



Agenda of the Bridges in Life Sciences 10th Annual Conference, Wroclaw, Poland

Venue: HOTEL VEGA***, ul. Grabiszyńska 251, 53-234 Wrocław, Poland, Tel: +48 71 339 03 67, Fax: +48 71 339 03 68, www.hotelvega.pl

April 16, 2015 (Thursday)

15:00 – 19:00 Arrival and Registration at the Front Desk

20:00 – 20:30 Opening Ceremony

Welcome

Cezary Madryas, Vice-Rector for Development, Wrocław University of Technology, Wrocław, Poland

Edward Prunchunas, Senior Vice President for Finance and Chief Financial Officer, Cedars-Sinai Medical Center, Los Angeles, CA, USA

Chairman of the Supervisory Board of the RECOOP HST Association

20:30 – 23:00 Welcome Buffet Dinner



Wrocław University of Technology
Centre for Advanced Materials and Nanotechnology



**April 17, 2015 (Friday)
Conference**

- 8:30 – 8:40 **Conference Guide**
Sandor G. Vari, Director, International Research and Innovation Management Program, Cedars-Sinai Medical Center, Los Angeles, CA, USA & President of RECOOP HST Association
- 8:40 – 9:10 **Keynote speaker: Road from Budapest to Wroclaw**
Calvin J. Hobel, Miriam Jacobs Chair in Maternal-Fetal Medicine, Department of Obstetrics and Gynecology, Cedars-Sinai Medical Center, Los Angeles, CA, USA
- 9:10 – 10:15 **Poster Session #1** **Parallel Poster Sessions**

Lifestyle, Metabolic Disorders and Stress

Session Chairs:

Eva Szoko, Department of Pharmacodynamics, Faculty of Pharmacy, Semmelweis University Budapest, Hungary

Katarina Sebekova, Institute of Molecular BioMedicine, Medical Faculty, Comenius University, Bratislava, Slovak Republic

Natalija Filipović, Laboratory for Neurocardiology, Department of Anatomy, Histology and Embryology, School of Medicine, University of Split, Croatia

Presentations: *5 minutes presentation and 5 minutes discussion*

Modulation of cholesterol content of brain nerve terminals by cyclodextrin-coated maghemite nanoparticles

Arsenii Borysov, Department Neurochemistry, Palladin Institute of Biochemistry, National Academy of Sciences of Ukraine, Kiev, Ukraine

Mother's High Fat Diet Has Influence on Metabolic Characteristics and Ovarian Morphology in Rat Offspring

Anđela Marić

Department of Physical Medicine and Rehabilitation, University Hospital Centre Osijek and Department of Anatomy and Neuroscience, Faculty of Medicine Osijek, Josip Juraj Strossmayer University of Osijek, Croatia

How does maternal smoking influence the early neurobehavioral development of rat pups?

Barbara Mammel, Department of Obstetrics and Gynaecology, Medical School, University of Pécs, Pécs, Hungary

Chemerin blood levels are associated with cross-sectional areas of different compartments of adipose tissue at L5 level

Zvonimir Vrselja, Assistant - Department of Anatomy and Neuroscience, School of Medicine Josip Juraj Strossmayer University of Osijek, Croatia

Assessment of endothelial dysfunction in patients with generalized periodontitis

Yuriy Riznyk, Department of Therapeutic Dentistry, Danylo Halytsky Lviv National Medical University, Lviv, Ukraine

Alteration of ObR expression in the Sprague-Dawley rat brain as a consequence of acute and chronic stress

Vedrana Ivic, Laboratory for Neurobiology, Faculty of Medicine, Josip Juraj Strossmayer University of Osijek, Croatia

Cardiovascular Diseases

Session Chairs:

Attila Borbely, Institute of Cardiology, Medical and Health Science Center, University of Debrecen, Hungary

Ivancica Pavlicevic, Department of Family Medicine, University of Split School of Medicine, Croatia

