

Fostering international proteomic initiatives to better understand human disease

SPECIAL FEATURE ON THE HUPO Educational and Training Initiative

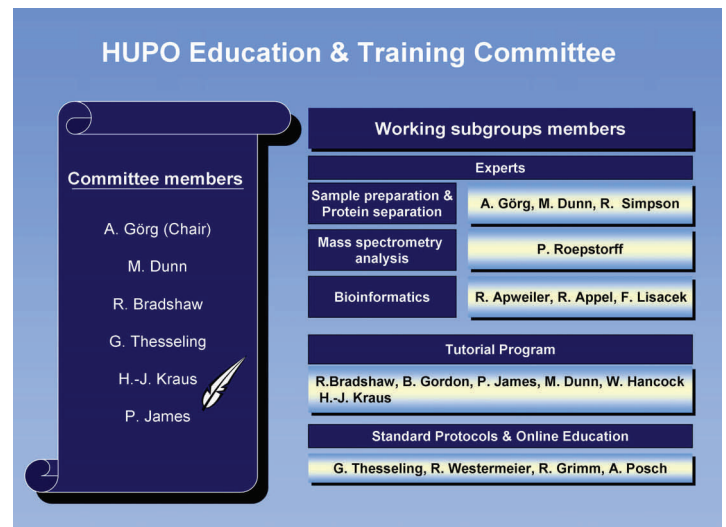
"The HUPO Education and Training Initiative will foster the development of educational programs centered on a global vision of proteomics research."

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Last summer in Munich, HUPO launched its Educational and Training Initiative. Among the several activities that HUPO carries out and supports, priority is given to the development of a global educational program to disseminate proteomics standards and sustain the collaborative research effort of the HUPO Initiatives.

We are happy to highlight the program in this issue of HUPOST (please also see pp.2-3).



The Committee and its working subgroups collaborate closely with HUPO Headquarters for the development and implementation of educational programs

MESSAGE FROM THE PRESIDENT



Happy New Year! I am pleased to announce that HUPO has put in place an extensive set of training and education programs that are highlighted in this edition of the HUPOST. The workshops, seminars, and hands-on classes scheduled in 2006, several of which are sponsored by HUPO's founding partner General Electric and other industrial partners such as Agilent and Invitrogen, will be expanded on in the coming years and will act as the mechanism through

which proteomic standards will be disseminated world wide.

This month, HUPO also received confirmation that four of the Institutes associated with the Canadian Institutes of Health Research (CIHR) will be supporting HUPO Headquarters' scientific coordination activities related to streamlining communication and standardization activities.

These Institutes include the Institute of Neurosciences, Mental Health and Addiction, the Institute of Genetics, the

Institute of Infection and Immunity and the Institute of Musculoskeletal Health and Arthritis.

I would like to express a special thank you and congratulations for all of the hard work of the Education and Training Committee, headed by Angelika Görg.

This work was built on the foundation of the outstanding scientific success of the 4th Annual HUPO World Congress in Munich, in September 2005, also managed by Angelika Görg and Matthias Mann.

The HUPO Educational and Training Initiative

A new field of research

The development of proteomics research has led to the expansion of new domains of expertise that require the immediate support of continuing education programs. In addition, as an emerging field, proteomics research needs to set up its standards, and this knowledge has to be delivered to the scientific community, likely through education.

Proteomics is a multidisciplinary field

In this integrated research field, the researchers need to be educated outside of their field of expertise. Already, a basic knowledge acquisition will facilitate greatly the communication between researchers from different domains of research. The quality of communication between collaborative research teams

remains the key to success.

Proteomics is a fast-growing field

The development of proteomics technologies is progressing rapidly and it has become a real challenge for the researchers to remain up-to-date with cutting-edge technologies. Also, the researchers leading proteomics efforts need to keep abreast of the technology development in more than one domain of research, thereby increasing the challenge.

Through the Educational and Training Initiative, HUPO is developing training solutions, based on the nature of this particular discipline and the current needs of the scientific community.

