

Pre-project meeting Agenda
Human Kidney Proteome Project (HKPP)
or Human Kidney and Urine Proteome Project, (HKUPP)

November 13, 12:00-15:00

Loews Philadelphia Hotel, Howe Room

Background

1. Introduction of HUPO and Initiatives

HUPO (Human Proteome Organization) <http://www.hupo.org>

Followed after Human Genome Organization (HUGO)

John J.M. Bergeron - (President, john.bergeron@mcgill.ca)

Mission of HUPO

To consolidate national proteome organizations into a worldwide organization

To assist in the coordination of public proteome initiatives

To engage in scientific and educational activities in proteomics Organization and committee

HUPO Initiatives; HBPP, HLPP, HPPP, PSI,HAI, HGPI

Proposal of Human Kidney and Urine Proteome Project (HKUPP) in 4th HUPO Congress in Munich on Aug 2005 by

Mark Knepper (knep@helix.nih.gov), NIH/NHLBI (America)

Pierre Ronco (pierre.ronco@tnn.ap-hop-paris.fr), INSERM702 (Europe)

Tadashi Yamamoto (tdsymmt@med.niigata-u.ac.jp), Niigata Univ (Asia/Oceania)

HUPO Initiative Round Table Meeting at Beijing on Oct 30-31, 2005

Samir Hanash shanash@fhcrc.org (Chair, HUPO Initiative Committee)

New Human Disease Biomarker Initiative: Kidney Disease, Cardiovascular Disease, Neurological Disease and Cancer

2. Aim of HKUPP (Human Kidney and Urine Proteome Project)

To facilitate proteome analysis and to foster the researchers in nephrology

To understand kidney functions and molecular processes of kidney diseases

To construct a database of kidney and urine proteome in normal and diseases

To identify biomarkers and drug targets for human kidney diseases

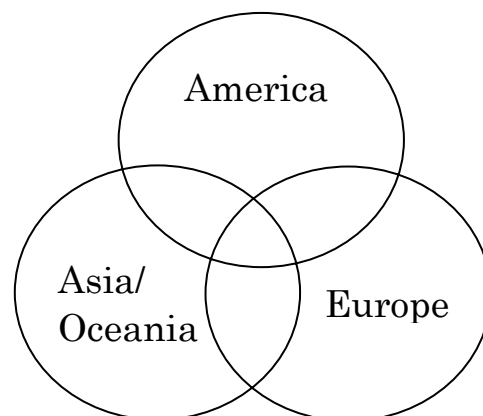
3. Organization of HKUPP

● **Organizing members:**

America: John Arthur, Mark Knepper, Jeffrey B. Kopp, Robert Star,

Asia/Oceania: Fumitake Gejyo, Sei Sasaki, Visith Thoongboonkerd, Tadashi Yamamoto

Europe: Harry Holthofer, Gerhard Muller, Pierre Ronco, Robert Unwin



- **Leadership: Chair (for 3 years) and co-chairs: Americas, Asia/Oceania, Europe**

Chair:

Co-chair:

Co-chair:

- **Committee:**

–Executive committee: To decide core issues of the project

America: Mark Knepper, Robert Star, Jon Klein, John Arthur

Asia/Oceania: Fumitake Gejyo, Sei Sasaki, Visith Thoongboonkerd, Tadashi Yamamoto

Europe: Harry Holthofer, Gerhard Muller, Pierre Ronco, Robert Unwin

–Standardization and normalization Committee:

To establish standard methods for sample preparation, storage, detection and validation

America:

Asia/Oceania:

Europe:

–Sample collection and distribution Committee:

To store standard samples for distribution to other institution

America:

Asia/Oceania:

Europe:

–Functional proteomics and subproteomics Committee:

To guide function- or structure-related proteomics:

–Training & Education Committee:

To provide facilities for training and education of trainee

–Advisory Committee: To get advise

America:

Asia/Oceania:

