

Fostering international proteomic initiatives to better understand human disease



Human Proteome Organisation

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UPDATE ON HUPO'S PUBLICATIONS COMMITTEE

By all accounts, the joint meeting by HUPO Proteomic Standard Initiative (PSI) and HUPO Publications Committee on April 21, 2006 was enthusiastically attended by journals, proteomics-related equipment suppliers, funding agencies, and investigators. The three day conference consisted of plenary sessions, group meetings, and group discussions; all aimed at further development of the various HUPO PSI projects, all of which aim to increase the quality and accessibility of proteomic data in the public domain.

The group meeting and panel discussion held by the Publications Committee provided a forum to facilitate joint efforts from the technology developing vendors, scientists, and journals to address issues relating to proteomic data collection, analysis/annotation, and publication. Invited presentations on proteomic standard guidelines given by MCP (Dr. Robert Chalkley), PSI (Dr. Chris Taylor), and ISB (Dr. Eric Deutsch) stimulated

many in-depth discussions among all participating parties, including representatives from *Nature Methods*, *Nature Biotechnology*, *Cell*, *Proteome Science*, *Molecular and Cellular Proteomics (MCP)*, *Proteomics*, *Journal of Proteome Research*, *Omic*s, and key players of our industrial partners.

Establishing consensus on various existing guidelines (e.g., MIAPE by HUPO PSI, Paris guidelines by MCP, publication guidelines by *Proteomics*) and improving compatibility among formats (e.g., mzXML and PSI's mzData) were hot topics of the conference.

Dr. Henning Hermjakob, co-chair of HUPO PSI, Dr. Eric Deutsch, representing Dr. Ruedi Aebersold, co-chair of HUPO PSI, Dr. Randall Julian, co-chair of HUPO-PSI, Dr. Rolf Apweiler and Dr. Elizabeth Cooper from HUPO Headquarters, together with Dr. Sandra Orchard and Dr. Peipei Ping from HUPO Publications Committee, attended the meeting. Further details will be presented in a meeting report to *Proteomics*.

HUPO ROUNDTABLE DISCUSSION 2006

As part of the HUPO standards effort on which we have been reporting, a meeting of the HUPO Council members with the chairs and co-chairs of HUPO initiatives is being planned for July 2006 in Montreal, Canada.

Partly sponsored by Genome Canada and titled

"HUPO Roundtable Discussion 2006", the meeting will also bring together representatives from funding agencies world-wide, as well as representatives of several leading journals.

An account of this meeting will be made available on the HUPO website later this summer.



MESSAGE FROM THE PRESIDENT



Dear HUPO members,

The interest in HUPO from industry, foundations, and funding agencies just keeps on growing!

As ratified by HUPO's Executive Council, at least six HUPO labs in Germany, South Korea, Canada, and the United States will be participating in a collaborative discovery pilot project to determine the feasibility of applying complementary proteomic technologies to investigate the range of changes in the cerebro-spinal fluid (CSF) compartment that may occur at the early and/or mid-stages in Huntington's disease. This project will be funded by the New York City based **HighQ Foundation**.

HUPO's Executive Council also approved a collaborative project with a large biopharmaceutical company to develop and disseminate protein test standard sample. The goal of this project is to co-develop a test standard that can be used to benchmark proteomics platforms and serve as a start to develop more complex test standards to

support current efforts in biomarker discovery and the characterization of post translational modifications as a comprehensive, complete and accurate effort. A detailed press release will be sent out within the next few weeks.

At the PSI/Publication Committee meeting held in late April, 2006, there was broad agreement between all of the attendees that the eight guidelines developed by the journal *Molecular & Cellular Proteomics* (MCP) should be used as the framework for publishing proteomic data. Details regarding this meeting can be found within this HUPOST (need to put in the link). In addition, I would also like to add that MCP has once again graciously agreed to publish the Abstract book for HUPO's 5th Annual World Congress in Long Beach.