To assure the excellence of the HUPO training programs, HUPO has gathered in its Education and Training Committee, world leaders in the field of proteomics and education. The Committee and its working subgroups collaborate closely with HUPO Headquarters for the development and

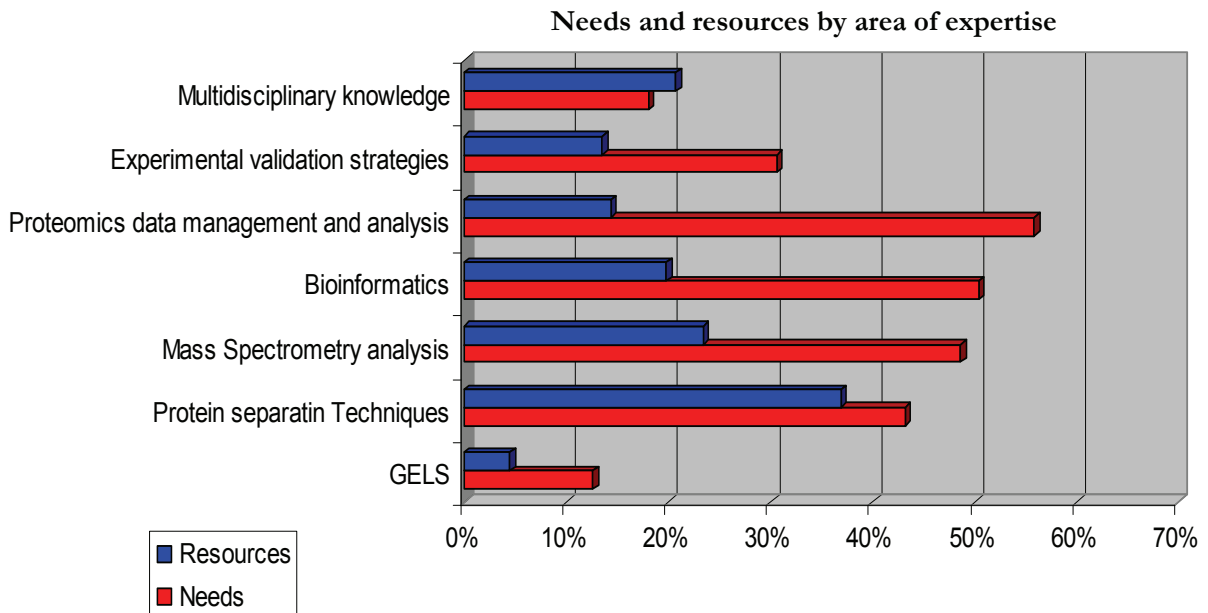
implementation of educational programs.

As a result, several training programs have already been selected for their excellence in proteomics and training. Information on the HUPO educational programs for 2006 will be soon available at <http://www.hupo.org/educational/>.

In a second phase, HUPO Educational and Training Initiative will offer newly developed educational programs based on the evolution of the field and the constant assessment of the community's needs through annual surveys and course evaluations. HUPO will then expand its educational resources, in terms of topic and/or location.

Consequently, HUPO will become the partner of choice for the creation of educational programs in proteomics.

HUPO Training Needs and Resources Annual Survey (March-August 2005)



Note: complete results of the Annual Survey (March –August 2005) will be soon available at <http://www.hupo.org/educational/>.

