

1st MEETING OF THE BALTIC PHYSIOLOGICAL SOCIETIES

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

13:35-13:55 Membranous Tunneling Nanotubes – Future Anticancer Drug Targets?

I. Antanavičiūtė, R. Sveikatiėnė, 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 Post-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

S. Sütt, A. Altpere, R. Reimets, T. Visnapuu, M. Loomets, K. Zilmer, R. Mahlapuu, C. Kairane, M. Zilmer, S. Kõks, E. Vasar

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. Mikelsons, A. Plinta, A. Jurka, P. Tretjakovs

Latvia

[Cardio P-2] Iliac Artery In-Stent Restenosis: Diagnosis and Treatment

Ž. Kavaliauskienė, R. Benetis, A. Antuševs, 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. Papievienė

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

- [Neuro P-1] Mono- and Polysynaptic Relay of the Corticospinal System to Forearm Motoneurons
– A Survey
M. Illert
Germany
- [Exerc P-1] Physiotherapy Exercises Impact of Basketball Players in the Vertical Jump Carried Out With a Hand Gesture
Agnė 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
- [Exerc P-3] Evaluating the Use of Visual Feedback Assisted Exercises in Lumbo–Pelvic Movement Control Training
V. Žitlinskas, V.s 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

Saturday, May 11

SECTION 5. Metabolism Physiology

10:00-10:20 Acute Valproic Acid Improves Glucose Tolerance in WFS1 Knockout Mice
A. Terasmaa, U. Soomets, J. Oflijan, M. Punapart, M. Hansen, V. Matto, K. Erlich, A. Must, S. Kõks, E. Vasar
Estonia

10:20-10:40 Valproic Acid Does Not Affect Decreased Insulin Secretion in WFS1-Deficient Pancreatic Islets
S. Kõks, 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. Kubilienė, A. Sveikata, 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 Effect of Gene Polymorphism IL-4R α to Development of Allergic Reactions of Beta-Lactam Antibiotics in Russian Patients
I. E. Groznova, 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. Svitojūtė, R. Mačiulaitis
Lithuania

[Metabo P-1] The Renin Angiotensin System in the Healthy and Obese Human Jejunal Mucosa

M. Malinauskas, A. Casselbrant

Sweden

[Metabo P-2] Nutritional Status and Physical Development of High-Performance Combat Athletes

M. Baranauskas, R. Stukas, L. Tubelis, E. Švedas, L. Samsonienė

Lithuania

[Metabo P-3] Nutritional Habits of High-Performance Athletes in Lithuania

M. Baranauskas, R. Stukas, L. Tubelis, Edmundas Švedas, L. Samsonienė

Lithuania

[Metabo 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

[Pharma P-1] A Prospective Biomedical Study Assessing Heparins Safety Monitoring Trends at the In-Patient Setting in Lithuania

G. Prancevičienė, E. Kaduševičius

Lithuania

[Pharma P-2] Lipid-Lowering Therapy Based On Pharmacy Practice. Utilization of Lipid-Lowering Drugs in Lithuania

S. Macijauskaitė, E. Kaduševičius

Lithuania

[Pharma P-3] Utilization of Macrolides in Lithuania

M. Vežbavičius, E. Kaduševičius, L. Kupčinskas

Lithuania

[Pharma P-4] 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

[Pharma P-5] 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

[Pharma P-6]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

[Pharma P-7]Nicotine Dependence: A Meta-Analysis of Smoking Cessation Pharmacotherapy
A. Putnienė, G. Pranckevičienė, A. Jakaitienė, E. Kaduševičius
Lithuania

[Pharma P-8]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

[Pharma P-9]Influence of Some Herbs Extracts on Microorganisms
G. Šimonienė-Kazlauskienė, V. Jurkštienė, V. Tautkevičienė, A. Pavilonis
Lithuania

13:30-13:45 **Coffee Break**

SECTION 7. Education in Physiology

13:45- 14:05 OLAT, the E-Learning Platform of Kiel University and Its Use in Physiology
H. Wiese
Germany

14:05-14:25 Trends in Teaching of Human Physiology in the Faculty of Medicine, University of Tartu
A. Lang, J. Kivastik
Estonia

14:25-14:45 Teaching Respiratory Mechanics and Lung Function Measurements to Future Medical Doctors
J. Kivastik, J. Talts
Estonia

14:45-15:05 Physiology - The Science of the Naturally Self-Converged Nano-Bio-Info-Cogno-Eco Technologies
D. Kirvelis
Lithuania

15:05-15:15 **Closing Remarks**

15:30- **Lunch and Discussion**
