



TURKISH - FEPS PHYSIOLOGY CONGRESS

September 3-7, 2011

Yeditepe University



Istanbul

Abstract Submission Deadline 20 May 2011



www.feps2011.org



address: Cumhuriyet Cad. No:173/2 34373 Harbiye, Istanbul-Turkey
phone: +90 212 368 47 95 fax: +90 212 230 64 25
e-mail: feps2011@vip.com.tr



Committees

Congress Co-Presidents: Prof. Dr. Bayram Yılmaz (Yeditepe University) &

Prof. Dr. Neyhan Ergene (Turkish Society of Physiological Sciences)

Congress Secretary: Prof. Dr. Ertuğrul Kılıç (Yeditepe University)

International Scientific and Program Committee

- Prof. Dr. Kemal Türker (Chair)
- Prof. Dr. Neyhan Ergene
- Prof. Dr. Bayram Yılmaz
- Prof. Dr. Gülderen Şahin
- Prof. Dr. Berrak Yeğen
- Prof. Dr. Sacit Karamürsel
- Prof. Dr. Ulrich Pohl (FEPS)
- Prof. Dr. Ger van der Vusse (FEPS)
- Prof. Dr. Alex Verkhratsky (FEPS)

Local Organizing Committee

- Prof. Dr. Bayram Yılmaz (Chair)
- Prof. Dr. Neyhan Ergene
- Prof. Dr. Ertuğrul Kılıç
- Prof. Dr. Ümmühan İşoğlu-Alkaç
- Prof. Dr. Ahmet Ayar
- Prof. Dr. Şeref Erdoğan
- Assoc. Prof. Güler Öztürk
- Assist. Prof. Yusuf Özgür Çakmak

Budget and Financial Committee

- Prof. Dr. Neyhan Ergene
- Prof. Dr. Bayram Yılmaz
- Prof. Dr. Bryndis Birnir (FEPS)

Young FEPS Organizing Committee

- Prof. Dr. Güler Öztürk (Chair)
- Dr. Katharine Dibb
- Assoc. Prof. Dr. Ülkan Kılıç
- Assoc. Prof. Dr. Süleyman Sandal
- Dr. Burcu Şeker
- Dr. Meltem Sevgili
- Res.Assist. Sinem Eyüboğlu
- Res.Assist. Taha Keleştemur
- Res.Assist. Dr. Murat Doğan

PROGRAMME

Time	Blue Hall
All Day	Registration
09.30-09.45	Welcome & Introduction
09.45-10.00	What FEPS offers to young physiologists Ulrich Pohl
10.00-10.40	EYPS Keynote Lecture (Ahmet Korkmaz) Epigenetic mechanisms in human physiology and diseases
10.40-11.00	Coffee Break
11.00-12.45	Oral Presentations (OC 1 – OC 7)
12.45-14.00	Lunch and Poster Presentations
14.00-15.20	Oral Presentations (OC 8 – OC 13)
15.20-15.30	Coffee Break
	İnan Kırac Conference Hall
15.30-17.30	Respect to Masters Session Miklos Palkovits : New information regarding to neuronal circuits involved in the central regulation of food intake David Carpenter: New understanding of diseases caused by old chemicals Üner Tan : Üner Tan Syndrome; Human Quadrupedalism: History, Clinics, Genetics and the Self-Organized Emergent Properties
17.40-18.10	FEPS 2011 Opening Ceremony
18.10-19.00	FEPS Keynote Lecture (Antoon Moorman) Development of the building plan of the heart
19.30-22.00	Welcome Reception (Medical School)
Green Hall (Workshop I)	
Workshop I: "Lung, Macrophages, Hypoxia, Inflammation"	
08.30-09.45	Registration

09:45-10:00	Opening/welcome ceremony
10:00-10:30	(W 1) The pulmonary vasculature: Paul McLoughlin
10:30-11:00	(W 2) The alveolar barrier: Heimo Mairbäurl
11:00-11:15	Coffee Break
11:15-12.45	Short communications (W 3, W 4, OC 14, OC 15, OC 16)
12.45-14:00	Poster Session and Lunch Inflammation and hypoxia
14:00-14:30	(W 5) Inflammation and hypoxia: Stilla Frede
14:30-15:00	(W 6) Role of PHD in inflammation: Martin Schneider
15:00-15:30	Short communications (W 7, W 8)
15:30-16:00	Coffee Break Workshop: Hypoxia in the lab
16:00-16:30	(W 9) What is "tissue PO ₂ "? Heimo Mairbäurl
16:30-16:50	(W 10) Handling cells in hypoxia. Emel Baloglu
16:50-17:35	Short communications (W 11, OC 17, OC 18)
17:35-18:00	FEPS Opening Ceremony
18:00-18:50	FEPS Keynote Lecture

4th September (Sunday)

Time	Inan Kırac Conference Hall	Blue Hall
09.00-10.40	Symposium 1 Molecular physiology of chemical transmission in neuronal-glia circuits Vladimir Parpura, Peter Illes, Alexei	Symposium 2 Cardiovascular and respiratory reflexes: from physiology to clinics Alexander Gourine, Isabel Rocha, Susan A.

