

**in this issue**

Message from the president.....	1
Taking EuPA into the future with new initiatives.....	3
EuPA members activities	
– Finnish Proteomics Society (FinnProt).....	4
Journal of proteomics - EuPA's Journal is growing rapidly	5
4th EuPA Meeting / 6th ProCura Meeting	
– General announcement.....	6
– EuPA course day "Experimental design in proteomics".....	7
– Educational workshop "Pathway analysis in proteomics".....	8
– Educational workshop "Phospho- and ADP-ribo-protein sequencing".....	8
– 2010 Proteomics Photo & Graphic-Art Contest.....	8
Joint meeting: Groupe de Contact FNRS Proteomique & COST Action.....	9
Upcoming events.....	11
Next EuPA events.....	11
About this bulletin.....	12

**message from the president**

Welcome to the third issue of the Bulletin of the European Proteomics Society (EuPA). I do hope that you continue to find the content of the EuPA Bulletin of interest and that it is a good way for us to keep you abreast of current EuPA activities. In this issue of the Bulletin I would like to summarise some of the discussions and decisions during the recent meeting of the EuPA Executive Committee held in Paris (France) on 19th May 2010.



As I discussed in issue 2 of the EuPA Bulletin, the main role of our Vice-President, Gyorgy Marko-Varga, is to increase the visibility of EuPA in Europe and beyond, to promote EuPA by interactions with European and world-wide organisations, and to work with the other EC members to reach current aims and to develop the future strategy of EuPA. Over the last few months, Gyorgy has had discussions both with the representatives of the various EuPA member proteomics societies and with several European institutions in order to identify areas of opportunity in which EuPA can be pro-active in developing new initiatives. Following

extensive discussion at the Paris meeting, the EC decided to establish a new EuPA Operating Committee, chaired by Gyorgy, and named the "EuPA Development Committee". In this issue of the Bulletin you can read an article by Gyorgy describing the proposed initial activities of this new Committee which will focus on three main areas: Standardisation, BioBanking and Tissue Imaging Mass Spectrometry.

Education in proteomics continues to be a major EuPA activity, and Garry Corthals presented the plans of the Education Committee for a range of hand-on courses (including liquid chromatography, 2-DE, bioinformatics, and mass spectrometry) to be held up to mid-2010. However, the long-term sustainability of this programme of practical courses is critically dependent on the availability of financial resources, and this is currently being addressed by the Funding Committee. EuPA is also active in other educational activities, such as the European Summer School in Proteomics, which this year is once again being held in Kloster Neustift (Brixen/Bressanone, South Tyrol, Italy) from 1-7 August 2010 (<http://www.proteomic-basics.eu/>). The topic of this year's Summer School is "Proteomics Basics: High-Throughput Data Analysis and Statistics". The future of the Summer School beyond 2010 is currently uncertain, but we hope that the Funding Committee will also be able to factor such activities into their financial plans. Details of the EuPA Educational Programme in proteomics for 2011 and beyond will be available via the EuPA web site (<http://www.eupa.org/>).

Concha Gil, Chair of the Conferences and Communications Committee, reported on EuPA's various activities in this area. The EuPA journal, Journal of Proteomics (Elsevier), continues to flourish and is currently being published in 12 issues during 2010. There is optimism that the first Impact Factor for the journal, due to be announced soon, will reflect the quality of papers that are being published in the journal. An excellent programme has been prepared for the 4th EuPA Annual Congress which will be held in Estoril (Portugal) from 23-27 October 2010. Of course, the success of the meeting is critically dependent on the delegates attending. I would therefore urge those of you who have not yet registered to visit the meeting web site (<http://eupa2010.fc.ul.pt/>) to register and submit your Abstract. Plans are also in place for the 5th Annual EuPA Congress which will be held jointly with the 10th HUPO Annual World Congress (Geneva, Switzerland, 4-7 September 2011: <http://www.hupo2011.com/>), and the 6th Annual EuPA Congress (Glasgow, Scotland, UK, 3-6 June 2012). Bids are currently being sought from EuPA Member Societies to host the 7th EuPA Annual Congress (2013) and the 8th EuPA Annual Congress (2014, again to be a joint event with HUPO) and decisions on these bids will be taken at the meeting of the EuPA General Council to be held in Estoril (24 October 2010).

Thierry Rabilloud, Chair of the EuPA/HUPO Relations Committee, reported that the HUPO Tutorial Programme (<http://www.proteomicstutorials.org/>), coordinated by Peter James as described in issue 2 of the Bulletin, has now been established. Some 30 authors have already agreed to contribute articles to this series, which will be published in the four major proteomics journals (Journal of Proteomics, Proteomics, Molecular and Cellular Proteomics, and Journal of Proteome Research). The first articles in the series should be published later in 2010. The EC, at Thierry's suggestion, decided to recommend that EuPA Member Societies should provide travel bursaries to young scientists to attend the 2010 EuPA Annual Congress in Estoril and/or the 2010 HUPO Annual World Congress in Sydney. I would therefore

recommend that you keep an eye out for announcements concerning these bursary opportunities on your National Society web site.

