



St. Petersburg  
July 6-11, 2013



## FEDERATION OF EUROPEAN BIOCHEMICAL SOCIETIES CONGRESS 2013 *Mechanisms in Biology*

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March 11, 2013

*Dear Colleagues,*

HUPO C-HPP Consortium organizes the Scientific Meeting for the Chromosome-centric Human Proteome Project (C-HPP, <http://www.febs-2013.org/eng/catalog/584.aspx>). The Meeting will take place as a part of the 38<sup>th</sup> FEBS Congress in St Petersburg, Russia ([www.febs-2013.org](http://www.febs-2013.org)) on July 10<sup>th</sup> – 11<sup>th</sup>, 2013 (last two days of the Main Congress). The goal of this meeting is to discuss possible scientific achievements which can be delivered by the C-HPP.

**Key Issues** of the C-HPP Scientific Meeting:

- Consolidation of transcriptomic and proteomic data in chromosome-centric format
- Clinical application of C-HPP
- Technologies for protein identification and quantitation in the context of the C-HPP
- Chromosome-centric recourses for knowledge generation

**Co-chairs:**

- Young-Ki Paik (C-HPP Leader)
- William Hancock (C-HPP Leader)
- Juan Pablo Albar (C-HPP European Representative )

**Confirmed speakers:**

- Young-Ki Paik
- Larry Gold
- Amos Bairoch
- Juan Pablo Albar
- Alexander Archakov
- Gilbert Omenn
- Thierry Rabilloud
- Alexander Makarov
- William Hancock
- Alexey Nesvizhskii
- Emma Lundberg

We are delighted to invite you to take part in this Scientific Meeting with oral or poster presentation.

Please note these 2 important dates:

**April 5** - Early Registration deadline

**April 15** - Abstract Submission deadline

*We would very much appreciate if you let us know about your participation at your earliest convenience and send after registration a copy of your abstract to [rushupo@gmail.com](mailto:rushupo@gmail.com).*

We very much hope that you will share our enthusiasm for this Scientific Meeting. Please feel free to contact the Local Host at if there is any further information you need. It would be very kind if you would bring this event to the attention of potentially interested persons within your scientific community.

We look forward to welcome you in St. Petersburg!

On behalf of the Co-chairs and Organizers,  
Yours sincerely,

**Alexander Archakov**  
Local Host  
C-HPP Scientific Meeting  
Russia

**Alexander Gabibov**  
Chair, 38<sup>th</sup> FEBS Congress  
Organizing Committee  
Russia

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[www.febs-2013.org](http://www.febs-2013.org)

[info@febs-2013.org](mailto:info@febs-2013.org) (Congress Secretariat), [Program\\_Com@febs-2013.org](mailto:Program_Com@febs-2013.org) (Program Committee); [YSF@febs-2013.org](mailto:YSF@febs-2013.org) (Young Scientists' Forum)

# HUMAN PROTEOME PROJECT

## Scientific Meeting for the Chromosome-centric Human Proteome Project (C HPP)

Chairs: Alexander Archakov (Local Host)  
Young Ki-Paik (C-HPP Chair)  
William Hancock (C-HPP Co-Chair)  
Juan Pablo Albar (C-HPP Principal Investigator)

