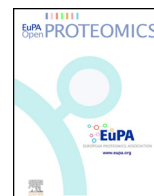




Contents lists available at ScienceDirect

EuPA Open Proteomics

journal homepage: www.elsevier.com/locate/euprot

Editorial

Proteomics: Back to the future



Milano EXPO2015. Six months of great world exposition in Milan, the city of design, arts, engineering and science. A unique time and place for EuPA to merge past and future of proteomics with the EXPO leading theme: '*Feeding the Planet, Energy for Life*'. Proteomics was coming 'back to the future' passing through the modern concept of '*One Health* approach' (Fig. 1).

The choice to have the 9th Annual EuPA meeting coinciding with EXPO2015 was not unintentional. The local Italian organizing committee had the strong desire to celebrate this great world event together with the entire EuPA scientific community. This way proteomics was showcased during this worldwide event as a full-blown science with potential important impact on everyday life.

The Italian Proteomics Association (ItPA) started to prepare this grand congress 4 years ago, organizing different satellite events not only all around Italy (from Turin, over Viterbo to Napoli), but also in Madrid (Spain), Berlin (Germany), through Busan (South Korea), interlinking results of proteomic investigations in the field of nutrition, from animal welfare to food safety and global health, with particular emphasis on the mitochondrial action of the HPP (mt-HPP) headed by the Italian Proteomics community.

The congress itself started June 23, 2015, in the middle of the EXPO area, with an international symposium of the Chromosome Centered Human Proteome Project (C-HPP), hosted by the Italian Mt-HPP consortium. The rest of that week, the meeting continued in the amazing Rectorate of University of Milan, which once was a monumental health care complex. This building, known to the

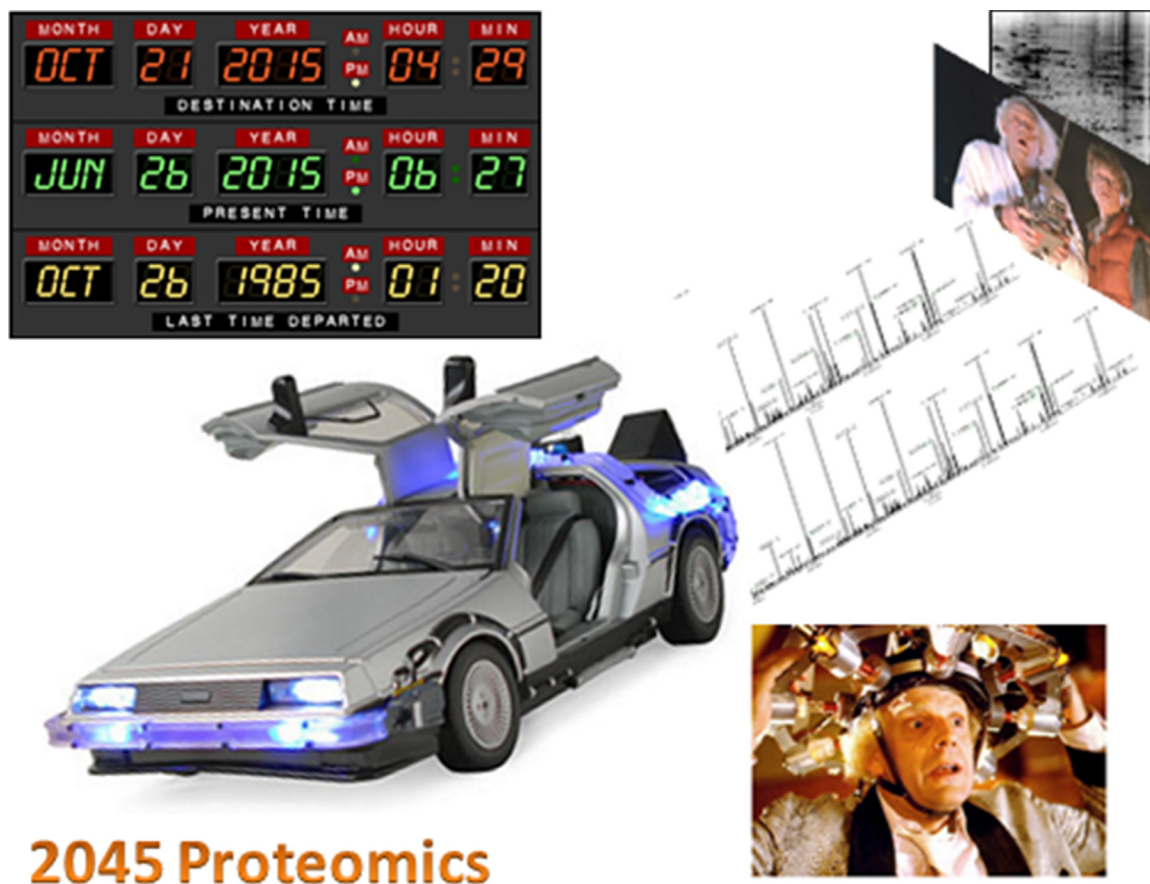
people of Milan as *Ca' Granda*, was founded in 1456 by the Sforza family and realized by the architect Filarete who combined in a single large building the many little hospitals scattered around the city.

During EuPA2015 in Milan, a common framework was provided for exchange between the fast advancing challenges in the Human Proteomics field and those in comparative (non-Human) proteome investigations.

In particular, in collaboration with various European Commission of Science and Technologies (COST) actions, several initiatives during the Congress promoted the interplay between the two different worlds, focusing, on the one hand, on global health (*One Health*) proteomics, and, on the other hand, on novel proteomics technological advances.

COST Action BM1403 co-organized a scientific session and an educational program which were a clear example of integration of the challenging field of 'Native Mass Spectrometry' with the Proteomics community at large, while COST Action BM 1104 presented advancements in the 'Imaging Mass Spectrometry' session, a highly innovative field on the verge of clinical health-care applications.

Moreover, EuPA2015 also hosted representatives from other COST actions: FA14002, focusing on 'Food Allergies' and FA1002, 'Farm Animal Proteomics', together with Member Chairs of BM 1308, sharing advances on 'Large Animal Models', and TD 1404, network for 'Evaluation of One Health'.



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Fig. 1. Doc: “The way I see it, if you’re gonna build a mass spectrometer into a car, why not do it with some style?”.

Finally, EuPA 2015 accommodated the 2015 mt-HPP workshop with contributions covering several aspects of the role of mitochondrial proteins in biology and disease.

This special issue of EuPA Open Proteomics was setup during EuPA2015 as a forum for both clinical proteomics investigations and non-human proteome studies highlighting the role of Proteomics in the *One Health* vision.

We were especially pleased to see the work of many of our young generation proteomicists being submitted, either as complete pieces of research, but often as communications of highly interesting work in progress. With this unique combination this special issue is offering an unprecedented window to society of several fundamental as well as applied advances of today’s as well as tomorrow’s Proteomics research.

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Available online 27 April 2016