

HUPO PLASMA PROTEOME PROJECT COMMITTEES

EXECUTIVE COMMITTEE

Gil Omenn (Michigan), chair
Ray Ruddon (Johnson & Johnson, J&J)
Stan Hefta (Bristol Myers Squibb, BMS)
Fuchu He (Beijing/HUPO Liver Proteome Project)
Sudhir Srivastava (NCI/EDRN)

Committee chairs:

Dan Chan (Johns Hopkins, Specimens)
Richard Simpson (Australia, Technology)
Henning Hermjakob (EBI, UK, Bioinformatics)
Peipei Ping (UCLA, Education & Training)
Gerard Siest (France, Population Cohorts/Specimen Banks)

HUPO officers:

Sam Hanash (HUPO President)
Young-Ki Paik (HUPO Sec General, Korea)
Chip Petricoin (HUPO Treasurer, FDA)

The functions of the Executive Committee are to:

- Oversee all aspects of the administration, fund-raising, scientific developments, international collaborations, workshops, and publications from this highly visible Project
- Assure sufficient funding to conduct the Project through a succession of scientific stages, both from private sector and government sources
- Guide the smooth transition from the Pilot Phase to longer term studies with selected technology platforms and population cohorts/specimen banks
- Assure good connections with other HUPO initiatives and prominent discussion of this Project at the annual HUPO Congress
- Keep the Project well informed about private sector and public sector developments that are relevant to this Project

SPECIMEN COLLECTION & SPECIMEN HANDLING COMMITTEE

Dan Chan (Johns Hopkins), chair
Bruce Haywood and David Warnuke (BD Clinical Preanalytical Solutions)
Peter Barker (NIST)
Ken Ingham (American Red Cross)
Ed Moore (Baxter)
Sudhir Srivastava (NCI/EDRN)
Xiaohang Zhao (Beijing)
Dennis Hochstrasser (Geneva)
Gerard Siest (France)
Steve Carr (Millennium)

The functions of the Specimens Committee are to:

- Identify and secure appropriate sources of reference specimens suitable for characterization of the comparative advantages and limitations of various technology platforms and analytical approaches
- Develop a fail-safe plan for efficiently distributing specimens (frozen on dry ice, as well as freeze-dried) internationally, overcoming all kinds of risks of loss or deterioration through delay or mishandling
- Specify for the Bioinformatics Committee the elements to be included in a specimen-tracking database
- Participate in the guidance of interested HUPO participating laboratories willing to conduct multiple assays to evaluate technical variables in specimen handling, storage, freeze-thaw, etc. (see Chan/Moore memo from September 2002 workshop, available at www.hupo.org)
- Interact with the Technology Committee to assure that the reference specimens are adequately tested against a wide array of technology platforms for separation and identification
- Guide the development, probably evolving from this Committee, of a Committee on Population Cohorts and Specimen Banks (see below)

TECHNOLOGY PLATFORMS AND PROTOCOL REVIEW COMMITTEE

Richard Simpson (Melbourne), chair
Ruedi Aebersold (Institute for Systems Biology, Seattle)
Phil Andrews (Michigan)
Alexander Archakov (Moscow)
John Bergeron (McGill)
Catherine Fenselau (Maryland)
Mannfried Lottspeich (Germany)
Matthias Mann (Odensee)
Helmut Meyer (Germany)
Karin Rodland and Richard Smith (PNL)
John Semmes (Eastern Virginia)
David Speicher (Wistar/Penn)
Alex Apffel (Agilent)
Steve Cohen (Waters)
Christoph Eckerson (Tecan)
Hanno Langen (Roche)
Arthur Moseley (GlaxoSmithKline)
David Odelson (Invitrogen)
Mike Pisano (Proteomic Research Services, Ann Arbor)
Walid Qoronfleh (Perbio/Pierce)
Ruth Vanbogelen (Pfizer)

The functions of the Technology Committee are to:

- assure that we have a full array of existing and emerging technologies included in our Project--nominating additional laboratories, if needed
- review the responses from participating labs to the brief questionnaire (above and attached; note mention of protocol request coming)
- advise on a proposed outline (our next step, to be sent subsequently) for a 5 page protocol submission
- review the protocols submitted--within, say, a 2-3 week period, and provide concise comments for feedback to the labs
- participate actively in the assessment of findings and comparative analyses of the performance of technology platforms and analyses.
- participate in collaborative analyses for publication from the pilot phase
- guide choices of specimens and technologies for subsequent phases of the Project

DATABASE AND BIOINFORMATICS COMMITTEE

Henning Hermjakob (EBI, UK), chair
David States & Volker Nowotny (Michigan)
Gordon Anderson (PNL)
Leigh Anderson (Plasma Proteome Institute, Washington DC)
Martin Blueggel (Protagen, Germany)
Michael Dunn (Institute of Psychiatry and Proteome Sciences, UK)
James Eddes (Australia)
Michael Niemi (IBM)
Karlheinz Rein (Tecan, Germany)
Jonathan Sheldon (Confirmant, UK),
John Cottrell (Matrix Science Ltd)
John Yates (Scripps)
Karl Clauser (Millenium)
Steve Oliver (Manchester Bioinformatics)
Jimmy Eng (Institute for Systems Biology)

The functions of the Database and Bioinformatics Committee are to:

- guide the development of appropriate bioinformatics data structures and databases for specimen-tracking, and for characterization of technology platforms and analysis methods compared in the pilot phase
- assure integration of data structures, data elements, and analytical methods between HUPO PSI at EBI and HUPO PPP
- review questionnaires and other requests for information to facilitate readily managed responses

- guide the analytical evaluation of results from the Pilot Phase and participate in PPP Workshops
- assist the preparations for later phases, including major studies of population cohorts and disease-oriented specimen banks

Other Committees in Formation

- a) Education and Training: Peipei Ping (UCLA), chair
- b) Population Cohorts/Specimen Banks: Gerard Siest (Nancy), chair
Stanislas Cohort (Nancy, France; Gerard Siest, chair); PLCO cohort (M. Tammemagi, Henry Ford Health System, Detroit, part of national NCI study); NCI/EDRN (Sudhir Srivastava, Bethesda); Chinese Academy of Medical Sciences (Xiaohang Zhao, Beijing); CARET (Omenn, Goodman, Thornquist, Seattle); Norwegian...
- c) Ethics and Governance: tie to HUPO Council Committees
- d) Publications: Omenn & Dunn, chairs---plan to publish results of Pilot Phase from each laboratory plus Project synthetic/comparative analyses in special issue of Proteomics (Wiley, Inc)