Jan Pitha, Laboratory for Atherosclerosis Research, Centre for Experimental Research, Institute for Clinical and Experimental Medicine (IKEM), Prague, Czech Republic

Presentations: *5 minutes presentation and 5 minutes discussion*

Age- and titin isoform -dependence of oxidative insults on passive force in perinatal rat left ventricular

Beata Bodi, Clinical Physiology Department, Institute of Cardiology, University of Debrecen, Hungary

Arginase-NO-synthase system in patients with ischemic heart disease of different age groups

Anna Besedina, Department of Family Medicine, Danylo Halytsky Lviv National Medical University, Lviv, Ukraine

Acute TLR2 activation after stroke is modulated by transplanted mesenchymal stem cells

Dora Polšek, Croatian Institute for Brain Research, University of Zagreb School of Medicine, Croatia

Platelets as regulators of plasminogen activation system

Yana Roka-Moiia, Department Enzyme Chemistry and Biochemistry, Palladin Institute of Biochemistry, National Academy of Sciences of Ukraine, Kiev, Ukraine

Hyperbaric oxygenation affects the mechanisms of acetylcholine-induced relaxation in healthy and diabetic rats

Martina Mihalj, Department of Physiology and Immunology, School of Medicine, Josip Juraj Strossmayer University of Osijek, Croatia

10:15 – 10:45 Coffee break

10:45 – 13:00 **Plenary Session #1**

Neurodegenerative and Metabolic Diseases

Session Chairs

Konrad Talbot, Department of Neurosurgery, Cedars-Sinai Medical Center, Los Angeles, CA, USA

Marija Heffer, Department of Medical Biology, School of Medicine, Josip Juraj Strossmayer University of Osijek, Croatia

Tatiana Borisova, Department of Neurochemistry, Palladin Institute of Biochemistry NAS of Ukraine, Kiev, Ukraine

Keynote speaker: (20 minutes)

A proposal to study brain insulin resistance driven by the insulin resistance syndrome as a causal factor in neurodegenerative diseases (NDGDs)

Konrad Talbot, Department of Neurosurgery, Cedars-Sinai Medical Center, Los Angeles, CA, USA

Speakers: 12 minutes presentation – 3 minutes discussion

Changes of VEGF and NPY expression in rat trigeminal ganglion induced by diabetes

Natalija Filipović, Head of Laboratory for Neurocardiology, Department of Anatomy, Histology and Embryology, School of Medicine, University of Split, Croatia

The quantitative assessment of corneal nerve structure in an animal model of type 2 diabetes mellitus

Fanni Palya, Department of Ophthalmology, Faculty of Medicine, Semmelweis University, Budapest

A New Model of Stroke in Type-1 Diabetic Rats

Mihael Mišir, Neurology Clinic, Osijek Clinical Hospital Centre, Faculty of Medicine Josip Juraj Strossmayer, Osijek, Croatia

Prenatal dietary load of Maillard reaction products combined with postnatal Coca-cola drinking affects metabolic status of female Wistar rats

Radana Gurecká, Institute of Molecular BioMedicine, Faculty of Medicine, Comenius University, Slovak Republic

Let's check this one more time.. decision change frequency during recognition as a predictor of working memory capacity

Aneta Brzezicka, Interdisciplinary Center for Applied Cognitive Studies, Warsaw School of Social Sciences and Humanities, Warsaw, Poland

Nociceptin and nocistatin in the myometrium: relaxing effect of two neuropeptides

Robert Gaspar, Department of Pharmacodynamics and Biopharmacy, Faculty of Pharmacy University of Szeged, Hungary

GABA_B receptor positive allosteric modulator rac-BHFF: Influence on the extracellular level, uptake/release of [³H]GABA, Em and synaptic vesicle acidification in cortical and hippocampal presynaptic nerve terminals

