



Fostering international proteomic initiatives to better understand human disease

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## President's Message

Colleagues, It's a really exciting time to be in *proteomics*. As incoming HUPO President, my aim is to move HUPO in dynamic directions, whilst addressing outstanding challenges we already know confront us. As Henry Ward Beecher said “we should not judge people by their peak of excellence; but by the distance they have traveled from the point where they started”. Let's celebrate coming so far but remember we have much of the journey ahead of us.

Firstly, let me welcome new HUPO, Council and Executive Committee members. I encourage you to all be as active in our society as you possibly can be. We owe much of the progress we enjoy to efforts of past leaders, and might I personally thank our past-President Pierre Legrain for the legacy he has left us. I also pass on heartfelt thanks to those who served on HUPO EC (in particular Gil, Bill, Maxey and Catherine) and those who have now retired from Council. Some stood aside after serving maximum sequential terms or to open spots for new blood. It's testimony to their generosity that many took on mentoring, advising our younger members now elected to serve – thanks so much.

Now for the HUPO news.

After a due diligence search by past/present ECs, HUPO selected International Conference Services Ltd (ICS) as our new professional management team (ICS; <http://www.icsevents.com>). We welcome Chelsea Prangnell, Jenn Abbott and Mathias Posch to the HUPO family. Equally, we are deeply thankful for the efforts of Judith Sjoberg and Jennifer Watson from SAM whose professional management services and advice often went far beyond what we expected - you will both always be a part of the HUPO family. I believe we were in good hands with SAM and am equally confident our future looks bright because we're in good hands with ICS.

HUPO's structure is that a Council and Executive Committee provide direction through specific “committees” that run management matters and “initiatives & pillars” that coalesce scientific matters under our flagship, the **Human Proteome Project (HPP)**. The past year has been typified by committee renewal. Many new chairs have been appointed (e.g., Emma Lundberg – Membership; Henning Hermjakob – NEC; Martin Larsen – Awards; Garry Corthals – E&T; Mike Synder – IAB; ) and the composition and specific aims/briefs of committees have also been revisited. Please visit the HUPO website to see all these new arrangements and so you know who to contact.

With Young Blood/Mentoring program now well underway, HUPO anticipates and looks forward to many new ideas being tabled in 2015. Please let HUPO Councillors know if you have any ideas, feedback or suggestions, as these are the lifeblood of the society. Council continues to explore the core issue of ensuring HUPO's financial security, including possibly entering a preferred PCO agreement. Now that society management transition is completed, discussion around this topic will continue at the next Vancouver HUPO Council meeting.

Last year, we held our most successful HUPO Congress ever. Strong registration numbers, combined with a high-quality program, detailed provocative sessions around the Human Proteome draft maps by the Pandey and Kuster groups respectively and discussion around how the HPP should move forward, ensured a spirited world-class meeting. Fernando Corrales and his team combined great science with a fantastic social, cultural and culinary experience with their magical Spanish hospitality. Finally, I can report the Congress made an outstanding financial return for HUPO. This bodes well for future investments in strategic areas considering as a priority. “*Bien hecho*” to Fernando and his team of inspired Spaniards! And of course, we had opportunity to remember and celebrate the life of Juan Pablo Albar, our great mate and colleague.

Collectively, there is unequivocal data demonstrating the critical importance of proteomics in all aspects of human existence. The HPP continues to go from strength to strength under Gil Omenn's leadership. Last year the importance of encouraging *ProteomeXchange* (i.e., PXD) data submission showed that we really can “*speak the same language*” as this strategy allows re-analyses and vigorous discussion around requisite data quality and clearly demonstrated the impact of groups making major data submissions.

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**Bronze Level**



PXD data submission is now considered mandatory for many proteomics journals and one could see this trend expanding to non-specialist journals.

Also, the much-anticipated recent release of the Human Proteome tissue map in *Science* in January was a momentous achievement. I have asked Mathias and Emma to highlight the work in this HUPOST issue. The impact of proteomics is demonstrated by success of annual Congresses, many HUPO-sponsored Human Proteome Project (Biology/Disease and Chromosome) workshops, the continued vibrancy and impact of the outstanding regional (East, West and Central) and country proteome societies affiliated with HUPO and by the thousands of high-impact publications generated in all areas of biology, technology, biotech and pharmaceuticals.