Institution	Course Leader	Description	Calendar	
Yonsei Proteome Research Center (Seoul, Korea)	Young-Ki Paik	Proteomics workshop. (one week) Lectures and hands-on training.	July 2006	
		Proteomics course (one day - small group or public workshop)	April 2006 and August 2006	
University of Colorado Health Sciences Center (Denver, CO, USA).	Nichole Reisdorph	Four-and five day proteomics hands-on workshop: From Sample Preparation to Instrumentation	6 sessions between March and October 2006	
		Introduction to Proteomics: Proteomics Applications of Mass Spectrometry (4 lectures of 90 min; web-based learning)	Course I March 2006	Course II July 2006
		Clinical Proteomics: Applications and techniques 2.5 -day hands-on workshop	June 2006	
University of Southern Denmark (Odense, Denmark)	Ole N. Jensen	Advanced course on MALDI MS and MALDI MS/MS. (5 days - lecture and hands-on)	September 2006	
		Bioinformatics in mass spectrometry-based proteomics (3-days course)	March 2006	
Institute for Systems Biology (Seattle, WA, USA)	Ruedi Aebersold	Proteomics informatics (5 days lecture and practical course)	To be announced	

HUPO Educational Programs proposed for 2006

Note: other training collaboration projects are in development with Yamaguchi University School of Medicine (Japan) and Pr. Kazuyuki Nakamura; Technical University of Munich and Dr. Angelika Gorg (Chair of the HUPO E&T Committee); McGill University (Genome Quebec) and Dr John Bergeron.

PEOPLE IN THE NEWS

Young-Ki Paik, Secretary General of HUPO and director of YPRC in Korea, has been selected to receive the Kyung-Am Academic Award.

This Award recognizes outstanding contribution to dissemination of

proteomics research in Korea, and his seminal discovery of daumone (dauer-inducing pheromone of *C. elegans*, Jeong et al., 2005, Nature, 433, 451-455).

The award consists of a plaque and award money of USD100,000 for

research.

Young-Ki served as President for the 1st and 2nd term (2001-2005) of KHUPO, which was founded as HUPO's first national society on July 24, 2001.



HUPO ACKNOWLEDGES THE GENEROUS SUPPORT OF ITS PARTNERS



Canadian Institutes of Health Research
Institute of Genetics

Instituts de recherche en santé du Canada
L'Institut de génétique



Canadian Institutes of Health Research
Institute of Neurosciences, Mental Health and Addiction

Instituts de recherche en santé du Canada
Institut des neurosciences, de la santé mentale et des toxicomanies



Canadian Institutes of Health Research
Institute of Nutrition, Metabolism and Diabetes

Instituts de recherche en santé du Canada
Institut de la nutrition, du métabolisme et du diabète



Canadian Institutes of Health Research
Institute of Infection and Immunity

Institut des maladies infectieuses et immunitaires

HUPO'S INDUSTRIAL PARTNERS

GE Healthcare

As one of the founding partners in HUPO, General Electric Health Care (GEHC) would like to congratulate HUPO on its recent successes. We look forward to continuing to play an important role in future HUPO activities.

Click [HERE](#) to access GE's website



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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.

UPCOMING EVENTS

FEBRUARY

5th HUPO BPP Workshop - February 15-16, 2006 [\[details\]](#)
University College, Dublin, Ireland

US HUPO 2006

Second Annual Conference
March 12-15 2006
Sheraton Hotel—Boston MA, USA

Abstract Submission



MARCH

 **World Microarray Congress 2006** March 24-25, 2006
Vancouver, Canada

[\[details\]](#)



March 30-31, 2006

6th Annual KHUPO Conference
“From Bench to Clinical Applications”
Konkuk University, Seoul, Korea

Distinguished invited speakers include John J. M. Bergeron, Rolf Apweiler, Raymond J. Deshaies, Eugene. Kapp, Helmut E. Meyer, Peipei Ping, Jan E. Schnitzer, Richard J. Simpson and David W. Speicher.

APRIL

Joint PSI and Publications Committee Meeting, April 21-23, 2006
Details to be announced on www.hupo.org.