Tatiana Borisova, Department of Neurochemistry, Palladin Institute of Biochemistry NAS of Ukraine, Kiev, Ukraine

13:00 – 14:00 **Buffett Lunch**

14:00 – 16:00 **Plenary Session # 2**

Cardiovascular Diseases

Session Chairs:

Jan Pitha, Laboratory for Atherosclerosis Research, Centre for Experimental Research, Institute for Clinical and Experimental Medicine (IKEM), Prague, Czech Republic

Katarina Sebekova, Institute of Molecular BioMedicine, Medical Faculty, Comenius University, Bratislava, Slovak Republic

Robert Gaspar, Department of Pharmacodynamics and Biopharmacy, Faculty of Pharmacy University of Szeged, Hungary

Keynote speaker: (20 minutes)

Shared decision making in life style and nutrition for intervention in women with risk factors in cardiovascular health

Ivancica Pavlicevic and Mario Malički, Department of Family Medicine, University of Split School of Medicine, Split, Croatia

Speakers: *12 minutes presentation – 3 minutes discussion*

Estimation of central obesity in Slovak adults: comparison of waist circumference vs. waist-to-height ratio

Melinda Csongova, Institute of Molecular BioMedicine, Faculty of Medicine, Comenius University, Bratislava, Slovak Republic

Gender differences in morphological and functional characterization of athlete's heart in a rat model

Dalma Kellermayer, Heart and Vascular Center, Faculty of Medicine, Semmelweis University, Budapest, Hungary

Macrophage phenotype in the adipose tissue of postmenopausal women

Anna Králová, Laboratory for Atherosclerosis Research, Centre for Experimental Research, Institute for Clinical and Experimental Medicine (IKEM), Prague, Czech Republic

Characterization of right ventricular function using 3D and speckle tracking echocardiography in patients after heart transplantation

Marton Tokodi, Cardiovascular Imaging Research Group, Heart and Vascular Center, Faculty of Medicine, Semmelweis University, Budapest, Hungary

Sex-specific chronic stress response at the level of adrenal gland modified sexual hormones and leptin receptors

Marta Balog, Department of Medical Biology, J. J. Strossmayer University of Osijek, Faculty of Medicine.

Effect of resveratrol on caspase 3 activation in primary mouse fibroblasts

Zsófia Ulakcsai, Department of Pharmacodynamics, Faculty of Pharmacy, Semmelweis University, Budapest, Hungary

Relationship of semicarbazide sensitive amine oxidase/vascular adhesion protein-1 and insulin resistance in lean vs centrally obese male students

Ivana Koborová, Institute of Molecular BioMedicine, Faculty of Medicine, Comenius University, Bratislava, Slovak Republic

16:00 – 16:30 **Coffee Break**

16:30 – 18:30 **Poster Session #2**

Nanomedicine and Medical Imaging

Session Chairs:

Srećko Gajović, Croatian Institute for Brain Research, University of Zagreb School of Medicine, Croatia

Artur Podhorodecki, Department of Experimental Physics, Wrocław University of Technology, Wrocław, Poland

Tatiana Borisova, Department of Neurochemistry, Palladin Institute of Biochemistry NAS of Ukraine, Kiev, Ukraine

Presentations: *5 minutes presentation and 5 minutes discussion*

Assessment of Immunotoxic effects of TiO₂ Nanoparticles

Silvia Ilavska, Slovak Medical University, Faculty of Medicine, Department of immunology and immunotoxicology, Bratislava, Slovak Republic

Cytotoxicity of maghemite core/polyaniline shell nanoparticles

Beata Zasonska, Department of Polymer Particles, Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Prague, Czech Republic

Improvement of biocompatibility in laboratory rats of synthetic 4-thiazolidinone derivatives by complexing these drugs with polymeric nanocarrier

Lesya Kobylinska, Department Biochemistry, Danylo Halytsky Lviv National Medical University, Lviv, Ukraine