Europe:

HUPO: Samir Hannash (HIC), Mathias Uhlen (HAI), Rolf Apweiler (PSI)

–Data collection and web construction:

To construct database and to provide information

Home page; <http://www.hkupp.org> or www.hkpp.org

Information, Electric journal, Database to EBI

–Administration: Head quarter and Secretary generals Communication and

Discussion

Homepage for : <http://www.hkupp.org>

Mailing list for discussion: Executive committee members and all members
Workshop and meeting schedule

1st Workshop in conjunction with the 6th Podocyte Symposium, organized by
Dr. Holthofer (Helsinki, Finland, June 8-11, 2006)

Proteome Section in 2006 ASN meeting (2nd Workshop)

5th HUPO Long Beach (USA), 2006 Oct

5. Action Plans: Workshop and communication: every year

•Standardization of kidney and urine proteomics •Database of Human Kidney and Urine Proteome Project, HKUPP homepage (<http://www.hkupp.org>) and electric journal (Kidney and Urine Proteome) •Education: Core centers in America, Asia/Oceania and Europe

6. Measurable Outcomes, including timelines (milestones): •2005.11 Pre-project meeting at Philadelphia: Organization and Timeline

•2006. 1 **HKUPP home page** (<http://www.hkupp.org>)

Database: Human glomerulus proteome database (<http://www.sw.nec.co.jp/bio/>)

Information and Electric journal of Kidney and Urine Proteome •2006. 6 1st

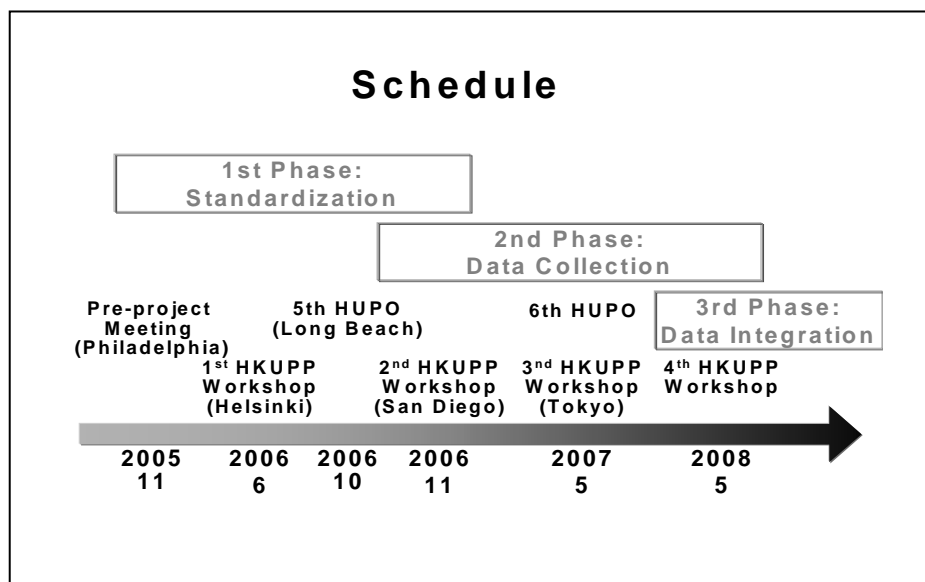
Workshop at Helsinki: Standardization of methods, trial data comparison

•2007.11 5th HUPO Meeting and 38th ASN meeting (2nd Workshop) Collection of Proteome data of normal and disease kidney and urine and establishment of HKUPP education

cores •2008 3rd Workshop: Addition of proteome data of disease kidney and urine in the

database and validation of the biomarkers •2009~ Enrichment of Kidney and Urine Proteome

Database and integration of data for drug target search **Timeline**



Discussion in The 1st Workshop;
Data sharing vs publication, partnership with companies, Funds (to HKUPP or each researcher, from government/public or local/private), and the interest of each researcher/HKUPP