1st MEETING OF THE BALTIC PHYSIOLOGICAL SOCIETIES

PROGRAM

May 10-11, 2013
Europa Royale Kaunas Hotel
Miško gatvė 11, Kaunas, Lithuania

Note for poster presenters! Poster must not exceed the size of A0 (~120×85 cm)

Friday, May 10

12:00-13:00   Registration

SECTION 1. Experimental and cell physiology

13:00-13:15   Welcome and introduction
Professor Edgaras Stankevičius, President of Lithuanian Physiological Society

13:15-13:35   Mechanical Properties of the Lumbar Muscles in Male Subjects Regarded to G-Vector
A. Veraksitš, G. Gavronski, K. Oha, D. Blottner, E. Vasar, R. Viir
Estonia, Germany, Finland

I. Antanavičiūtė, R. Sveikatienė, A. Marandykina, L. Rimkutė, K. Rysevaitė, V. Liutkevičius, V. Ulozas, V. A. Skeberdis
Lithuania

13:55-14:15   New Approaches in Breast Cancer Screening: Assessment of Thermography – Non-Invasive, Non-Contact, Painless Method
E. Svitojūtė, A. Petrušaitė, V. Veikutis
Lithuania

SECTION 2. Cardiovascular Physiology and Pharmacology

14:20-14:40   Alterations of Systemic and Arterial Hemodynamic Parameters during Lower Limb Occlusive Reactive Hyperemia
Z. Marcinkevics, Z. Lukstina, J. I. Aivars
Latvia

14:40-15:00   Analysis of Carotid Intima-Media Thickness, Anthropometric Parameters and Plasma Lipids in Young Female with Different Body Fat Mass
L. Ozoliņa-Moll, A. Strode, K. Volčeka, Z. Āriņa, J. Aivars
Latvia

15:00-15:30   Poster Presentations

[Exper P-1] Na⁺/K⁺ ATPase Activity and Alpha1 and Beta1 Subunits Expression Are Changed In Temporal Lobe, Midbrain and In Dorsal Striatum in WFS1-Deficient Mice
Estonia

[Exper P-2] Applying of Infrared Thermography Method for Cow's Hooves Examination and Lameness Prevention
I. Pamparienė, J. Žymantienė, R. Želvytė, V. Oberauskas
Lithuania

[Exper P-3] Homogenous Lesions in the Striated Fibers of Dog Thigh Muscles Following Radiofrequency Ablation
G. Vaitiekaitis, A. Vitkus, A. Noreika, S. Kerzienė, D. Majienė, J. Rudzevičiūtė, Ž. Jokšienė, A. Gružienė
Lithuania

[Cardio P-1] Relationship of Myeloperoxidase to Adiponectin and High-Density Lipoprotein (HDL) In Healthy Cigarette Smokers
I. Mikelsone, A. Plinta, A. Jurka, P. Tretjakovs
Latvia

[Cardio P-2] Iliac Artery In-Stent Restenosis: Diagnosis and Treatment
Ž. Kavaliauskienė, R. Benetis, A. Antuševas, R. S. Kaupas
Lithuania

15:30-16:15 Coffee Break

SECTION 3. Neurophysiology

16:15-16:35 20 Hz Membrane Potential Oscillations Are Driven By Synaptic Inputs in Collision-Detecting Neurons in the Frog Optic Tectum
G. Svirskis, N. Svirskienė, G. Baranauskas
Lithuania

16:35-16:55 Rimonabant Attenuates Amphetamine Sensitisation in a CCK2 Receptor-Dependent Manner
K. Rünkorg
Estonia

SECTION 4. Exercise Physiology

16:55-17:15 Dynamics of Concatenation between Cardiovascular Indices during Graded Exercise Stress in Endurance or Sprint Cohorts
J. Poderys, E. Trinkūnas, R. Sakalauskas, V. Papievičienė
Lithuania

