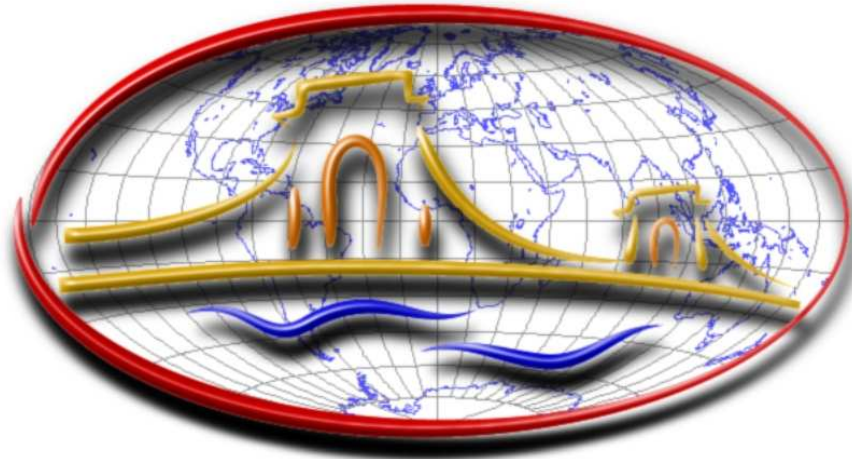


3rd TriNet Meeting in Prague on October 19-21, 2012

**Cedars - Sinai Medical Center -
RECOOP HST Association Research Center**



CRRC

Hotel ILF Prague

**Association for Regional Cooperation in the Fields of Health,
Science and Technology**



RECOOP Life Sciences Research (LFR) Platform

Sponsored by

Cedars-Sinai Medical Center, Los Angeles, California, USA

University of Debrecen, Hungary

The International Visegrad Fund Strategic Grant (31110035) “Future of Visegrad Four Families Depends on Healthy Women and Children”.

Venue:

Hotel ILF Prague, 140 00
Praha 4 – Michle, Budějovická 15/743, Czech Republic,
Reception: +420 261 092 333 Fax: +420 261 261 860
E-mail: hotel@hotel-ilf.cz; recepce@hotel-ilf.cz; URL: <http://www.hotel-ilf.cz>

Participating Organizations;

1. Cedars – Sinai Medical Center, Los Angeles, USA
2. School of Medicine University J. J. Strossmayer Osijek, Croatia
3. University of Split School of Medicine, Croatia
4. Faculty of Military Health Sciences, University of Defense, Hradec Kralove, Czech Republic
5. IKEM - Institute for Clinical and Experimental Medicine, Prague, Czech Republic
6. Institute of Macromolecular Chemistry Academy of Sciences, Czech Republic
7. University Hospital in Hradec Kralove, Czech Republic
8. Faculty of Pharmacy, University of Copenhagen, Denmark
9. University of Debrecen, Hungary
10. University of Pecs, Hungary
11. Semmelweis University Budapest, Hungary
12. University of Szeged, Hungary
13. Institute of Physics, Wroclaw University of Technology, Wroclaw, Poland
14. Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
15. Slovak Medical University, Bratislava, Slovakia
16. Comenius University in Bratislava, Slovakia
17. Institute of Molecular Biology and Genetics, National Academy of Science of Ukraine, Kyiv, Ukraine
18. Palladin Institute of Biochemistry, National Academy of Sciences of Ukraine, Kyiv, Ukraine
19. Institute of Cell Biology, National Academy of Sciences of Ukraine, Lviv, Ukraine
20. Danylo Halytsky Lviv National Medical University, Lviv, Ukraine

Goals:

Integrate research activities and construct joint research projects in the Mother and Child Health, the Women’s Health and Cardiovascular Diseases and the NanoBioTechnology Research Networks of the RECOOP HST Association.

“The RECOOP HST Association explores and enhances LOCAL scientific outputs of the partner organizations, creates critical mass of scientifically sound innovative research at REGIONAL level and exploits the research outcomes at GLOBAL level to improve the prevention and treatment of major public health problems.”TM

Arrival October 19 (Friday) until noon

Conference Room #3

14:00 – 19:00	<i>TriNet Meeting</i>
16:30	Coffee Break
19:30	Buffet Dinner

October 20, 2012 (Saturday)

Conference Room #3

09:00 – 18:00	<i>TriNet Meeting</i>
10:45 – 11:15	Coffee Break
13:00 - 14:00	Buffet Lunch
16:00 – 16:30	Coffee Break
19:30 – 22:00	Buffet dinner

October 21, 2012 (Sunday)

