andritoiu A, Mihai-Zamfir E, Slujitoru A, Tiugan C, Tiugan A (Craiova, Romania)</p>

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	Receptor Tyrosine Kinases Inhibition: An Emerging Paradigm in Personalized Cancer Therapy. Dricu A., Purcaru OS, Tache DE (Craiova, Romania)
	Molecular mechanisms used by mesenchymal stem cells in migration and adherence to inflammatory lesions, Marusciac L (Timisoara, Romania)
	New biological, morphological and functional indicators of minimal hepatic encephalopathy, Scheau C, Scheau AE, Ciornei CM, Papacocea RI, Bădărău IA (Bucharest, Romania)
	The upper motor controllers can provide respiratory mode similar to that produced by medullary respiratory oscillator. Besleaga T, Vovc V, Lozovanu S, Moldovanu I, Calabrese P (Chisinau, Republica Moldova - Grenoble, France)
	Corneal thickness and optic disc morphology in normal tension glaucoma, Coman CL, Paunescu HP, Bădărău AI, Coman LI (Bucharest, Romania)
	Microglia can change their morphology after perfusion. Cătălin B, Schlosser L, Bălșeanu TA, Scheller A (Craiova, Romania – Saarland, Germany)
	Sponsors seminar
10:30 - 10:45	Coffee break
10:45 - 12:00	<i>World café workshop: New approaches in teaching physiology</i> <i>CHAIRMANS: Carmen Tatu, Veronica Sfredel</i>
	From the clinical cases to the physiological mechanisms - a teaching method, Balseanu TA, Iancu M, Taisescu CI, Badea CD, Iancu I, Romanescu F, Burada E, Mitran SI, Catalin B, Corîci CA, Târtea GC, Sfredel V (Craiova, Romania)
	Understanding physiological origins of biosignals in a modular learning environment. Student perception, Tatu C, Panaitescu C, Pitic C, Cotarcă M, Bojin F, Pușcașiu D (Timișoara, Romania)
12:00 - 13:00	Closing and award ceremony