Potentials of C60 Fullerene as a biocompatible platform for drug delivery: in vitro and in vivo studies

Rostyslav Panchuk, Department of Regulation of Cell Proliferation and Apoptosis, Institute of Cell Biology, National Academy of Sciences of Ukraine, Lviv, Ukraine

Ligand attraction with PEG-monooleate as efficient method of inorganic nanocrystals transfer to water:

Daria Kociolek, Department of Experimental Physics, Wroclaw University of Technology, Wroclaw, Poland

Application of novel radiopaque ZrO₂-Gd₂O₃ nanocomposite functionalized with hyaluronic acid for repair of bone defects in experimental animals

Rostyslav Stoika, Department of Regulation of Cell Proliferation and Apoptosis, Institute of Cell Biology, National Academy of Sciences of Ukraine, Lviv, Ukraine

18:30 – 19:30 **RECOOP HST Association General Assembly**

Cedars-Sinai Medical Center, Los Angeles, USA

Edward Prunchunas, CSMC and Sandor G. Vari, CSMC - RECOOP

Josip Juraj Strossmayer University of Osijek, School of Medicine, Osijek, Croatia

Authorized Representative

Josip Juraj Strossmayer University of Osijek, Department of Biology, Osijek, Croatia

Elizabeta Has-Schön

University of Split School of Medicine, Department of Family Medicine, Split, Croatia

Ivančica Pavličević

IKEM - Institute for Clinical and Experimental Medicine, Prague, Czech Republic

Jan Pitha

Faculty of Military Health Sciences, University of Defense, Hradec Kralove, Czech Republic

Pavel Bostik

University of Debrecen, Hungary

Attila Borbely

University of Pecs, Hungary

Tibor Ertl

University of Szeged, Hungary

Gyorgy Falkay

Wroclaw University of Technology, Institute of Physics, Wroclaw, Poland
Artur Podhorodecki

Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
Iuliana Ceausu

Slovak Medical University, Bratislava, Slovak Republic
Shubhada Bopegamage

Palladin Institute of Biochemistry, National Academy of Sciences of Ukraine, Kiev, Ukraine
Tatiana Borisova

Institute of Cell Biology, National Academy of Sciences of Ukraine, Lviv, Ukraine
Rostyslav Stoika

Danylo Halytsky Lviv National Medical University, Lviv, Ukraine
Roman Lesyk

Observer:

Srećko Gajović, Editor-in-Chief, Croatian Medical Journal, Schools of Medicine of Universities of Osijek, Rijeka, Spit, and Zagreb, Croatia

18:30 – 19:30 **Breakaway Sessions**

Neurodegenerative Diseases

Konrad Talbot, Department of Neurosurgery, Cedars-Sinai Medical Center, Los Angeles, CA, USA

Eva Szoko, Department of Pharmacodynamics, Faculty of Pharmacy, Semmelweis University Budapest, Hungary

Imre Fehervari, Department of Transplantation and Surgery, Semmelweis University, Budapest, Hungary

Linn Defensor, Office of Research Compliance and Quality Improvement Cedars-Sinai Medical Center & RECOOP HST Association Clinical Research Site Management Network (CRSMN) Leader

Katarina Sebekova, Institute of Molecular BioMedicine, Medical Faculty, Comenius University, Bratislava, Slovak Republic

Robert Gaspar, Department of Pharmacodynamics and Biopharmacy, Faculty of Pharmacy University of Szeged, Hungary

Tamas Tabi, Department of Pharmacodynamics, Faculty of Pharmacy, Semmelweis University, Budapest, Hungary

Natalija Filipović, Head of Laboratory for Neurocardiology, Department of Anatomy, Histology and Embryology, School of Medicine, University of Split, Croatia

Oleksandr Korchynskyy, Department of Regulation of Cell Proliferation and Apoptosis, Institute of Cell Biology, National Academy of Sciences of Ukraine, Lviv, Ukraine

Cardiovascular Diseases, Life Style and Stress

Ivancica Pavlicevic and Mario Malički, Department of Family Medicine, University of Split School of Medicine, Split, Croatia

Marta Balog, Department of Medical Biology, J. J. Strossmayer University of Osijek, Faculty of Medicine.