Please keep an eye out for core communication channels including quarterly HUPOST and updates posted through soon-to-be rationalised HUPO/HPP websites, the HUPO LinkedIn group and (hopefully) Facebook - as it is likely that we will be seeking your opinion. Thank you for your support of HUPO. Please make the most of your membership. Encourage peers, postdocs and students to join the HUPO family. Emma and the Membership Committee continue to explore ways to communicate to a broad scientific audience and to build on our current base. This year we have many posts to be filled on HUPO Council, so if you feel that you have new ideas and would like to "have a go" please get involved and run as a candidate.

HUPO World Congress updates.

**HUPO2018** Western (Pan-American) Region call for congress bids have now gone out to all proteomics societies on HUPO's database, with a deadline for submission being May 15, 2015.

**HUPO2017** Dublin (Central) MOU between the British Proteomics Society and HUPO has now been signed, MCI have been appointed Congress PCO and the Convention Centre Dublin in the delightful Dublin Docklands area as the preferred site to hold the Congress.

**HUPO2016** Taipei (Eastern) MOU with Taiwan Proteomics Society and Academia Sinica is signed, Elite PCO has been appointed Congress PCO, venue and dates settled by local organising committee set as Sept 19-22, 2016 at the Taipei International Convention Center.

**HUPO2015:** Finally, our next celebration of proteomics will be the 14th Annual HUPO World Congress ([www.HUPO2015.com](http://www.HUPO2015.com)) hosted by the Canadian National Proteomics Network. HUPO2015 is scheduled **September 27–30, 2015 at the Vancouver Convention Center, British Columbia, Canada.**

I hope to see you this September at HUPO2015 in Vancouver.  
Best wishes for a successful 2015,

**Mark Baker, HUPO President**

**Mark Baker  
President**

Macquarie University,  
NSW, Australia



## HUPO EXECUTIVE COMMITTEE 2015

**Michael Snyder  
Vice President**  
Stanford University,  
USA



**Pierre Legrain  
Past President**  
Institut Pasteur,  
France



**Bruno Doman  
Treasurer**  
Luxembourg Clinical  
Proteomics Center,  
Luxembourg



**Gyorgy Marko-Varga  
Secretary General**  
Lunds Univeritet,  
Sweden



**Yu-Ju Chen  
Member at Large**  
Academia Sinica  
Taiwan



**Emma Lundberg  
Member at Large**  
KTH Karolinska  
Institutet, Sweden



## HUPO COUNCIL Call for Nominations

The HUPO Council consists of up to 48 scientists who represent the three global regions of Eastern (Asia-Oceania), Central (Europe-Africa), and Western (the Americas). A Council term is three years.



The Nominations and Elections Committee is chaired by **Henning Hermjakob** (European Bioinformatics Institute). The Committee is seeking nominees for terms that start January 2016.

To nominate a colleague or yourself, submit a brief biographical sketch (education, current affiliation and position, major research interest) and assurance of the nominee's willingness to stand for election.

**Nominations are due by May 1.** Email to [office@HUPO.org](mailto:office@HUPO.org). The list of current Council members is posted to [www.HUPO.org](http://www.HUPO.org).

## HUPO AWARDS Call for Nominations

The Awards Committee chaired by **Martin Larsen** (University of Southern Denmark) is accepting nominations for the 2015 HUPO Awards. Nominations should be submitted by May 8 to [office@HUPO.org](mailto:office@HUPO.org).

Nominees should be currently active in proteomics except in the rare case of an "inspiring, historical" figure. The nomination process is simple – A brief form is posted to [www.HUPO.org](http://www.HUPO.org).



**Distinguished Achievement in Proteomic Sciences Award (\$3,000, sponsored by Journal of Proteomics Research)** recognizes a scientist for distinguished scientific achievements in the field of proteomic science. Recipient will present a brief talk in the Congress award session.

**Discovery in Proteomic Sciences Award (\$3,000)** recognizes a scientist for a single discovery in the field of proteomics. Recipient will present a brief talk in the Congress award session.

**Science and Technology Award (\$3,000, sponsored by the HUPO Industrial Advisory Board)** recognizes an individual, or team (of up to three people) in private industry who played a key role in commercialization of a proteomics technology, product or procedure.

**Translational Proteomics Award (\$3,000, sponsored by Elsevier)** recognizes a scientist for distinguished achievements in the field of translational proteomics science. Recipient will present a brief talk in the Congress award session.