HLPP 3rd

Location: Bilbao, Bizkaia, Spain
Dates: May 4-5, 2006
Organizer: José M. Mato – CIC bioGUNE

Fundación BBVA



MAY



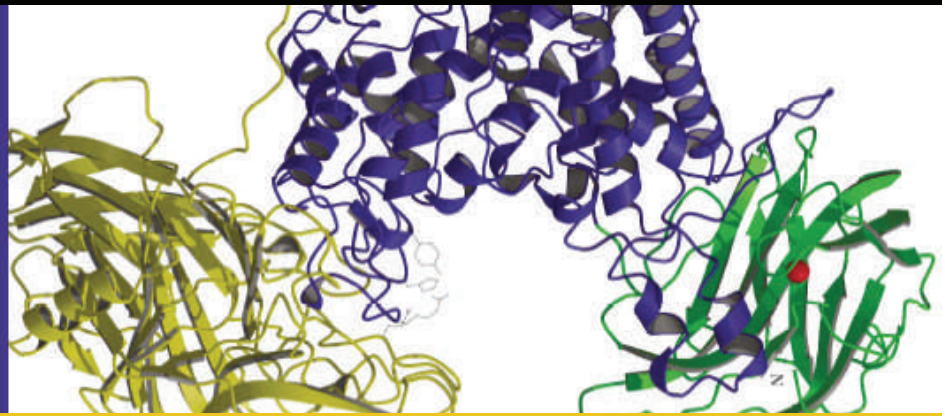
CIC 
bioGUNE
Biozientzietako Ikerkuntza Kooperatiboko Zentroa
Centro de Investigación Cooperativa en Biociencias



Human Proteome Organisation

Long Beach Convention Center,
California, USA

Saturday October 28th through
Wednesday November 1st, 2006



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

CO-SPONSORED BY HUPO & USHUPO

ABSTRACT SUBMISSION CATEGORIES

1. Proteomic Technologies

- Mass Spectrometry
- Protein Arrays
- Protein Separations
- Nanotechnology
- Single Molecule Detection
- Post translational Modifications

2. Organelle Proteomics

3. Medical, Clinical, and Pharmaceutical Proteomics

- Disease Proteomics
- Diagnostic and Prognostic Proteomics
- Biomarkers/Signatures

4. Structural Proteomics

5. Bioinformatics

6. Metabolomics

7. HUPO Initiatives

THE SCIENTIFIC PROGRAM OF HUPO 2006 CONGRESS INCLUDES:

- A three-day Congress consisting of plenary and parallel sessions
- A one-day pre-congress clinical session: HUPO Clinical Day / HUPO Initiatives sessions (NEW!!!)
- A two-day pre-congress education session

THE WEEK AT A GLANCE:

Saturday, October 28, 2006

- Registration opening
- Educational Sessions

Sunday, October 29, 2006

- Clinical Day/HUPO Initiatives
- Educational Sessions
- Welcome Reception

Monday, October 30, 2006

- Congress Activities

Tuesday, October 31, 2006

- Congress Activities
- Congress Dinner

Wednesday, November 1, 2006

- Congress Activities

THE CONGRESS ORGANIZATION

Congress Co-chairs:

Peipei Ping, UCLA School Of Medicine,
Los Angeles, CA

John Yates, Scripps Research Institute,
La Jolla, CA

SCIENTIFIC PROGRAM COMMITTEE

Co-Chairs of Scientific Program Committee

Peipei Ping, UCLA School Of Medicine,
Los Angeles, CA

John Yates, Scripps Research Institute,
La Jolla, CA

Chairperson of HUPO Clinical Day

Samir Hanash, Fred Hutchinson
Cancer Institute, Seattle, WA

CONGRESS ORGANIZING COMMITTEE

Local Organizing Committee/Abstract Review Committee:

Peipei Ping, UCLA

John Yates, Scripps Institute

Kym Faull, UCLA

Joseph Loo, UCLA

Thomas Vondriska, UCLA

Andrew Watson, UCLA

Julian Whitelegge, UCLA

Austin Yang, USC

Benjamin Cravatt, Scripps Institute

MARK YOUR CALENDAR!!

**ABSTRACT SUBMISSION
DEADLINE: 15 JULY 2006**

**REGISTRATION OPENS
IN FEBRUARY 2006**

**KEEP WATCHING
WWW.HUPO2006.COM!!!!**