Anna Besedina, Department of Family Medicine, Danylo Halytsky Lviv National Medical University, Lviv, Ukraine

Anna Králová, Laboratory for Atherosclerosis Research, Centre for Experimental Research, Institute for Clinical and Experimental Medicine (IKEM), Prague, Czech Republic

Nanobiotechnology, Imaging and Oncology

Denys Kolybo, Deputy Director, Palladin Institute of Biochemistry, National Academy of Sciences of Ukraine, Kiev, Ukraine

Timea Tokes, 1st Department of Internal Medicine, Oncology Division, Medical Faculty, University of Semmelweis, Budapest, Hungary

Wafa Tawackoli, Research Imaging Core and Micro Molecular Imaging, Biomedical Sciences Cedars – Sinai Medical Center, Los Angeles, CA, USA

Alena Gabelova, Cancer Research Institute, Slovak Academy of Sciences, Bratislava, Slovakia

Rostyslav Bilyy, Department of Regulation of Cell Proliferation and Apoptosis, Institute of Cell Biology, National Academy of Sciences of Ukraine, Lviv, Ukraine

Rostyslav Panchuk, Department of Regulation of Cell Proliferation and Apoptosis, Institute of Cell Biology, National Academy of Sciences of Ukraine, Lviv, Ukraine

Child Health and Infectious Diseases

William J. Britt, Department of Pediatrics, University of Alabama, Birmingham, Birmingham, AL, USA

Chander P. Arora, Research Project Advisor, International Research & Innovation Management Program, Cedars-Sinai Medical Center & Scientific Manager of the RECOOP HST Association

Danylo Kaminsky, Department of Pharmaceutical, Organic and Bioorganic Chemistry, Danylo Halytsky Lviv National Medical University, Lviv, Ukraine

Maria Borsanyi, Enterovirus Laboratory, Medical Faculty, Slovak Medical University, Bratislava, Slovak Republic

Barbara Mammel, Department of Obstetrics and Gynaecology, Medical School, University of Pécs, Pécs, Hungary

Cristian Poalelungi, Obstetrics-Gynecology Department, Hospital "Dr.I.Cantacuzino", "Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania

19:30 – 22:00 **Buffet Dinner**

**April 18, 2015 (Saturday)
Conference**

- 8:30 – 8:45 **RECOOP Leadership Message**
Sandor G. Vari, Director, International Research and Innovation Management Program, Cedars-Sinai Medical Center, Los Angeles, CA, USA & President of RECOOP HST Association
- 8:45 – 9:00 **Croatian Medical Journal - RECOOP**
Srećko Gajović, Editor-in-Chief, Croatian Medical Journal, Schools of Medicine of Universities of Osijek, Rijeka, Spit, and Zagreb, Croatia
- 9:00 -10:45 **Poster Session #3**

Infection and Immunology

Session Chairs:

Shubhada Bopegamage, Head, Entervirus Laboratory, Medical Faculty, Slovak Medical University, Bratislava, Slovak Republic

Rostyslav Bilyy, Department of Regulation of Cell Proliferation and Apoptosis, Institute of Cell Biology, National Academy of Sciences of Ukraine, Lviv, Ukraine

Pavel Bostik, Associate Dean for Research, Center for Advanced Studies, Faculty of Military Health Sciences, University of Defence, Hradec Kralove, Czech Republic

Presentations: *5 minutes presentation and 5 minutes discussion*

Cervical microbiota in women with preterm prelabor rupture of membranes

Tomas Bestvina, Department of Obstetrics and Gynecology, Charles University in Prague, Faculty of Medicine Hradec Kralove, Czech Republic