I hope that you will find this third issue of the EuPA Newsletter both interesting and useful in keeping you abreast of the activities of EuPA and its Member National Societies. The Newsletter is available on-line via the EuPA web site (<http://www.eupa.org/>). It is also distributed electronically to all National Societies which are Members of EuPA, for distribution to their individual members and for posting on their own society web sites.

Finally, just a reminder that you should register for the 4th EuPA Annual Congress in Estoril (<http://eupa2010.fc.ul.pt/>), where I look forward to meeting you from 23-27 October 2010.

**Mike Dunn**

President of EuPA  
Michael.Dunn@ucd.ie

---

## TAKING EUPA INTO THE FUTURE WITH NEW INITIATIVES

I am very pleased and happy to have the 73rd volume, Issue 6 of Journal of Proteomics (Elsevier), the official EuPA journal, printed as a 3rd EuPA Congress Volume, presenting scientific contributions from the Stockholm meeting. I believe the 26 contributions nicely reflects some of the science presented at the Congress.



In addition, we have been able to build a EuPA science database, where ALL, of the submitted short papers within the 3rd EuPA Congress Proceedings can be found at: <http://www.eupa.org/EuPA2009/>

During the last 4 months I have been interacting with many of you, members in the different National Societies, as well as with several European institutions, looking for new initiatives that we could build within EuPA as an organization. My ambition as the Vice President is to open up new opportunities and initiatives that is timely, has a high unmet need, with a potential that can bring us as an organization closer and making us stronger.

As a resulting outcome of this work, I presented these three new areas of initiatives at the Executive Council meeting the 19:th of May in Paris, and got a support to drive this forward for a presentation and hopeful approval at the General Council meeting in Estoril the 24:th October. The areas are:

1. Standardization initiative, where we would like to develop reference material, as well as develop and utilize reference methodologies and protocols to be used throughout Europe.  
- Juan Pablo Albar would take the lead here.
2. BioBanking initiative. We would like to follow up and develop capabilities for biological materials to be archived and stored for global and European access. An

initiative promoted by EU, as well as large National Societies.

- Åsa Wheelock would take the lead here.

3. Tissue Imaging Mass Spectrometry, is an area of increasing importance and interest, that is applicable for larger molecules such as proteins and peptides, for biomarker signatures. The technology also offers an ability to identify low molecular weight drugs, that can be localized in tissue.

- Per Andren and Peter Verhaert would take the lead here.

**Gyorgy Marko-Varga**

President of the Swedish Proteomics Society  
gyorgy.marko-varga@analykem.lu.se

---

### eupa members activities

- Finnish proteomics society ( Finnprot )



Finnish Proteomics society (FinnProt, [www.finnprot.org](http://www.finnprot.org)) was founded 2004 as the proteomics division of the BioBio society (Societas Biochemica, Biophysica et Microbiologica Fenniae). The mission of FinnProt is to make proteomics research readily available for the larger scientific community in Finland, promote research and education in proteomics and protein chemistry, and act as the official Finnish collaborative body to international proteomics organizations.

Since 2006 FinnProt has organized an annual meeting with national and international speakers. The only exception was year 2009 when FinnProt acted as co-organiser of the EuPA meeting that took place in Stockholm. Our last annual meeting in Riihimäki, April 14-16 2010, gathered around 60 participants and six international speakers. For the first time, one of the talks was given via Skype, due to the volcano eruption and the cancellation of several flights.

To be more approachable to students in proteomics, FinnProt organized a Student Day 2008 in Turku. The day was a huge success with over 40 PhD-students and Post-Docs attending the scientific discussions, and ever valuable peer support. Based on the feedback from students, we have decided to organize more courses in proteomics. Last fall we organized a two-day course on "Principles of Biological Mass Spectrometry" for the larger scientific community and "Bioinformatics and Biostatistics for Proteomics" aimed at proteomics PhD-students and Post-Docs. The Student Day 2009 was organized as a poster session in the end of the Bioinformatics course.

The FinnProt board is elected every second year, and the current board was elected in April 2010. At the same time the board was divided into separate advisory and executive boards as proposed by the previous board. The biggest change was the "retirement" of our esteemed President, Tuula Nyman, who held the position from the beginning of FinnProt. She continues in the advisory board. The function of the advisory board is to give advice, ideas and support to the executive board. The executive board is responsible of organizing the events and courses. The new FinnProt president, selected from the executive board, is Suvi Ravela. She will also

function as the EuPA representative.