	Verkhatsky, Frank Kirchhoff	Deuchars, Max J. Hilz
10.40-11.10	Coffee Break	Coffee Break
11.10-11.55	Plenary Lecture (Can Ince) The pathophysiology of the septic myocardium: From microcirculation to the mitochondria	
12.00-13.00	Poster Session	Poster Session
13.00-14.00	Lunch	Lunch
14.00-15.40	Symposium 3 Purinergic signaling – coupling glia and neurons in health and disease Helmut Kettenmann, Cristina Limatola, Sergei Kirischuk, Mami Noda	Symposium 4 The increasing physiological role of brown adipose tissue Jan Nedergaard, Miguel Lopez, Michael Symonds, Francesc Villarroya
15.40-16.10	Coffee Break	
16.10-17.50	Symposium 5 Physiology of the (pro)renin receptor Agnes Prokai, Genevieve Nguyen, Jan Danser, Dominik Muller	Symposium 6 Functional alterations of membrane channels and neuronal excitability in epilepsy and muscle diseases Snezana Maljevic, Massimo Mantegazza, Karin Jurkat Rott, Matthew Walker
17.50-18.35	Plenary Lecture (Susan Wray) Uterine smooth muscle - can we tame the beast within?	

Green Hall (Workshop I)

	(Midkine Overview)
09:00-09:30	(W 12) Midkine: a multifunctional protein involved in reproduction, repair and pathogenesis of inflammatory and malignant diseases. Takashi Muramatsu
09:30-10:00	(W 13) Midkine signaling: from embryogenesis to disease. Mine Erguven
10:00-10:45	Short communications (W 14, W15, W 16)
10.45-11.00	Coffee Break
11.10-11.55	Plenary Lecture
12.00-14.00	Poster Session and Lunch Midkine, hypoxia and Inflammation

14:00-14:30	(W 17) Antimicrobial Properties of Midkine - New Roles for an old Protein. Sara Svensson
14:30-15:00	(W 18) Midkine, hypoxia and Inflammation: Signalling Pathways. Nuray Yazihan
15:00-15:30	Short communications (W 19, W 20)
15.30-16.00	Coffee Break Workshop: Visualizing hypoxic cell signaling
16:00-16:30	(W 21) Visualizing hypoxia and cellular oxygen sensing. Joachim Fandrey
16:30-17:00	(W 22) Gene/protein expression analysis: microarrays/2D, Gene/Protein Expression Analysis: Proteome, Microarrays. Duygu Ozel Demiralp
17:10-17:30	(W 23) High Throughput Experimentation for Hypothesis Generation and Testing. Bertal Huseyin Aktas
FEPS Executive Committee Meeting: 11.00 – 14.00 (# 448, Physiology Lab, Medical School)	

5th September (Monday)

Time	İnan Kıraç Conference Hall	Blue Hall
09.00-10.40	Symposium 7 Erythropoietin and Brain Max Gassmann, Ertugrul Kilic, Hannelore Ehrenreich, Christian Grimm	Symposium 8 Receptors for amino acids, fatty acids and metabolites: novel detectors of metabolism Joris Robben, Graeme Milligan, Hans Brauner-Osborne, Janos Peti-Peterdi
10.40-11.10	Coffee Break	Coffee Break
11.10-11.55	Plenary Lecture (Alan North) Molecular physiology of P2X receptors	
12.00-13.00	Poster Session	Poster Session
13.00-14.00	Lunch	Lunch