Effect of DSS on Bacterial Growth in Gastrointestinal Tract

Jana Hlinková, Institute of Molecular BioMedicine, Medical Faculty, Comenius University, Bratislava, Slovakia

***Ureaplasma* species and *Mycoplasma hominis* in cervical fluid of pregnancies complicated by preterm prelabor rupture of membranes**

Miroslav Gregor, Department of Obstetrics and Gynecology, Charles University in Prague, Faculty of Medicine Hradec Kralove, Czech Republic

Interaction of Recombinant Diphtheria Toxin Molecule Fragments with Resistant to Toxin Cells

Denys Kolybo, Deputy Director, Palladin Institute of Biochemistry, National Academy of Sciences of Ukraine, Kiev, Ukraine

Examination of antibacterial effect of neutrophilic granulocytes derived microvesicles

Viktoria Szeifert, Department of Physiology, Faculty of Pharmacy, Semmelweis University, Budapest, Hungary

10:45 – 11:00 Coffee break

11:00 – 13:00 **Plenary Session #3**

Molecular Biology, Infectious Diseases and Immunology

Session Chairs:

Wafa Tawackoli, Research Imaging Core and Micro Molecular Imaging, Biomedical Sciences Cedars – Sinai Medical Center, Los Angeles, CA, USA

William J. Britt, Department of Pediatrics, University of Alabama, Birmingham, Birmingham, AL, USA

Shubhada Bopegamage, Head, Entervirus Laboratory, Medical Faculty, Slovak Medical University, Bratislava, Slovak Republic

Keynote Speaker (20 minutes)

Translation of Stem Cell Therapies for Skeletal Disorders

Wafa Tawackoli, Research Imaging Core and Micro Molecular Imaging, Biomedical Sciences Cedars – Sinai Medical Center, Los Angeles, CA, USA

Speakers: 12 minutes presentation – 3 minutes discussion

Study of immunoglobulin IgG glycosylation alteration in systemic and organ-specific autoimmune disorders

Iryna Magorivska, Department of Internal Medicine 3, University Hospital Erlangen, Institute of Immunology and Rheumatology, Germany and Institute of Cell Biology, National Academy of Sciences of Ukraine, Lviv, Ukraine

Importance of dosage and immunization schedule on the adjuvancity of poly!(lactide-co-glycolide) particles as antigen carriers for immunization *per os*

Tetyana Chudina, Department of molecular immunology, Palladin Institute of Biochemistry, National Academy of Sciences of Ukraine, Kiev, Ukraine

Thiazolidinone-based design of new antitrypanosomal agents

Danylo Kaminsky, Department of Pharmaceutical, Organic and Bioorganic Chemistry, Danylo Halytsky Lviv National Medical University, Lviv, Ukraine

Characterization of the effect of D- and L-limonene on pregnant rat myometrium *in vitro*

Judit Hajagos-Tóth, Department of Pharmacodynamics and Biopharmacy, Faculty of Pharmacy, University of Szeged, Hungary

Experimental oral and intraperitoneal infection of Swiss albino mice with two coxsackievirus strains

Shubhada Bopegamage, Head, Entervirus Laboratory, Medical Faculty, Slovak Medical University, Bratislava, Slovak Republic

13:00 – 14:00 **Buffet Lunch**

14:00 – 14:30 **Overview of RECOOP Networks and Projects**

Sandor G. Vari, Director, International Research and Innovation Management Program, Cedars-Sinai Medical Center, Los Angeles, CA, USA & President of RECOOP HST Association

14:30 – 16:00 **Plenary Session #4**

Nanomedicine, Medical Imaging and Oncology

Session Chairs:

Rostyslav Stoika, Department of Regulation of Cell Proliferation and Apoptosis, Institute of Cell Biology, National Academy of Sciences of Ukraine, Lviv, Ukraine

Alena Gabelova, Cancer Research Institute, Slovak Academy of Sciences, Bratislava, Slovakia