Conference Room #3

08:30 – 12:00	<i>TriNet Meeting</i>
10:00 – 10:30	Coffee Break
12:30 - 13:30	Buffet Lunch

Departure from 13:30

Friday October 19, 2012

Conference Room #3

14:00 – 19:00 *TriNet Meeting*

- 14:00 – 14:20 Welcome and Opening Remarks
Sandor G. Vari, Director, International Research and Innovation Management Program, Cedars-Sinai Medical Center & President of the RECOOP HST Association
- 14:20 – 14:40 Genes for connexins in cardiovascular disease and in complications of pregnancy.
Jan Pitha Head of Laboratory for Atherosclerosis Research Department of Cardiology, IKEM - Institute for Clinical and Experimental Medicine, Prague, Czech Republic
- 14:40 – 15:00 Impact of Obesity and Stress on Cardiovascular Function
Marija Heffer, Department of Biology and Neuroscience, School of Medicine University Josip Juraj Strossmayer Osijek, Croatia
- 15:00 – 15:20 Human Microbiome Study in Preterm Birth
Marian Kacerovsky, Department of Obstetrics and Gynecology, University Hospital in Hradec Kralove; Czech Republic
- 15:20 – 15:40 Vascular responses to various physiological conditions.
Ivana Grizelj and Martina Mihalj, Department of Physiology and Immunology, School of Medicine University Josip Juraj Strossmayer Osijek, Croatia
- 15:40 – 16:00 Role of semicarbazide sensitive amine oxidase (SSAO) in Cardiovascular Diseases (endothelial cells and/or adipocytes)
Éva Szökő, Department of Pharmacodynamics, Faculty of Pharmacy, Semmelweis University
- 16:00 – 16:30 **Coffee Break**
- 16:30 – 16:50 Iron intake and preterm birth
Chander P. Arora, Cedars-Sinai Medical Center International Research and Innovation Management Program, RECOOP HST Association Scientific Manager
- 16:50 – 17:10 Viral infection in mother, neonate, infants and follow up in child development
Shubhada Bopegamage, Entervirus Laboratory, Virology Department, Slovak Medical University, Bratislava, Slovak Republic

- 17:10 – 17:30 Saccharide modified Iron Oxide particles (maghemite, $\gamma\text{-Fe}_2\text{O}_3$) for monitoring different diseases (metabolic, cardiovascular and cancer)
Daniel Horák, Department of Polymer Particles, Institute of Macromolecular Chemistry, Academy of Sciences, Prague, Czech Republic
- 17:30 – 17:50 Role of Vitamin D in ischemic heart disease and preterm birth
Zora Krivosikova, Medical Faculty, Department of Clinical and Experimental Pharmacotherapy, Slovak Medical University, Bratislava, Slovakia
- 17:50 – 18:10 Functional characterization of pregnancy-induced denervation in diabetic pregnant rat uterus
Gyorgy Falkay, Department of Pharmacodynamics and Biopharmacy, Faculty of Pharmacy, University of Szeged, Hungary
- 18:10 – 18:30 Inorganic Markers for Bio-Imaging
Artur Podhorodecki, Institute of Physics, Wroclaw University of Technology, Wroclaw, Poland
- 18:30 – 19:00 Panel Discussion
Moderator: Jan Pitha
- 19:30 – 22:00 **Buffet Dinner**

Saturday October 20, 2012

Conference Room #3

09:00 – 18:00 TriNet Meeting

- 09:00 -09:20 Assays for stress factors, lipid peroxidation, reactive oxygen species and antioxidants in the investigations of risk factors in term and preterm birth, metabolic disorders – obesity / diabetes, and gender differences in cardiovascular diseases.
Marianna Pap, Department of Medical Biology, Medical School, University of Pecs
- 9:20 – 9:40 Role of myofilamentary protein changes in diastolic dysfunction of preterm newborns
Zoltan Papp Institute of Cardiology, Clinical Physiology Department
University of Debrecen, Hungary
- 9:40 – 10:00 New applications in Nanomedicines
S. Moein Moghimi, Department of Pharmaceutics and Analytical Chemistry
University of Copenhagen

10:00 – 10:20 Specific polymorphisms of regulatory parts of *HLA-G* gene are an important risk factor of the recurrent spontaneous abortions in women.

Zastavna Danuta, Institute of Hereditary Pathology, National Academy of Medical Sciences of Ukraine

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

10:20 – 10:40 The role of transcriptional and epigenetic regulation in cervical carcinogenesis

József Kónya, Department of Medical Microbiology, Faculty of Medicine,
University of Debrecen, Hungary

10:40 – 11:00 **Coffee Break**

11:00 – 11:20 Strengthening the role of the International Visegrad Fund to increase the scientific output of the Visegrad Four, the Neighboring and the Eastern partnership countries.

