

September 2007 Report on the Plasma Proteome Project to the HUPO Initiatives Committee (submitted by Gil Omenn, 11 Sept 2007)

Major activities:

1. At the Long Beach HUPO 5th World Congress of Proteomics, Ruedi Aebersold, Gil Omenn, and Young-Ki Paik were named co-chairs of the HUPO Plasma Proteome Project. The PPP held a very well-attended Workshop, with lots of discussion about the Next Phase of the PPP and the use of standardized blood specimens (EDTA-plasma) with standardized specimen handling protocols. The Biomarker Work Group led by Marti McIntosh joined the PPP Workshop.
2. Omenn and Eric Deutsch represented the PPP for the entire six-day HUPO Initiatives Workshop in Barbados in January 2007, chaired and hosted by John Bergeron.
3. The HUPO PPP co-chairs and several leading investigators held a conference call on March 2.
4. The PPP had a workshop and several presentations at the U.S. HUPO Annual Meeting in Seattle March 5-8.
5. The PPP has organized a Workshop for the HUPO 6th World Congress in Seoul, October 7, 2007.
6. A book based entitled “Exploring the Human Plasma Proteome”, based on the Pilot Phase of the HUPO PPP and the Proteomics 2005 special issue, was published by Wiley in December 2006.

Outline of the Next Phase for the PPP

1. Quantitation and subproteomes (PTMs) with new methods and advanced instruments
2. HUPO Plasma Proteome Databases, with robust bioinformatics analyses and distributed file sharing system (Tranche)
3. Convergence of HUPO organ-based and disease-related proteome studies to a common pathway in the plasma proteome

Request to HUPO Council and Participants in Buenos Aires Meeting, July 2007

1. Indicate your potential interest in participating in the Next Phase HPPP. Criteria for labs: substantial scope of funded work, advanced state of technology platforms, commitment to contribute datasets in timely fashion for collaborative analyses, and interest in active participation in PPP workshops and other forums and in generating significant publications.
2. Indicate your willingness to organize cross-initiative collaborative analyses if you are in the leadership of a HUPO initiative.
3. Attend HUPO PPP Workshop in Seoul
4. Contact Gil Omenn: gomenn@umich.edu.

Program for the PPP Workshop in Seoul, Oct 2007

20:00-20:45 Panel: **Advances in Technology Platforms and Analytical Strategies for Quantitation, Identification of PTMs, Throughput**

Aebersold, Mallick, Hunter, Jensen, Hochstrasser, Smith, Zeng

20:45-21:30 Panel: **Informatics and Databases for the Plasma Proteome**

Martens, Deutsch, Beavis, Kapp, Nesvizhskii, Pandey

21:30-22:00 Panel on **Plasma as Final Common Pathway for Biomarkers Emerging from Organ and Disease Proteome Initiatives**

John Bergeron (Canada), moderator; He, Ping, Schnitzer, Yamamoto
