



9th C-HPP Workshop in Busan (Haeundae Ocean Beach), Korea

(2nd Circular, updated January 1, 2014)

Happy New Year!

Dear Colleagues,

We would like to make you update on the preparation of our 9th C-HPP Workshop in Busan as follows. If you have any suggestion or question on this plan, please contact us at

paikyk@gmail.com. Our special issue is out at <http://pubs.acs.org/toc/jprobs/current>

We thank you all for your contribution to this JPR issue.

Best Regards,

Young-Ki Paik

Bill Hancock and Gyorgy Marko-Varga

A. Program Update (as of Jan 1, 2014)

1. Plenary Lectures

Presentation 1:

Discovery of Druggable Targets from Liver Cancer Genome*

Hyun Goo Woo. MD. PhD

Dept of Physiology, Ajou University School of Medicine, Suwon, Korea

**His talk will cover chromosome-based liver cancer genes and gene clusters which will be a good basis for our joint (C-HPP and B/D-HPP) efforts on the disease biomarker discovery*

1): Kwon SM et al., Woo HG. Genomic copy number alterations with transcriptional deregulation at 6p identify an aggressive HCC phenotype. *Carcinogenesis*. 2013 Jul;34(7):1543-50.

2): Woo HG, et al., Exploring genomic profiles of hepatocellular carcinoma. *Mol Carcinog*. 2011 Apr;50(4):235-43.

3): Woo HG et al., Association of TP53 mutations with stem cell-like gene expression and survival of patients with hepatocellular carcinoma. *Gastroenterology*. 2011 Mar;140(3):1063-70.

Presentation 2

Introduction of ENCODE data for potential linkage with Proteomics Research**

Sung-Min Ahn, MD. Ph.D

Department of Oncology, Department of Biomedical Informatics, Asan Medical Center, University of Ulsan College of Medicine

***His talk will focus on the use of ENCODE in the proteomics research which fits well to our working scheme. He has been working on both genomics and proteomics and will give us a vision as to how we can merge two disciplines into the C-HPP.*

1): Ahn SM et al The first Korean genome sequence and analysis: full genome sequencing for a socio-ethnic group. *Genome Res*. 2009 Sep;19(9):1622-9.

2): Kim D et al., and Ahn SM. Revising a personal genome by comparing and combining data from two different sequencing platforms. *PLoS One*. 2013 Apr 8;8(4):e60585.

3): Ahn SM, Simpson R, Lee B. Genomics and proteomics in stem cell research: the road ahead. *Anat Cell Biol*. 2010 Mar;43(1):1-14.

2. Updated GOALS and DELIVERABLES for the C-HPP (10 Year Plans: 2012.9-2022.9)

-As stated in our Editorial (JPR, 2014, see attached; Paik et al. 2014, Lane et al., 2014), because we have made significant progress on the consortium projects, it is timely to refresh and update our scientific goals in each phase.

-Extensive discussion will be focused on the formation, rescheduling and targeted deliverables for the phase 1 and 2.

3. Contribution of each chromosome team to the major milestones in discovering missing proteins per chromosome:

- C-HPP leadership will present the timeline and contents for this landmark paper targeting 2015/16
- Updated status by each PI/Big milestone paper publication plans by the C-HPP participants;
- Supportive Role of neXtProt, GPMDDB and HPA to catalogue the missing proteins in coordination with each chromosome team.
- A strategy for the actual cross-links with Biology and Disease-driven HPP teams.

4. MRM standardization initiative for the C-HPP consortium: Progress Reports and Plan for the Big paper publication plans

By Christoph Borchers, Ph.D. (Chr 6 group)
Genome British Columbia Proteomics Centre, University of Victoria, St, Victoria, Canada.

-This session will be devoted to a brain storming opportunity for MRM standardization of a common set of bio-fluid proteins across the consortium labs.

(Note major output from B/D-HPP (Aebersold-ETH, Moritz-ISB) of SRM Atlas, PASSEL data resource for SRM datasets (via ProteomeXchange), spectral library and SRM proteotypic peptides for protein sequences by all of the 20,000 protein-coding genes; please examine available information for protein sets of interest for your chromosome and/or disease-related proteins.)

5. Production and presentation of new integrated omics data in each chromosome paper

-A few talks will be presented as examples to demonstrate the various strategies for integrating the omics data towards C-HPP (invitation based).

6. Installation of Project Evaluation System for the C-HPP project:

- Demonstration will be given to show a newly constructed web-based review system of the HPP progress for SSAB members and outside referees.
- Discussion of ways to assist C-HPP teams not so far advanced.

7. Report on the Updated Info on the Major Resources (e.g., neXtProt, GPMDDB, PeptideAtlas, Human Protein Atlas etc);

-Consideration of contributions and limitations of additional sources, such as ProtAnnotator (focus on homologous genes/proteins and proteogenomics), Gene-centric Knowledgebase (Russia), Proteome Browser (Australia), CAPER 2.0 (China), HinvDB (Japan), GenomewidePDB (Korea), and any others.

8. Planning on C-HPP activities in the Madrid Meeting (Oct 5-8) and AOHUPO Congress (August 6-8, 2014 in Bangkok, Thailand).

-Updated info obtained from HPP EC conf calls (Jan, Feb) and C-HPP Bioinformatics calls (Jan 26) will be given to all participants.

9. Wiki Update on each chromosome team;

-There will be discussion on the notification of schedule for update of neXtProt with inputs from PeptideAtlas, GPMDDB, and HPA in spring 2014 in order to be available for preparation of manuscripts for JPR 2015 special issue and presentations for Madrid.