17:15-17:35 The Effect of Physical Activity and Body Composition on Health-Related Physical Fitness Parameters in Women Aged 20-49
I. Kaminska, A. Mihailova, A. Bernāne
Latvia
17:35-18:05  Poster Presentations

M. Illert
Germany

[Exerc P-1] Physiotherapy Exercises Impact of Basketball Players in the Vertical Jump Carried Out With a Hand Gesture
Agné Bieliūnaitė
Lithuania

[Exerc P-2] Walking Activity of Students and Its Association with Body Composition
M. Rumaka, R. Lagzdina, L. Blumfelds, L. Aberberga-Augskalne
Latvia

V. Žitlinskas, V. Poškaitis
Lithuania

[Exerc P-4] Psycho-Physiological Effect of Hatha Yoga in Healthy Subjects
E. Kasparavičiūtė, L. Šiupšinskas
Lithuania

[Exerc P-5] The Effect of Temperature on Arm Motor Control
M. Malinauskas, S. Sipavičienė, D. Mickevičienė, I. Klizienė
Lithuania

[Exerc P-6] Is That Possible to Restore External Rotation after Arthroscopic Surgery of Shoulder Injuries in the Overhead Athletes
R. Gudas, L. Šiupšinskas, V. Mauricienė
Lithuania

[Exerc P-7] Shoulder Injuries in the Young Overhead Athletes: Arthroscopic Surgery Outcomes and Rehabilitation Guidelines
R. Gudas, L. Šiupšinskas, V. Mauricienė
Lithuania

[Exerc P-8] Influence of Disability on the Physical Domain of the Quality of Life
L. Samsonienė, A. Juozulynas, L. Sverčiauskas
Lithuania

19:30  Dinner

Saturday, May 11

SECTION 5. Metabolism Physiology

10:00-10:20  Acute Valproic Acid Improves Glucose Tolerance in WFS1 Knockout Mice
Estonia
10:20-10:40 Valproic Acid Does Not Affect Decreased Insulin Secretion in WFS1-Deficient Pancreatic Islets
S. Köks, M. Ivask, A. Hugill, A. Terasmaa, M. Plaas, E. Vasar
Estonia, U.K.

SECTION 6. Basic and Clinical Pharmacology

10:45-11:05 Pharmacokinetics of Ibogaine and Noribogaine
A. Kubiliene, A. Svelkata, I. Sadauskienė, L. Ivanov
Lithuania

11:05-11:25 Study of the Pharmacological Properties of New Medicines from Domestic Raw Materials Based on Collagen
E. Satbayeva, M. Amirkulova, A. Nurtayeva
Kazakhstan

11:25-11:45 Comparative Analysis of Prescriptions to Elderly Patients with Arterial Hypertension in an Outpatient Setting Urban and Rural Areas
G. Pichkhadze, E. Satbayeva, E. Stankevičius
Kazakhstan

11:45-12:05 Pharmacogenetics of Drug Biotrasformation and Transporters System: Clinical Value
D. A. Sychev
Russia

12:05-12:25 Comparison of Differences between the Genders of Laboratory Animals Used For the Experimental Nephrotoxicity Model in Vivo Designed For Stem Cell Research
E. Svitójūtė, R. Mačiulaitis
Lithuania

12:25-13:30 Poster Presentations

[Metab P-1] The Renin Angiotensin System in the Healthy and Obese Human Jejunal Mucosa
M. Malinauskas, A. Casselbrant
Sweden

[Metab P-2] Nutritional Status and Physical Development of High-Performance Combat Athletes
M. Baranauskas, R. Stukas, L. Tubelis, E. Švedas, L. Samsonienė
Lithuania

[Metab P-3] Nutritional Habits of High-Performance Athletes in Lithuania
M. Baranauskas, R. Stukas, L. Tubelis, Edmundas Švedas, L. Samsonienė
Lithuania

[Metab P-4] Ultrasonographic Measurements of Mesenterium Fat Thickness, a Simple Method for Describing of Intraabdominal Obesity in Young Women
K. Volčeka, E. Švampe, L. Ozoliņa-Moll
Latvia