Karla Wursterová, Executive Director, The International Visegrad Fund (IVF)

11:20 – 11:40 Vitamin D deficiency and effect on neurotransmitters in diabetes, ischemic heart disease and preterm birth.

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

11:40 – 12:00 Myocardial contractile dysfunction

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

12:00 – 12:20 Translational NanoBioTech Studies Part I

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

12:20 – 12:40 Translational NanoBioTech Studies Part II

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

12:40 – 13:00 Panel Discussion:

Zoltan Papp

13:00 - 14:00 **Buffet Lunch**

- 14:00 – 14:15 Targeted Drug Delivery for Cancer Treatment
Roman Bogdanovych Department of Pharmaceutical, Organic and Bioorganic Chemistry, Danylo Halytsky Lviv National Medical University, Lviv Ukraine
Rostyslav Stoika, Department of Regulation of Cell Proliferation and Apoptosis Institute of Cell Biology, National Academy of Sciences of Ukraine
- 14:15 – 14:45 Review of the RECOOP Clinical Research Standard Operating Procedures (SOP)
Linn Defensor, Office of Research Compliance and Quality Improvement, Cedars-Sinai Medical Center & RECOOP HST Association CTSMN Project Leader
- 14:45 – 15:00 New Features of the web based patient data depository on the FlexiForm (<http://www.flexiform.hu/>), upload the Electronic Data Entry Form (EDEF)
Gyula Markovics, Praxinfo, Medical Informatics System, Miskolc, Hungary
- 15:00 – 16:00 **Breakaway Sessions (Conference rooms: #0, #3, and #7)**

Mother and Child Health Research Network

Project integration in the RECOOP Life Sciences Research (LFR) Platform
Sample collection – protocols and guidelines
Moderator: Iuliana Ceausu

Women's Health and Cardiovascular Diseases Research Network

Project integration in the RECOOP Life Sciences Research (LFR) Platform
Sample collection – protocols and guidelines
Moderator: Zoltan Papp

NanoBioTechnology Research Network

Project integration in the RECOOP Life Sciences Research (LFR) Platform
Protocols and guidelines
Moderator: S. Moein Moghimi

16:00 – 16:30 **Coffee Break**

16:30 – 17:45 **RECOOP Article Review**

16:30 – 16:45 Gender-related differences in coronary artery disease risk factors in Hungary, coastal and continental Croatia

Dražen Mlinarević, Emergency Cardiology, Clinical Hospital Osijek and Department of Medical Biology, School of Medicine, University Josip Juraj Strossmayer Osijek, Croatia

16:45 – 17:00 Gender - and smoking- specific association between Connexin 37 polymorphism and acute coronary syndrome/ischemic heart disease in the Central European populations (Czech Republic, Croatia, Hungary and Romania)

Jan Pitha

- 17:00 – 17:15 Preterm Birth: A retrospective data collection report from 6 Central and Eastern European Countries (Croatia, Czech Republic, Hungary, Romania, Slovakia and Ukraine)
Chander P. Arora and Sandor G. Vari
- 17:15 – 17:30 Morbidity characteristics of late-preterm and early-term neonates
Zsofia Szalay, Department of Obstetrics and Gynecology, Faculty of Medicine, University of Pécs
- 17:30 – 17:45 Iron Use During Pregnancy in 5 Central and Eastern European Countries (Czech Republic, Hungary, Romania, Slovakia and Ukraine)
Chander P. Arora and Iuliana Ceausu, the Department of Obstetrics and Gynecology of “Dr. I. Cantacuzino” Hospital, “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania
- 17:45 – 19:00 **RECOOP Life Sciences Research (LFR) Platform**
Moderator: Sandor G. Vari
- 17:45 – 18:00 Summary of the Mother and Child Health Research Network
Iuliana Ceausu
- 18:00 – 18:15 Summary of the Women’s Health and Cardiovascular Diseases Research Network
Zoltan Papp
- 18:15 – 18:30 Summary of the NanoBioTechnology Research Network
S. Moein Moghimi
- 18:30 – 19:00 Panel Discussions
Moderators: Sandor G. Vari
Iuliana Ceausu
Zoltan Papp
S. Moein Moghimi
William J. Britt, Department of Pediatrics, University of Alabama-Birmingham, USA
Calvin J. Hobel, Miriam Jacobs Chair in Maternal-Fetal Medicine, Department of Obstetrics and Gynecology, Cedars-Sinai Medical Center & Chairman of the RECOOP HST Association Scientific Advisory Board
Charles F. Simmons, Jr., Department of Pediatrics, Ruth and Harry Roman Chair in Neonatology, Director, Division of Neonatology, Cedars – Sinai Medical Center
- 19:30 – 22:00 **Buffet dinner**