The HUPO Round Table Discussion 2006, will be taking place in Montreal, Quebec in early July. As the Scientific Opening of HUPO and the first meeting to launch HUPO's involvement in protein standards efforts, this

meeting will be attended by HUPO Council and Executive members, the Chairs and Co-chairs of HUPO's Scientific Initiatives, and representatives from industrial partners, international funding agencies, and journals. The outcome of this event will surely solidify HUPO's role in the development and implementation of proteomic standards efforts.

On another note, I would like to personally encourage everyone to become or renew his/her HUPO membership (<http://www.hupo.org/overview/membership/>) and to take advantage of early-bird registration fees for HUPO 5th Annual World Congress in Long Beach California (<http://www.hupo.org/congress/registration/>). By all accounts, this year's Congress, "Translating Proteomics from Bench to Bedside" will be the most widely attended HUPO Congress ever. Details of activities can be found in this edition of the HUPOST.

John Bergeron

FOCUS ON INITIATIVES

Recent publications

The HUPO website strives to keep track of publications of interest. Recently, two important papers resulting from research conducted under the HUPO umbrella were published in high profile journals, namely *Nature Biotech* and *Cell*

These articles can be viewed on <http://www.hupo.org/communications/publications/>

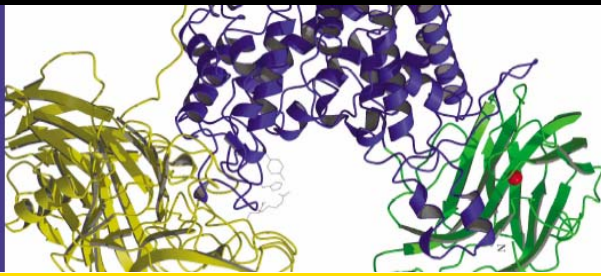
We invite our readers to visit our site regularly for publications of interest..



Human Proteome Organisation

Long Beach Convention Center,
California, USA

Saturday October 28th through
Wednesday November 1st, 2006



REGISTRATION IS NOW OPEN
ABSTRACT SUBMISSION OPENS
MAY 17, 2006!!!
PLEASE VISIT
WWW.HUPO2006.COM!!!!

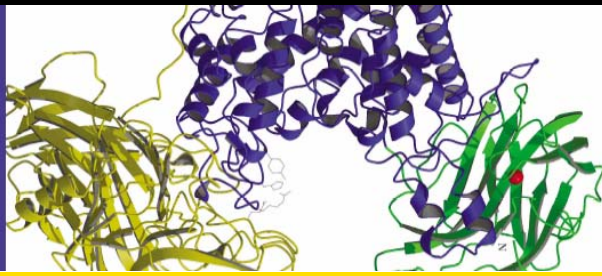
HUPO 5TH ANNUAL WORLD CONGRESS, LONG BEACH 2006
TRANSLATING PROTEOMICS FROM BENCH TO BEDSIDE

CO-SPONSORED BY HUPO & USHUPO
- PRE CONGRESS ACTIVITIES -

	Saturday October 28, 2006	Sunday October 29, 2006	
8:00 - 12:30	Educational Session/ Initiative Group Meetings	Educational Session	<p>Clinical Day</p> <p>Plenary Session: Current Issues In Clinical Proteomics</p> <p>Clinical Proteomics Study Design Proteomic Technologies For Biomarker Design Proteomic Technologies For Biomarker Validation Informatics Issues In Clinical Proteomics</p>
12:30 - 14:00	Educational Session/ HUPO Council Meetings		Lunch
14:00 - 18:30			<p>HUPO Initiatives: Biomarker Initiative Proteomics Standards Initiative Antibody Initiative Glycoproteomics Initiative Brain Proteomics Initiative Liver Proteomics Initiative Plasma Proteomics Initiative Mouse Model and Disease Proteomics Initiative</p>
18:30 - 21:00	Vendor Sponsored Dinner/Events	Vendor Sponsored Dinner/Events	Clinical Day Vendor Sponsored Dinner/Events