**Distinguished Service Award** recognizes an exemplary member of the proteomic research community whose dedicated service has made indispensable contributions to the organization and mission of HUPO.

[www.HUPO.org](http://www.HUPO.org)

## THE BUILDING BLOCKS OF LIFE

The **Human Protein Atlas**, supported by the Knut and Alice Wallenberg foundation in Sweden, is mapping all human proteins to their location in the body.

The project, which was initiated a decade ago, has engaged researchers from many different disciplines and to date annotated over 13 million images showing the localization of our proteins in the human body on a cellular and sub-cellular level. All images and data are publicly available at the web portal, [www.proteinatlas.org](http://www.proteinatlas.org).



More than 24,000 antibodies have been used to analyze the 20,344 protein-coding genes and the proteomes of 32 major tissues and organs have been explored.

This data is being used to perform genome-wide analyses of the human proteome and sub-proteomes, such as the secretome and membrane proteome, the druggable proteome, and the cancer proteome. The full analysis was reported in *Science* on January 23, 2015.

Uhlén, M. et al., 2015. Tissue-based map of the human proteome. *Science*, 347(6220), pp.1260419–1260419. [www.sciencemag.org/content/347/6220/1260419](http://www.sciencemag.org/content/347/6220/1260419)

Tove Alm, PhD  
Head of Communications HPA  
Human Protein Atlas

## HUPO WORLD CONGRESSES

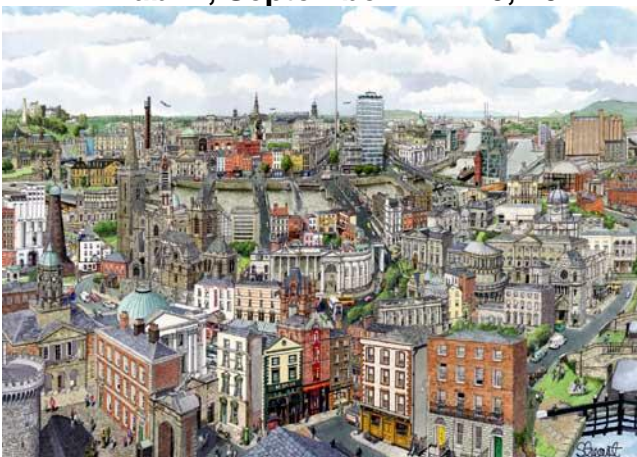
Vancouver, September 27 – 30, 2015



Taipei, September 18 – 22, 2016



Dublin, September 17 – 20, 2017



## Dublin Selected



HUPO Executive Committee selected Dublin from among several strong applications from our European colleagues to host the 2017 World Congress. The venue will be the ultra-modern Convention Centre Dublin, Ireland's multi-award winning marvel that sits on the banks of the River Liffey in Dublin's Docklands. This central Dublin location is only 20 minutes from Dublin Airport and within easy walking distance of Dublin's many hotels, restaurants and visitor attractions. Six spacious foyer levels offer panoramic views of the city. Since opening in 2010, the venue has achieved world-wide recognition for its exceptional service and state-of-the-art facilities.

The Dublin application was submitted by **Stephen Pennington** (University College of Dublin), **Andrew Pitt** (Aston University) and **Walter Kolch** (Conway Institute and Systems Biology Ireland) on behalf of the British Society for Proteome Research (BRPR) in conjunction with European HUPO (EuPA).



Stephen Pennington and Pierre Legrain sign the official Memorandum of Understanding (MOU) between HUPO and the BSPP to hold the HUPO World Congress in Dublin.

## 2018 HUPO WORLD CONGRESS Call for Applications

The 2018 HUPO World Congress is looking for a home in the Americas! Any legally constituted national or regional proteomics organization may apply.

The timeline for application and selection is:

- **May 15, 2015:** Deadline for receipt of proposals. Proposals will be evaluated and voted by the HUPO Executive Committee
- **June 30, 2015:** Notice of decision will be sent to applicants. Successful applicant will be sent Memorandum of Understanding (MOU).
- **September 30, 2015:** Deadline for finalized MOU signed by both parties. If no MOU is finalized, HUPO reserves the right to select another proposal.

The application is posted to [www.HUPO.org](http://www.HUPO.org).

### HPP: Vancouver

HPP investigators and teams will continue the productive meetings and activities of the Madrid Congress in Vancouver.