Sunday October 21, 2012

Conference Room #3

08:30 – 12:00 *TriNet Meeting*

8:30 – 8:45 **RECOOP is getting to be eclectic: Entropy versus Anti – Entropy**
Sandor G. Vari
Entropy versus Anti – Entropy two opposing strengths of the RECOOP HST Research Networks™ are the main driving forces of the RECOOP Life Sciences Research Platform.
Entropy is the tendency to decrease the organization or complexity.
Anti - entropy is the opposite tendency which is to increase the organization of a system.
To win we have to find the balance!

8:45 – 12:00 **RECOOP grant applications in 2013**

8:45 – 9:15 **IVF – CSMC – RECOOP Scholarships**
Sandor G. Vari

The CSMC – RECOOP Research Centers (CRRC) the Center of Excellences of the CSMC - RECOOP HST Association will host 16 young scientists per semester with **IVF – CSMC – RECOOP Scholarships**. The young scientists and the hosting CRRC will get 2,300 EUR for each semester from IVF as stipend and for accommodation costs of students.

The CRRC will get 1,500 EUR per semester for laboratory expense and consumables from CSMC – RECOOP. **IVF – CSMC - RECOOP Scholarship** will be a pre selection procedure for Fulbright Foreign Student Program in the RECOOP Association. Based on the research results of the **IVF – CSMC - RECOOP Scholarship** the young scientist will get support to engage with Cedars – Sinai Medical Center's academic entities.

9:15 – 9:30 **AMVIS - American Sciences Information Center**
Simona Laueroová, American Science Information Center, Prague, Czech Republic

AMVIS support of joint Czech - U.S. projects is based on the Agreement between the Government of the United States of America and the Government of the Czech Republic on Scientific and Technological Cooperation. <http://www.amvis.cz/grants.htm>

Call for the proposals announced once a year, usually in May.

Deadline for applications in 2012 was July 16.

9:30 – 10:00 Bayer HealthCare Grants4Targets

<http://www.grants4targets.com/scripts/pages/en/index.php>

S. Moein Moghimi

Rostyslav Stoika

Marija Heffer

Support Grants (€5,000-€10,000) to further advance research on targets that are at a very early stage of discovery; fixed grant approval letter; IP rights remain with the applicant.
Focus Grants (€10,000-€125,000) for more mature ideas, e.g. to address specific aspects of a target as a first step towards transferring it to the drug discovery process; fixed grant approval letter; IP rights remain with the applicant.

The annual submission deadlines are March 31 and August 31

10:00 – 10:15 **Coffee Break**

10:15 – 12:00 **NIH Funding Opportunities and Notices**

<http://grants.nih.gov/grants/guide/>

10:15 – 10:45 **NIH Nanoscience and Nanotechnology in Biology and Medicine (R01) PA-11-148 Current Closing Date for Applications May 07, 2014**

Shadi Farhangrazi, President and Managing Partner, Biotrends International,
President and CEO, Nikkia Biosystems, Adjunct Professor of Business, Daniels
College of Business, University of Denver, Engineering and Computer Science,
University of Denver, Women's College, University of Denver

Non-domestic (non-U.S.) Entities (Foreign Organizations) **are not** eligible to apply.
Foreign (non-U.S.) components of U.S. Organizations **are not** allowed.

Application Due Dates: standard dates February 5, June 5, October 5

10:45 – 11:15 **Fogarty International Institute of NIH and fund a Program Announcement (PA) number: PAR-10-257 Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) (D43)**

Letter of Intent of Receipt Date(s): **March 17, 2013**

Application Receipt Date(s): **April 17, 2013**

Peer Review Date(s): **October/November 2013**

Council Review Date(s): **January 2014**

Earliest Anticipated Start Date(s): **March 2014**

Expiration Date: **April 18, 2013**

The following organizations/institutions are eligible to apply:

Non-domestic (non-U.S.) Entities (Foreign Organizations)

Applications may only be submitted by foreign institutions in the low- and middle-income countries (LMIC), defined by the [World Bank classification system](#). Taiwan is not listed in the World Bank income classification list but is considered high-income and therefore is not eligible. Hong Kong is listed as high-income in the World Bank income classification list, so is not considered a LMIC.

Applicants from LMIC institutions must document active relevant research at their LMIC institution, which can support the proposed research training program.

