

3rd Circular (April 19, 2018)

CHI:P

**19th Chromosome-Centric
Human Proteome Project
Symposium**

2018 June 16-17
Santiago de Compostela

EUPA 2018

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Organized by
Fernando J. Corrales, Concha Gil and Young-Ki Paik.

19th C-HPP Symposium

June 16-17 2018

Santiago de Compostela, Spain

Venue: Faculty of Medicine, University of Santiago de Compostela: In the heart of the old city, close to Hotel Monumento San Francisco (EuPA meeting venue).



Saturday, June 16th

- 8:00-8:20** Registration
- 8:20-8:30** Welcome Message. Fernando J. Corrales.
- 8:30-9:00** The Human Proteome Project. Gil Omenn.
- 9:00-9:20** C-HPP: Progress Update and Future Direction: Young-Ki Paik (C-HPP Chair).
- 9:20-11:00** neXt-MP50 Challenge: Update. Chris Overall.

- Keynote presentation 1 (20 min). Charles Pineau.
- MP success and new strategies.
- The proteome of human cerebrospinal fluid and the identification of missing proteins (10 min). Charlotte Macron (Chr 2).
- Short oral C-HPP group 2 (10 min). Christoph Borchers (Chr 6).
- Missing protein detection in human embryonic tissues using a proteogenomics approach (10 min). Fernando J. Corrales (Chr16).
- Short oral C-HPP group 4 (10 min). Miguel Marcilla (Chr 16).
- Discussion (40 min).

11:00-11:30 Coffee break.

11:30-13:30 Bioinformatics, **Green** team (Lydie Lane, Co-Chair Eric Deutsch)
Update on the Status of Target Proteins --MPs, uPE1, smORFs, lncRNAs and others.

- Introduction (10 min). Lydie Lane.
- Re-using and integrating public proteomics data to improve our knowledge of the human proteome (20 min). Juan A. Vizcaino (ProteomeXchange).
- Keynote presentation 2 (20 min). Jong Shin Yoo (Chr 11).
- Action plan to decipher functions of Chr18 encoded proteins in the frame of neXt-CP50 Challenge(15 min). Elena Ponomarenko (head bioinformatics Chr 18).
- Short oral C-HPP group 3 (Chr. 5) (15 min). Peter Horvatovich (Chr 5).

- Discussion (40 min).

13:30-15:00 Lunch break.

15:00-17:00 neXt-CP50 Challenge: functional annotation, [Blue](#) team. Young-Ki Paik.

- Keynote presentation 1 (20 min). Gilberto Domon (Chr 15).
- Keynote presentation 2 (20 min). Lydie Lane.
- Sensitivity and specificity of mass-spectrometric proteomic technologies as factors determining the prospects for the CHPP project (10 min). Alexander Archakov (Russian Team Chr 18).
- Short oral C-HPP group 2 (10 min). Fernando J. Corrales (Chr 16).
- Short oral C-HPP group 3 (10 min). Andrea Urbani (Mt).
- Deciphering Functional roles of missing proteins by Comprehensive integration of affinity proteomics, MS/MS & RNA-sequencing datasets in Chronic Lymphocytic Leukemia tumor B cells and healthy B cell subpopulations in the context of the Chromosome-Centric Human Proteome Project (10 min). Manuel Fuentes (Chr16).
- Discussion (40 min)

17:00-19:00 C-HPP EC meeting.

EuPA and C-HPP dinner.

Sunday, June 17th

9:00-11:00 Young Investigators session.

- Proteogenomics: Combining Next Generation Sequencing and Mass Spectrometry in *Candida albicans* (12+3 Q&A min). Mónica Franch.
- Speaker 2 (12+3 Q&A min). Seul-Ki Jeong, YPRC.
- Differential Immune Recognition of the *Candida albicans* yeast and Hyphal cell surface Proteomes in invasive Candidiasis (12+3 Q&A min). Aida Pitarch (UCM).
- Speaker 3 (12+3 Q&A min). Someone from Korea Standard Inst.
- Speaker 4 (12+3 Q&A min). Catarina Oliveira (UCM).
- Speaker 6 (12+3 Q&A min). Heeyoun Hwang, KBSI
- Speaker 7 (12+3 Q&A min).

11:00-11:30 Coffee break

11:30-13:30 Long-term plans and directions for C-HPP
(Young-Ki Paik, Christoph M. Overall)

- Re-structuring C-HPP Teams for Phase II (2019-)

- Strategies for the identification of MPs (Using info available on public proteome databases, proteogenomics, proteoforms, small ORFs, etc.).
- Strategies for the functional annotation of Dark Proteome (MPs, uPE1, smORFs and lncRNA proteins) (Russian team proposal, and others).
- Synergies and interactions across C-HPP and B/D-HPP groups (samples, data sharing...).
- Other issues

13:30-14:00 Next C-HPP meetings and other business.

- 2018 JPR SI Update Christoph M. Overall
- 2018 HUPO Congress Workshop Plans Young-Ki Paik
- 2019 C-HPP Workshop Plans in St. Malo (Charles Pineau)