14.00-15.40	Symposium 9 Hypoxia's impact on the regulation of food intake and fat metabolism Wolfgang Langhans, Margriet Westerterp, Thomas Lutz, Paul Trayhurn	Symposium 10 New insights into the physiology, pathophysiology and pharmacology of non-vascular smooth muscle Eda Kumcu, Karl Sward, Chris H. Fry, Rachel F. Floyd
15.40-16.10	Coffee Break	
16.10-17.50	Symposium 11 Oxidative stress in ischemia-reperfusion injury in skeletal muscle, in exercise and inflammation, and influence of estrogen on skeletal muscle damage. Mustafa Gül, Bernard Geny, Peter Tiidus, Sashwati Roy, Osmo Hanninen	Symposium 12 Spinal and peripheral mechanisms in nociception and chronic pain Rita Bardoni, Richard Carr, Sue Fleetwood-Walker, Valerio Magnaghi
17.50-18.30	Oral Presentations (OC 19 – OC 21)	Oral Presentations (OC 22 – OC 25)
19.30-23.00	Gala Dinner (Sabancı Öğretmenevi, Anadolu Hisarı)	

Green Hall

09.00-10.40	
10.40-11.10	
11.10-11.55	
12.00-13.00	Poster Session
13.00-14.00	Lunch
14.00-17.30	Workshop II (W 24) Integration of Physiology Learning in Clinical Settings Berrak Yegen, Mehmet Ali Gulpinar, Seref Erdogan, Levent Ozturk, Ersin Koylu, Ozgur Kasimay
17.50-18.30	Oral Presentations (OC 26 – 29)

JAFM Meeting: 09.00 – 10.45 (# 448, Physiology Lab, Medical School)

FEPS Council Meeting: 11.00 – 13.00 (Uzeyir Garip Hall)

6th September (Tuesday)

Time	İnan Kıraç Conference Hall	Blue Hall	Green Hall
09.00-10.40	Symposium 13 Physiological responses to pressure Peter Norsk, Christian Aalkjaer, James Hicks, Tobias Wang	Symposium 14 Cellular dysfunction in heart disease; a paradigm of structural disorganisation and signalling failure Katharine Dibb, Ali El-Armouche, Elizabetta Cerbai, Patrick Most	Symposium 15 Neuroglial roots of neurodegenerative diseases José Julio Arellano, Daniela Rossi, Michael Heneka, Alain Privat
10.40-11.10	Coffee Break	Coffee Break	
11.10-11.55	Plenary Lecture (Gareth Leng) Neurotransmitters and peptides: whispered secrets and public announcements		
11.55-12.10	OC 30 (Bazbek Davletov) Regulation of neurotransmitter release by new botulinum molecules		
12.10-13.00	Poster Session	Poster Session	Poster Session
13.00-14.00	Lunch	Lunch	Lunch
14.00-15.40	Symposium 16 Diabetes, Obesity and GLP-1: Can a small peptide solve big problems? Jens Juul Holst, Diana Williams, Stefan Trapp, Wolfgang Langhans	Conference (Robert Carroll) Using educational research to improve your teaching Oral presentation (OC 31)	Oral Presentations (OC 32 – 40)
15.40-16.10	Coffee Break		
16.10-17.50	Symposium 17 What is new in calcium signaling? Ole H Petersen, Alexei Verkhratsky, Tullio Pozzan, Javier Garcia-Sancho	Symposium 18 Mouse models of vascular permeability control: Visualizing the Future Fitz-Roy Curry, Michaela Kuhn, Ritva Heljasvaara, Cecilie B Rygh	Oral Presentations (OC 41 - 49)
17.50-18.30	Closing Session and Award Ceremony		

Poster Presentations & Numbers

4th September (Sunday), 12.00 – 14.00h

PC 1 – PC 15 (Cellular & Molecular Physiology-I)

PC 31 – PC 45 (Muscle Physiology)

PC 76 – PC 90 (Neurophysiology –I)

PC 91 – PC 105 (Neurophysiology –II)

PC 167 – PC 181 (Endocrine Physiology-I)

PC 213 – PC 228 (Exercise Physiology-I)

PC 245 – PC 260 (Oxidative Stress – I)

5th September (Monday), 12.00 – 14.00h

PC 16 – PC 30 (Cellular & Molecular Physiology-II)

PC 46 – PC 60 (Cardiovascular & Respiratory Physiology – I)

PC 106 – PC 120 (Neurophysiology –III)

PC 121 – 135 (Neurophysiology –IV)

PC 229 - PC 244 (Exercise Physiology-II)

PC 261 – PC 275 (Oxidative Stress – II)

PC 291 – PC 305 (Reproduction)

6th September (Tuesday), 12.00 – 14.00h

PC 61 – PC 75 (Cardiovascular & Respiratory Physiology – II)

PC 136 – PC 150 (Neurophysiology –V)

PC 151 – PC 166 (Neurophysiology –VI)

PC 182 – PC 196 (Endocrine Physiology-I)

PC 197 – PC 212 (Pathophysiology)

PC 276 – PC 290 (Oxidative Stress – III)

PC 306 – PC 321 (Others)