Eligible RECOOP Partner: organizations from Romania and Ukraine with CSMC

11:15 – 12:00 **NIH Investigator-Initiated Multi-Center Clinical Studies (U01/U34)**

Sandor G. Vari and Linn Defensor

NIH supports implementation planning (U34) grants for multi-center clinical studies. These grants are intended to support all administrative study group activities that are required in order to begin recruitment of subjects. These activities include, but are not limited to: establishing the research team, developing the tools for data management and oversight of the research, defining the recruitment strategies, finalizing the protocol and investigators brochure, writing the Manual of Operations, establishing a data and safety monitoring plan and initiating the IRB approval process. The U34 is not designed for the collection of preliminary data, for the conduct of pilot studies to support the rationale for a clinical study, or for the design of the study. The U34 application will include the proposed study design.

Limited Competition: Pregnancy as a Window to Future Cardiovascular Health: Adverse Pregnancy Outcomes as Predictors of Increased Risk Factors for Cardiovascular Disease (U10) RFA-HL-13-014

This Limited Competition Funding Opportunity Announcement (FOA) encourages applications from the current “Nulliparous Pregnancy Outcomes Study: Monitoring Mothers-to-be (NuMoM2b)” clinical research sites and Data Coordinating and Analysis Center (DCAC) to propose a prospective follow-up study of the existing NuMoM2b cohort to examine the cardiovascular (CV) risk profile of women with a history of preeclampsia and other adverse pregnancy outcomes (APOs) at approximately two years postpartum.

RECOOP is not eligible!

Cooperative Multicenter Reproductive Medicine Network (U10) RFA-HD-13-016

The purpose of this funding opportunity announcement (FOA) is to announce the recompetition of the Cooperative Multicenter Reproductive Medicine Network (RMN). The NICHD invites applications from investigators willing to participate, with the

assistance of the NICHD under cooperative agreements, in an ongoing multicenter cooperative program designed to conduct clinical studies to investigate problems in reproductive medicine including female and male infertility, gynecologic and male reproductive system diseases and disorders that impact fertility, problems in andrology and endocrinology affecting reproduction. The objective of this program is to facilitate diagnostic and therapeutic solutions to these problems by maintaining a clinical research network of sites that use common protocols in large scale human trials to obtain answers to important clinical problems more rapidly than individual sites acting alone. This network benefits the public: infertile couples, individuals with reproductive diseases and disorders, and their health care providers.

LoI: September 29, 2012 we missed it!
Application Due Date(s) November 29, 2012

Foreign Institutions

Non-domestic (non-U.S.) Entities (Foreign Institutions) **are not eligible to apply.**
Non-domestic (non-U.S.) components of U.S. Organizations **are not eligible to apply.**
Foreign components, as [defined](#) in the [NIH Grants Policy Statement](#), **are allowed.**

RECOOP missed the opportunity could be alleageable with US entity!

12:30 - 13:30 **Buffet Lunch**

Departure!

See you in April 2013!

Bridges in Life Sciences 8th Conference

Laugh, Do Good Research and Patient Care TM

Prague, Czech Republic, April 5-7, 2013

See you at the next Bridges in Life Sciences Conference in Prague, Czech Republic on April 5-7, 2013.

During the Bridges in Life Sciences 8th Conference; Laugh, Do Good Research and Patient Care TM, in Prague, Czech Republic on April 5-7, 2013 RECOOP is planning to work with cartoonists from the Brain Sneezing group led by Peter Rázus from Slovakia. They are cooperating with cartoonists from Poland, the Czech Republic, Hungary, and Ukraine.

The Association invited cartoonists to make their artwork on the spot during the Conference and based on their impression and understanding of the scientific work they will make their artistic presentations. The cartoons will be displayed during the conference and the scientists will vote to select the top three cartoonists will get the RECOOP Laughing Scientist Award. The cartoonists also will have chance to evaluate the scientific presentations and posters and they will select the top three young scientists will get the Sneezing Brain Award.

Also we will continue to mingle science and art was already tested during Bridges in Life Sciences 7th Conference in Budapest, April 2012. The selected young researchers for scientific presentations asked to demonstrate their talent in arts also.

During the Bridges in Life Sciences Annual Meeting the Scientific Advisory Board selects the top ten young scientists. The winner gets the Cedars – Sinai RECOOP Scholar Grant to visit Los Angeles for two weeks with her/his supervisor.

The scientific works of the last three Bridges Conferences were published in the Annual Scientific Review Journal the Biopolymers and Cell (www.biopolymers.org.ua) 2010. Vol. 26. N 2 & N 2 supplementary; 2011. Vol. 27. N 2 & N 2 Supplementary; 2012. Vol. 28. N 2 supplementary.