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HUPO 5TH ANNUAL WORLD CONGRESS, LONG BEACH 2006
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- SCIENTIFIC PROGRAM -

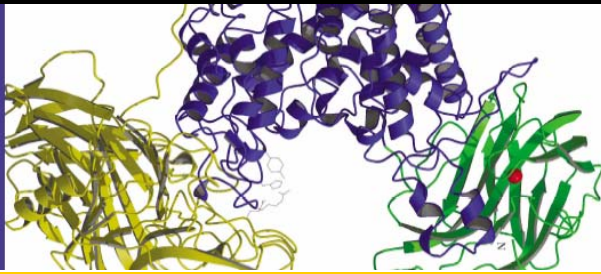
* Featured Symposium

UPDATED APRIL 27	Monday October 30, 2006	Tuesday October 31, 2006	Wednesday November 1, 2006
08:00 - 09:30	Opening Ceremony/ Keynote Address	Keynote Lectures II	Keynote Lectures IV
09:30 - 10:00	Coffee Break/ Posters	Coffee Break/ Posters	Coffee Break/Posters
10:00 - 12:30	Plenary Session: Clinical Proteomics/HUPO Initiatives	Pioneers in Proteomics * Human Disease Proteomics II Bioinformatics in Proteomics Membrane Proteins and Proteomics The UPS-Proteasome Complexes	Antibody Arrays and Protein Atlas * The Next Generation in Proteomics Systems Biology and Networks Single Molecular Detection The Mitochondrial Proteome
12:30 - 14:00	Posters/Vendor Workshops	Posters/Vendor Workshops	Posters/Vendor Workshops
14:00 - 16:30	Future Pioneers in Proteomics * Young Investigator Award Competition Mass Spectrometry I Metabolomics Human Disease Proteomics I Database For Proteomics	HUPO President Symposium: Cell Organelle Proteomics * Mass Spectrometry II Proteomics and Therapeutics Post-translational Modifications Stem Cell and Proteomics	Nanotechnology * Glycoproteomics Novel Technologies In Electrophoresis Diabetics and Metabolic Disorders Protein Arrays
16:30 - 17:00	Coffee Break/Posters	Coffee Break/Posters	Coffee Break/Posters
17:00 - 18:30	Keynote Lectures I	Keynote Lectures III	HUPO Awards/ Keynote Address/ Closing Ceremony
18:30 - 20:00	Evening Break/Vendor Sponsored Dinner/Event	Evening Break/Vendor Sponsored Dinner/Event	Congress Banquet
20:00 - 21:30	Workshops/Panel Discussions: NHLBI Workshop NCI Workshop Career Opportunities	Workshops/Panel Discussions: NCRR Panel Discussion Publications-PSI Panel Discussion Pharm/Biotech Liaison Panel Discussion	

Please visit the congress website regularly for the latest info about the program.



Human Proteome Organisation

Long Beach Convention Center,
California, USASaturday October 28th through
Wednesday November 1st, 2006

UPDATED INFO!!!!
WWW.HUPO2006.COM

New this year!!!! - HUPO Young Investigator Award

The HUPO Award Committee Announces "HUPO Young Investigator Award"

- * Applicants will be evaluated based upon the merit of their submitted abstracts as well as their career accomplishments.
- * Five finalists will be invited to give oral presentations at the Long Beach HUPO Congress.
- * The winner of the Award will be selected from the five finalists after their oral presentations.
- * The Award, which carries a certificate and an honorarium of \$1,000 will be presented to the winner at the Award Ceremony on Wednesday, November 1st, 2006.

Abstract Submission

OPENS May 17 2006!!!