Srećko Gajović, Croatian Institute for Brain Research, University of Zagreb School of Medicine, Croatia

Keynote Speaker (20 minutes)

NanoBioTech activity at Institute of Cell Biology, NAS of Ukraine: Achievements in 2014, existing problems, and perspectives within RECOOP-HST Network-

Rostyslav Stoika, Department of Regulation of Cell Proliferation and Apoptosis, Institute of Cell Biology, National Academy of Sciences of Ukraine, Lviv, Ukraine

Speakers: 12 minutes presentation – 3 minutes discussion

Bioluminescent imaging of the mouse brain molecular response after stroke

Srećko Gajović, Croatian Institute for Brain Research, University of Zagreb School of Medicine, Croatia

Response Evaluation after Primary Systemic Therapy of Her2 Positive Breast Cancer – an Observational Cross-Sectional Study

Timea Tokes, 1st Department of Internal Medicine, Oncology Division, Medical Faculty, University of Semmelweis, Budapest, Hungary

Pyrazoline-thiazolidinone hybrids in the design of new anticancer agents

Roman Lesyk, Department of Pharmaceutical, Organic and Bioorganic Chemistry, Danylo Halytsky Lviv National Medical University, Lviv, Ukraine

The surface modified magnetic iron oxide nanoparticles; interactions of nanoparticles with cells *in vitro*

Alena Gabelova, Cancer Research Institute, Slovak Academy of Sciences, Bratislava, Slovakia

16:00 – 16:30 Coffee Break

Molecular and Cell Biology

Session Chairs:

Gyorgy Falkay, Department of Pharmacodynamics and Biopharmacy, Faculty of Pharmacy, University of Szeged, Hungary

Martina Mihalj, Department of Physiology and Immunology, School of Medicine, Josip Juraj Strossmayer University of Osijek, Croatia

Tamas Tabi, Department of Pharmacodynamics, Faculty of Pharmacy, Semmelweis University, Budapest, Hungary

Presentations: *5 minutes presentation and 5 minutes discussion*

Inhibitory κ B α is a Direct Bone Morphogenetic Proteins Target Gene and an Essential Mediator of Anti-catabolic and Joint Regenerating Effects of BMPs

Oleksandr Korchynskyy, Department of Regulation of Cell Proliferation and Apoptosis, Institute of Cell Biology, National Academy of Sciences of Ukraine, Lviv, Ukraine

Plasma membrane Ca²⁺-pump new inhibitor and supressor of myometrium spontaneous relaxation

Iuliia Mazur, Department of Muscle Biochemistry, Palladin Institute of Biochemistry National Academy of Sciences of Ukraine, Kiev, Ukraine

Histopathological Analysis of Subchronic Toxicity on Genetically Modified Maize Pioneer and Monsanto Mon810

Julia Ondrejko, Department of Toxicology, Slovak Medical University, Bratislava, Slovakia

Effect of perinatal hypoxia on GABA transporter functioning in cortical, hippocampal and thalamic nerve terminals of the developing rat brain

Nataliia Pozdniakova, Department of Neurochemistry, Palladin Institute of Biochemistry, National Academy of Sciences of Ukraine, Kiev, Ukraine

Analysis of NMDA modulators with CE-LIF in different biological samples

Istvan Vincze, Department of Pharmacodynamics, Faculty of Pharmacy, Semmelweis University, Budapest, Hungary

Inhibitory effect of original synthesized isoquinoline derivatives for the rat uterus contraction

Dora Domokos, Department of Pharmacodynamics and Biopharmacy Faculty of Pharmacy, University of Szeged, Hungary

Translational Life Sciences

Session Chairs:

Eva Szoko, Department of Pharmacodynamics, Faculty of Pharmacy, Semmelweis University, Budapest, Hungary

Chander P. Arora, Research Project Advisor, International Research & Innovation Management Program, Cedars-Sinai Medical Center & Scientific Manager of the RECOOP HST Association