**July 10, 2013**

**07.30-10.30 I. Consolidation of transcriptomic and proteomic data in chromosome-centric format**

07.30 - 08.00	<b>Gilbert Omenn <i>University of Michigan, Ann Arbor, MI, USA</i></b> The Overall Strategy, Organization, and Progress of the Human Proteome Project
08.00 - 08.30	<b>Alexander Archakov <i>Institute of Biomedical Chemistry, Moscow, Russia</i></b> Transcriptoproteome of Chr 18: Lessons from First 3 Years
08.30 -09.00	<b>Juan Pablo Albar <i>ProteoRed-ISCI, National Center for Biotechnology, CSIC, Madrid, Spain</i></b> Human Proteome Project: Characterization of the Proteins Encoded by the Chromosome-16 Protein Coding Genes
09.00 - 09.30	<b>Thierry Rabilloud <i>Institute of Life Sciences Research and Technologies (iRTSV) Grenoble, France</i></b> TBA
09.30 - 10.00	TBA
10.00 - 10.15	TBA
10.15 - 10.30	TBA
<b>13.00-14.30</b>	<b>POSTER SESSION AND LUNCH</b>
<b>16.40-19.40</b>	<b>II. Clinical application of C-HPP</b>
16.40 – 17.10	<b>Young-Ki Paik <i>Yonsei University, Seoul, Korea</i></b> The Chromosome-Centric Human Proteome Project (C-HPP), a New Paradigm of Multi-Omics Research in the Biomedical Community
17.10 - 17.40	<b>William Hancock <i>Northeastern University, Boston, MA</i></b> New Insights Into Cancer Biology by the Integration of Encode, Transcriptomic and Proteomic Data
17.40 -18.10	TBA
18.10 - 18.30	<b>Sergey Moshkovskii <i>Institute of Biomedical Chemistry, Moscow, Russia</i></b> Cancer-specific Genome Changes Observed at Proteome Level in Colorectal Cancer
18.30 - 18.50	TBA
18.50 -19.10	TBA
19.10 -19.30	TBA

**July 11, 2013**

**08.00-12.00 III. Technologies for protein identification and quantitation in the context of the C-HPP**

08.00 - 08.30 **Alexander Makarov** *Thermo Fisher Scientific, Bremen, Germany*  
Orbitrap Mass Spectrometry in Proteomics: Past, Present and Future

08.30 - 09.00 **Larry Gold** *SomaLogic, Boulder, Colorado USA*  
Unbiased Affinity-Based Proteomics: SOMAscan Applications for Healthcare

09.00 - 09.30 **Emma Lundberg** *The Royal Institute of Technology, Stockholm, Sweden.*  
TBA

09.30 - 10.00 TBA

10.00 - 10.20 **Victor Zgoda** *Institute of Biomedical Chemistry, Moscow, Russia*  
Quantitative Proteomics of Chr 18

10.20 - 10.40 **Stanislav Naryzhny** *Petersburg Nuclear Physics Institute, St-Petersburg, Russia*  
Toward Evaluation of the Human Proteome: Can 2DE Technique Afford it?

10.40 - 11.00 **Arthur Kopylov** *Institute of Biomedical Chemistry, Moscow, Russia*  
Hidden Proteome: Multiplexed Quantitation of Low- and Ultralow-copy Number Proteins in HepG2 Cells

11.00 - 11.20 TBA

11.20 - 11.40 TBA

11.40 - 12.00 TBA

**15.00-18.00 IV. Chromosome-centric resources for knowledge generation**

15.00 - 15.30 **Amos Bairoch** *Swiss Institute of Bioinformatics, Geneva, Switzerland*  
TBA

15.30 - 16.00 **Alexey Nesvizhskii** *University of Michigan, Ann Arbor, USA*  
Combined Transcriptome and Proteome Analysis: Methods and Applications

16.00 - 16.30 TBA

16.20 - 16.40 **Andrey Lisitsa** *Institute of Biomedical Chemistry, Moscow, Russia*  
Consolidating Chr 18 Data Using Knowledgebase of Protein and Transcript Annotations

16.40 - 17.00 **Eugene Kolker** *Seattle Children's Research Institute, USA*  
Customized MOPED for Chromosome-Centric Research: Chromosome 18 Case Study

17.00 - 17.20 **Fedor Kolpakov** *Institute of Systems Biology, Russia*  
Analyses of RNA-seq Data for Prediction Translation Efficiency and Protein Quantity from Transcriptomics Data

17.20 - 17.40 TBA

17.40 - 18.00 TBA