Online Abstract Submission for Oral & Poster presentations at the HUPO 5th Annual World Congress will open May 17, 2006. Please visit the congress website: www.hupo2006.com

Abstract Submission Deadline: July 1st, 2006

Submission Categories

Bioinformatics in Proteomics
Database For Proteomics
Diabetics and Metabolic Disorders
Glycoproteomics
Human Disease Proteomics
Mass Spectrometry
Membrane Proteins and Proteomics
Novel Technologies In Electrophoresis
Post-translational Modifications
Protein Arrays
Proteomics and Therapeutics
Single Molecular Detection
Stem Cell Proteomes
Systems Biology and Networks
The Mitochondrial Proteome
The UPS-Proteasome Complexes

Registration Fees

Rates shown below are in US Dollars:

Early Bird Rate - Payment received before July 15, 2006.
Regular Rate - Payment received on or before September 1, 2006.
On-Site Rate - Payment received after September 1, 2006.

Congress Activities (Early Bird Rates)

(October 30 to November 1, 2006)

Student Rate \$200

Delegate Rate

HUPO Member \$400

Non-HUPO Member \$450

(October 28, 2006)

Educational Sessions

Student Rate - Daily \$75

Delegate Rate - Daily \$150

Congress Dinner

(November 1, 2006) \$30

(October 29, 2006)

Educational Sessions

Clinical Day

Industry Partners

HUPO Congress Sponsorship and Exhibitor prospectus are ready for viewing on line.

Hurry and reserve your space. Opportunities will go fast.

HUPO would like to thank

- Invitrogen for their Elite Sponsorship of the HUPO initiatives scientific meeting taking place during the Congress.
- Nonlinear Dynamics for the design of the www.HUPO2006.com and www.hupo.org web sites.

UPCOMING EVENTS

MAY

The 6th International Conference of the Canadian Proteomics Initiative
CPI 2006 - May 10-12, 2006 <http://cpicanada.org/announce/CPI2006.htm>
Workshops - May 13-14, 2006 <http://cpicanada.org/index.php?tutorials>



Canadian Proteomics Initiative

JULY

3rd Joint BSPR/EBI Proteomics meeting - "Integrative Proteomics: Structure, Function, Interaction"
Date: 12-14 July 2006

The Wellcome Trust Conference Centre, Hinxton, Cambridgeshire, UK
http://www.bspr.org/Next_meeting/Next_meeting.html

SEPTEMBER

Frontiers in Glycomics: Bioinformatics and Biomarkers in Disease

Date: September 11-13, 2006

Location: NIH Campus, Bethesda, MD

For further information, contact meeting coordinator Anna Crie at: annacrie@scripps.edu



HUPO WORKSHOPS AND COURSES

Four-day Proteomics hands-on workshop: "From Sample preparation to instrumentation"

In this course, students will be introduced to applications of proteomics and mass spectrometry in the context of several typical proteomics workflows.

Dates: **May 9-12 (registration deadline: Extended to May 4, 2006) !!!!!** and June 20-23, 2006 (registration deadline: June 6, 2006)

Location: University of Colorado Health Sciences Center, Denver, CO, USA

Clinical Proteomics: Applications and Techniques

In this 2.5-day course, a group of 9 students will learn introductory proteomics protocols and technologies in the context of specific clinical interests through a targeted, hands-on exploration of the various proteomics workflows.

Date: June 7-9, 2006 (Registration Deadline: May 24, 2006)

Location: University of Colorado Health Sciences Center, Denver, CO, USA

Bioinformatics in Mass Spectrometry based proteomics

This hands-on course focuses on bioinformatics and data interpretation with respect to mass spectrometric analysis in the field of proteomics.

Date: June 20-22, 2006

Location: University of Southern Denmark (SDU), Odense, Denmark

Course organizer: Ole Nørregaard Jensen

Course Sponsored by:



Introduction to Proteomics: Proteomics Applications of Mass Spectrometry.

In this web-based lecture course, students will be introduced to applications of proteomics and mass spectrometry in the context of several typical proteomics workflows.

Date: July 11 (Session I), 13 (Session II), 18 (Session III), 20 (Session IV), 2006. (registration deadline: June 27, 2006).