[Pharm P-1] Effect of Gene Polymorphism IL-4Ra to Development of Allergic Reactions of Beta-Lactam Antibiotics in Russian Patients
I. E. Groznova, D. A. Sychev  
Russia

[Pharm P-2] A Prospective Biomedical Study Assessing Heparins Safety Monitoring Tends at the In-Patient Setting in Lithuania  
G. Pranckevičienė, E. Kaduševičius  
Lithuania

[Pharm P-3] Lipid-Lowering Therapy Based On Pharmacy Practice. Utilization of Lipid-Lowering Drugs in Lithuania  
S. Macijauskaitė, E. Kaduševičius  
Lithuania

[Pharm P-4] Utilization of Macrolides in Lithuania  
M. Vežbavičius, E. Kaduševičius, L. Kupčinskas  
Lithuania

[Pharm P-5] Polymorphisms of CYP2C9, VKORC1 and CYP4F2 in Russian Patients with High Thrombotic Risk Prescribed Warfarin and In Other Ethnic Groups  
D. Ivashchenko, I. Rusin, D. Sychev, A. Grachev T. Beloshickaya  
Russia

[Pharm P-6] Polymorphic DNA Marker G3673A of Gene VKORC1 and the Maintenance Dose of Warfarin in Conditions of Polypharmacy for Patients with Mechanical Cardiac Valves in Early Postoperative Period  
S. M. Arslanbekova, D. A. Sychev, R. E. Kazakov, E. V. Kuznetsova, E. Z. Golukhova  
Russia

[Pharm P-7] Prevalence of Cytochrome P-450 2C19 Gene Polymorphisms in Russian Patients with Acid-Related Diseases  
N. P. Pilipenko, D. A. Sychev, A. V. Grachev, T. A. Beloshitskaya  
Russia

[Pharm P-8] Nicotine Dependence: A Meta-Analysis of Smoking Cessation Pharmacotherapy  
A. Putnienė, G. Pranckevičienė, A. Jakaitienė, E. Kaduševičius  
Lithuania

[Pharm P-9] Chebyshev’s Inequality Method in Use of Evaluating Cyclosporine Therapeutic Window after Kidney Transplantation  
A. Noreikaitė, F. Saint-Marcoux, E. Kaduševičius, E. Stankevičius  
Lithuania, France

[Pharm P-10] Influence of Some Herbs Extracts on Microorganisms  
G. Šimonienė-Kazlauskienė, V. Jurkštienė, V. Tautkevičienė, A. Pavilonis  
Lithuania

[Educ P-1] Cognitive Function Assessment in Medical College Students  
E. Valevica, L. Alondere, D. Voita, A. Bukulite, B. Vovere, J. Lure-Bogdanova, I. Biteniece  
Latvia

13:30-13:45 Coffee Break
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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>13:45-14:05</td>
<td><strong>OLAT, the E-Learning Platform of Kiel University and Its Use in Physiology</strong></td>
<td>H. Wiese</td>
<td>Germany</td>
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<td>14:05-14:25</td>
<td><strong>Trends in Teaching of Human Physiology in the Faculty of Medicine,</strong></td>
<td>A. Lang, J. Kivastik</td>
<td>Estonia</td>
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<td>14:25-14:45</td>
<td><strong>Teaching Respiratory Mechanics and Lung Function Measurements to Future Medical Doctors</strong></td>
<td>J. Kivastik, J. Talts</td>
<td>Estonia</td>
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<td>14:45-15:05</td>
<td><strong>Physiology - The Science of the Naturally Self-Converged Nano-Bio-Info-Cogno-Eco Technologies</strong></td>
<td>D. Kirvelis</td>
<td>Lithuania</td>
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<td>15:05-15:15</td>
<td><strong>Closing Remarks</strong></td>
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<td>15:30-</td>
<td><strong>Lunch and Discussions</strong></td>
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