Iuliana Ceausu, Department of Obstetrics and Gynecology of “Dr. I. Cantacuzino” Hospital, “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania

Presentations: *5 minutes presentation and 5 minutes discussion*

Alterations of peritubular capillaries in experimental renal fibrosis

Peter Boor, Institute of Molecular Biomedicine, Bratislava, Slovakia; Bratislava & Institute of Pathology & Department of Nephrology, University Clinic of RWTH Aachen, Germany

Stress monitoring on gastrointestinal smooth muscle by electromyography

Kálmán Szűcs, Department of Pharmacodynamics and Biopharmacy, Faculty of Pharmacy University of Szeged, Hungary

Risk Assessment of the Genetically Modified Maize Pioneer Mon810

Radka Aláčová, Department of Toxicology, Slovak Medical University, Bratislava, Slovakia

Animal model for the better understanding of bronchopulmonary dysplasia

Tolnai Marina, Department of Obstetrics and Gynecology, Medical School, University of Pécs, Hungary

Changes in superior cervical ganglion of adult rats induced by gonadectomy

Natalija Filipović, Laboratory for Neurocardiology, Department of Anatomy, Histology and Embryology, School of Medicine, University of Split, Croatia

Clinical Research

Session Chairs:

Calvin J. Hobel, Miriam Jacobs Chair in Maternal-Fetal Medicine, Department of Obstetrics and Gynecology, Cedars-Sinai Medical Center, Los Angeles, CA, USA

Tibor Ertl, Department of Obstetrics and Gynecology, Vice Dean, Medical School, University of Pécs, Hungary

Imre Fehervari, Department of Transplantation and Surgery, Semmelweis University, Budapest, Hungary

Presentations: *5 minutes presentation and 5 minutes discussion*

Single-neuron novelty responses in the human substantia nigra during recognition memory
Jan Kaminski, Department of Neurosurgery, Cedars-Sinai Medical Center, Los Angeles, CA, USA

Evaluation of patient's opinion about herbal medicines and phytotherapy in Ukraine
Khrystyna I. Makukh, Department of Clinical pharmacy, Pharmacotherapy and Medical Standardization, Danylo Halytsky Lviv National Medical University, Lviv, Ukraine

Disturbance of regulatory mechanisms of spermatozoa in patients with infertility
Roman Fafula, Department of Biophysics, Danylo Halytsky Lviv National Medical University, Lviv, Ukraine

Computer modeling assistance in planning of endoscopical osteosynthesis of the mandibular condyle
Khrystyna Pohranychna, Department of Surgical Dentistry and Maxillofacial Surgery, Danylo Halytsky Lviv National Medical University, Lviv, Ukraine

Health Risk and Safety Assessments of Genetically Modified Food and Feed
Maria Bartusova, Department of Toxicology, Slovak Medical University, Bratislava, Slovak Republic

17:45 – 18:00 Closing Remarks

Edward Prunchunas, Senior Vice President for Finance and Chief Financial Officer, Cedars-Sinai Medical Center, Los Angeles, CA, USA

Sandor G. Vari, Director, International Research and Innovation Management Program, Cedars-Sinai Medical Center, Los Angeles, CA, USA & President of RECOOP HST Association

18:00 – Transportation to the Boat Tour with dinner

April 19 (Sunday) 2015 Departure

Oral presentation: 12 minutes presentation and 3 minutes discussion.

Poster session: 5 minutes presentation and 5 minutes discussion

Poster size: width 90 cm x height 120 cm.

The posters can be reviewed and discussed throughout the Conference. The posters have to be placed on the assigned Poster Stand on April 16 and shall be removed on April 18 after 18:00.

The 10th Bridges Conference partially sponsored by the International Visegrad Fund Standard Grant 21420033 “Fostering innovative life science research and competitive biotechnologies in the Visegrad Region”.