Location: Distant Learning Course from University of Colorado Health Sciences Center, Denver, CO, USA

To accommodate different time zones, each session is offered at two different times:

9:00 – 10:30 am and 5:00 – 6:30 pm (US Mountain Time)

For more info, please visit <http://www.hupo.org/educational/courses/>

ANNOUNCEMENTS

New President for US HUPO

Dr Michael Snyder of Yale University has been elected President of US HUPO

Dr Snyder is Professor and Chairman of Molecular, Cellular, and Developmental Biology, as well as Professor of Molecular Biophysics & Biochemistry.



Is your organization HUPO-affiliated yet?

The criteria for being a HUPO-affiliated national/regional organization were recently ratified by the HUPO Executive Committee.

The HUPO Headquarter staff sent out emails to representatives from numerous organizations and has received several replies thus far. We encourage all organizations to submit their forms as soon as possible. If your organization has not yet been contacted, please send an email to HUPO Headquarters and they will be happy to forward the requisite information.

The Criteria for being an affiliated organization, which can also be found at www.hupo.org, include:

- Must represent the interests of researchers either nationally or regionally (e.g. North America (such an organization would include Canada, USA, & Mexico), Asia, South Africa, North Africa (such an organization could include Morocco, Egypt, etc)
- Must have standards of inclusion, but not be exclusive
- Must host at least one scientific meeting per year
- Must have a membership base

HUPO ANNUAL WORLD CONGRESSES

6th Annual World Congress 2007: Seoul, Korea

From Proteomic Expression to Molecular Cellular Function

Venue: COEX Center, Seoul, Korea

Dates: October 6th to October 10th, 2007

Partners: HUPO, KHUPO and AOHUPO

Congress Chair: Young-Ki Paik

Co-Chairs: Young-Mok Park, Richard Simpson, John Bergeron



7th Annual World Congress 2008: Amsterdam, Netherlands



Venue: Amsterdam International Exhibition and Congress Centre (RAI)

Dates: August. 16th to August 21st, 2008

Partner: The Netherlands Proteomics Centre.

Congress chair: Albert Heck

MEMBERSHIP ALERT!!!

All founding HUPO members and those interested in joining HUPO are reminded that they can now register for membership on <http://www.hupo.org/overview/membership/>.

Membership is free for students .

Benefits of Membership include:

- Discount on Congress registration fees
- Early access to new technologies from Industrial Partners
- HUPO Training and Education Benefits
- Discounts from HUPO Industrial Partners

HUPO ACKNOWLEDGES THE GENEROUS SUPPORT OF ITS PARTNERS



CIHR IRSC
Canadian Institutes of Health Research / Instituts de recherche en santé du Canada
Institute of Genetics / L'Institut de génétique



CIHR IRSC
Canadian Institutes of Health Research / Instituts de recherche en santé du Canada
Institute of Neurosciences, Mental Health and Addiction / Institut des neurosciences, de la santé mentale et des toxicomanies



IRSC CIHR
Instituts de recherche en santé du Canada / Canadian Institutes of Health Research
Institut de la nutrition, du métabolisme et du diabète / Institute of Nutrition, Metabolism and Diabetes



CIHR IRSC
Institut des maladies infectieuses et immunitaires / Institute of Infection and Immunity

HUPO'S INDUSTRIAL PARTNERS



GE Healthcare



Human Proteome Organisation

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ADVERTISING AND SPONSORSHIP OPPORTUNITIES

If you wish to advertise in the HUPO newsletter or to find out about sponsorship opportunities, please contact:

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CONTRIBUTIONS WELCOME

The HUPO Newsletter aims to disseminate information throughout the proteomics community.

If you wish to contribute news, notices of events, or any other item, please feel free to forward it to HUPO Headquarters, using the link on the www.hupo.org website.

Any material submitted will be subject to approval by the HUPO Executive Committee and the Publications Committee.