10. Funding Strategy for the C-HPP

-In this session, there will be some presentations of 2-3 successful cases by the PIs who have recently received the long-term funds for the C-HPP. (Chr 9, 11, 13 and 16).
-Some ppt materials will be given to the participants for their future preparation of the similar type of grant applications.

11. Resources and Reagents

-Updated progress on common resources and a plan that provides resources to the teams such as antibodies, Reference samples, Analysis software and Storage databases

12. Other important issues (JPR special issues in 2015; Jamborees; ProteomeXchange data submission etc). Build a list of PXD identifiers for C-HPP datasets to assist all investigators; note PXD identifiers in Abstracts of JPR special issue 2014 manuscript that have experimental data.
-Recognize that many datasets have detailed information for every chromosome, even if the authors of the manuscript focus only on the relevant protein findings for their team's chromosome.

B. Administrative Matters

1. Travel assistance

-A letter of invitation: If anyone needs an official letter of invitation from the host, please contact Ms. Sun Hee Choi at cprc@proteomix.org

-Travel assistance: If anyone needs any assistance on arranging travel in Busan, please contact Ms. Yongmi Kim at baenangtravel@hanmail.net

-Soon or later, our admin team will conduct a survey on the arrival/departure schedules of individual participants for the purpose of hotel room reservation and other local activities. Please respond to this survey by giving the fully updated info as soon as possible.

2. General Information on the 9th C-HPP Workshop

● **Official Name of the Meeting: The 9th C-HPP Workshop in Busan, Korea**

● **Date: March 26, 2014, 09:00-18:00**

● **Venue: Novotel Ambassador Busan (Haewundae Ocean Beach), Korea.**

<http://h-rez.com/a118249/index2.html?nav=did10>



Novotel Ambassador Busan: Novotel Ambassador Busan is a luxurious 4-star hotel conveniently located near the centre of Haeundae. Local tourist attractions such as Gwangang Grand Bridge, Haeundae Beach and Gwangalli Beach are not far from the hotel. Also easily within reach are Busan Aquarium, City Centre Haeundae and City Centre Busan. The preferred airport for Novotel Ambassador Busan is Busan (PUS-Gimhae) - 19.4 km / 12.1 mi. In Busan Haeundae). **Hotel facilities**: Room service (24 hours) - Dry cleaning/laundry service - Secure parking - Restaurant - **Free** guest parking during stay - Health club - **Free** parking - Breakfast available (surcharge) - Safe-deposit box at front desk - Swimming pool - indoor - Bar/lounge - Airport transportation - 24-hour business center - 24-hour front desk - Medical assistance available - Luggage storage - Air-conditioned public areas - Babysitting or childcare - Sauna - Express check-in

2. List of Participants committed to attend the C-HPP workshop.

(Last Updated: Jan 4, 2013): **Total ~50 (C-HPP PIs and their co-workers/guests)**

The following is the current list of participants to this workshop. We would like to encourage you to make update on the list of each chromosome team ASAP by contacting at cprc@proteomix.org

Chr 01: Ping Xu (for Fuchu He); Dong Li (BPRC, China) (2)

Chr 02: Lydie Lane (SIB) (1)

Chr 03: Toshihide Nishimura (Tokyo Medical University, Japan) (1)

Chr 06: Christoph Borchers (for Paul Kweon, University of Victoria-Genome British Columbia) (1)

Chr 07: Mark Baker (Macquarie Univ., Australia)(1)

Chr 08: Pengyuan Yang (Fudan Univ., China), Fan Zhong (Fudan Univ., China) (2)

Chr 09: Je Yoel Cho (Seoul National Univ, Korea), Soo-Youn Lee (Samsung Hospital Seoul, Korea)
Jeong-Mo Ahn (Seoul National Univ., Korea) and a few post-doc fellows (6)

Chr 10: Jin Park (for Joshua LaBaer, Arizona State Univ., USA) (1)

Chr 11: Jong Shin Yoo (KBSI, Korea), Kyung-Hoon Kwon (KBSI, Korea) (2)

Chr 12: Visith Thongboonkerd (Mahidol University, Thailand) (1)

Chr 13: Young-Ki Paik (YPRC, Korea), Seul-Ki Jeong (YPRC), Jin Han (Inje Univ., Korea) and their research associates (6)

Chr 14: Jerome Garin (CEA, France), Yves Vandenbrouck (CEA, France) (2)

Chr 16: Juan Pablo Alba (CNB-CSIC, Spain, C-HPP EC Member) (1)

Chr 17: Bill Hancock (Northeastern Univ., USA, Co-Chair) (call in)

Chr 18: Alex Archakov (RAMS, Russia), Andrey Lisitsa (RAMS), Victor Zgodina (RAMS) (3)

Chr 19: Gyorgy Marko-Varga (Lund Univ, Co-Chair), Carol Nilsson (Univ. Texas Medical Branch, USA, C-HPP EC Member) (2)

Chr 20: Seqi Liu (BGI, China), Liang Lin (BGI, China), Quanhui Wang (BGI, China) (3)

Chr 21: Daniel Figeys (Ottawa Univ., Canada) (1)

Chr 22: Min-Sik Kim (for Akhilesh Pandey; Johns Hopkins Univ., USA) (1)

Chr X: Tadashi Yamamoto (Niigata Univ., Japan) (1)

Mito: Andrea Urbani (University of Rome, Italy) (1)

Invited speakers (2-3) and guests from the KHUPO leadership (4)

Contacts

- Administrative Assistance for the C-HPP Workshop: Ms. Sun Hee Choi cprc@proteomix.org
- Travel Assistance: Ms. Yongmi Kim baenangtravel@hanmail.net
- Administrative Assistance for the KHUPO Meeting: Ms. Hee Ja Lee admin@khupo.org