- September 27, 2015: Pre-Congress HPP General Leadership Meeting
- September 28, 29 and 30, 2015: 7:30 – 9:00 AM, daily sessions
- October 1, 2015: Post-Congress Workshop, Simon Fraser University in Vancouver.



The HPP is sponsoring the **Early Career Researcher Initiative (ECR)**.

Chaired by **Jenny Van Eyk** (Johns Hopkins University), ECR has organized a pre-conference mentoring day on September 27. The program is an opportunity for young researchers to meet and network with senior scientists.

In addition ECR has opened a manuscript writing competition for post-doctoral fellows (Ph.D. awarded post Jan 2010), junior faculty members (appointment post Jan 2012) and young clinicians (MD awarded post Jan 2009). The applicant must be a member of HUPO and be a significant contributor to the manuscript submitted. The manuscript must be original research that is not yet published at the time of submission. **The deadline for submission is June 1, 2015.** Decisions will be announced by August 1. Full details and the application are posted to [www.HUPO2015.com](http://www.HUPO2015.com).

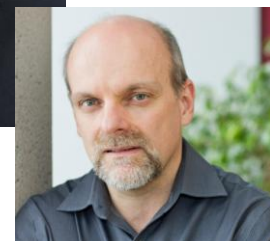
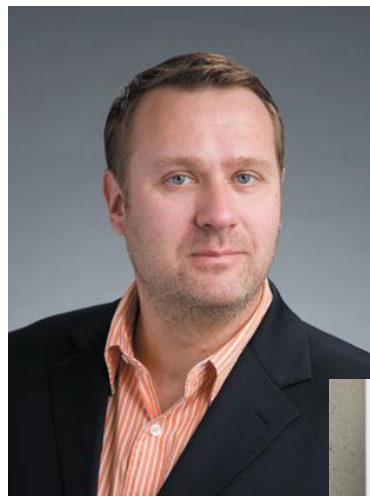


Vancouver is an exceptional location for the HUPO 2015. It is renowned as one of the world's outstanding convention cities, with the sparkling Pacific Ocean and towering Coast Mountains providing a unique and spectacular setting. The Congress will be held in the East Building of the Vancouver Convention Centre right under the famous sails and perched on the edge of the bay.



Watch [www.HUPO2015.com](http://www.HUPO2015.com) for program updates.

Christoph Borchers and Pierre Thibault look forward to greeting you in Vancouver.



## HUPO Committees

HUPO committees provide valuable leadership to HUPO in many areas.

- **Awards** (Martin Larsen, Chair) solicits and reviews the nominations of individuals submitted by the membership to honor deserving members of the proteomics community world-wide.
- **Education & Training** (Gary Corthals and David Muddiman, Co-Chairs) is being re-focused to develop training and educational programs and materials such as brochures and posters.
- **Ethics** (Pierre Legrain, Chair) reviews activities of HUPO for any potential conflict of interest and provides guidelines and information on scientific ethics as needed.
- **Finance** (Bruno Domon, Chair) reviews the HUPO budget and financial assets to advise the Treasurer on allocation of funds and project support.
- **HPP** (Gilbert Omenn, Chair) manages and tracks the activities of the Human Proteome Project and dissemination of information through workshops and publications.
- **Industrial Advisory Board** (Michael Snyder, Chair) identifies and facilitates ways for corporate partners to support the proteomics community.
- **Membership** (Emma Lundberg, Chair) develops ways to attract new members and retain existing members through the development of membership value and benefits.
- **Nominations and Elections** (Henning Hermjakob) develops a slate of candidates for HUPO Council from each of the three global regions and manages an online election.
- **Publications** (Yu-Ju Chen, Chair) develops standards in publishing related to proteomics and develops agreements with scientific journals to promote HUPO.

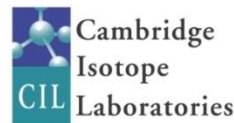


## Industrial Advisory Board

The HUPO Industrial Advisory Board (IAB) facilitates communication and input from industry partners to support the proteomics community and to recognize these partners as HUPO affiliates. To provide HUPO leadership (the Executive Committee) valuable input on technology and product innovation for the benefit of members and to identify industry trends that will position HUPO to meet the future challenges of its partners and organization. Please contact [office@hupo.org](mailto:office@hupo.org) for details on IAB membership.



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