To continue the successful proteomics education FinnProt will organize again two courses next autumn; "Data mining and statistical analysis in biological sciences – R", with practical exercises, in September, and "Mass Analyzers in Biological Mass Spectrometry" in November. The next Student Day will be held in the Spring of 2011. The focus of future Student Day's will be more educational, on different aspects of proteomics and PhD-studies while the annual FinnProt meetings concentrate on the scientific aspects. We hope to continue to bring the Finnish proteomics community together for education, science and fun.

**Suvi Ravela**  
FinnProt Chair  
Suvi.Ravela@helsinki.fi

---

## Journal of proteomics - euPa's Journal is growing rapidly

### *Rapid growth*

The *Journal of Proteomics* is currently entering its third year of publication and it is therefore appropriate to reflect on the first two years and celebrate some of the successes.

The first issue of this new journal, a partnership between EuPA, its member societies and the publisher Elsevier, appeared in print in May 2008, just over two years ago. For the remainder of that first (broken) year, a total of 50 articles were published, which resulted already in 176 citations during the following calendar year (a ratio of 3.5 citations per article). Twenty percent of these articles were cited even more than 10 times, illustrating the high quality of the submissions.

In 2009, a total of 136 articles were published, many of which have already been well cited according to SCOPUS, the leading citation database, so the upward trend can be expected to continue. During the first four months of 2010, already 94 new articles appeared online. The journal is expected to double its number of published pages this year from 1000 pages in 2009 to 2000 printed pages in 2010. In the meantime, the rejection rate for original articles is approaching 60%, allowing the editors to select only the very best articles for publication.

If you wish to see which articles are best downloaded and cited, please visit ScienceDirect's Top 25 Hottest article overview for the last quarter at <http://top25.sciencedirect.com/> and subscribe to receiving a quarterly email to update you on what's hot.

### *Author Feedback*

Our authors overwhelmingly remarked positively on the many aspects of their publishing experience with us, and ranked the journal on par with PROTEOMICS but still a little behind *Journal of Proteome Research*. There is a nice challenge for the Editors to work with the Editorial Board and ad hoc referees to continue to reduce editorial handling time and a rejuvenation of the editorial board planned for 2010

should be a first good step in that direction. Production speed is ranked positively, with accepted articles appearing in PubMed within 5 working days and citeable through their unique DOI number.

### *Pipeline*

With the *Analytical Proteomics* special just published, there are two more thematic issues in the pipeline for the second half of 2010 that promise to be highly interesting and topical. There is a *Cancer Proteomics* thematic issue with the first articles already available through the Articles in Press section of the journal on ScienceDirect. The second issue will be on *Model Organisms in Proteomics* and will include many articles by the leading authorities in each area. If you subscribe to the ScienceDirect email or RSS Alert, you will be notified as soon as these appear online.

The *International Proteomics Tutorial Programme* is expected to be officially announced soon and should be another exciting development for the journal. It is a co-operation between selected journal publishers in the field of proteomics on the one hand, and HUPO and its affiliated regional and national organizations. The tutorials will be published in the top 4 proteomics journals: Journal of Proteome Research, Journal of Proteomics, Molecular and Cellular Proteomics, and Proteomics, and will consist of a review/teaching article with an accompanying talk slide presentation for classroom teaching.

### *Sponsored access*

Starting March 2010, the *Journal of Proteomics* offers authors the option to sponsor non-subscriber access to their articles on Elsevier's electronic publishing platforms. For more information please view our *Sponsored Articles* page: <http://www.elsevier.com/wps/find/authors.authors/sponsoredarticles>.

The visibility of the journal is guaranteed also through its wide circulation to 6102 subscribing accounts worldwide.

### *How you can contribute*

The Editors welcome submissions of high quality in all areas of proteomics, including plant and animal proteomics and bioinformatics. Submissions can be directed to <http://ees.elsevier.com/jprot/> where you will also find detailed instructions on how to submit artwork, videos and graphical abstracts. If you have ideas for future webinars, podcasts, video or other novel formats, we like to hear from you. Your feedback and suggestions are most welcome and can be submitted to the Editor-in-Chief, Professor Juan J. Calvete at [jcalvete@ibv.csic.es](mailto:jcalvete@ibv.csic.es).



Adriaan Klinkenberg (Publisher)



Juan J. Calvete (Editor-in-Chief)

4th EUPA meeting / 6th ProCura meeting. 2010 Proteomics Odyssey towards next decades - 23-27 October 2010, Estoril, Portugal



**2010**  
**PROTEOMICS**  
**ODYSSEY**  
TOWARDS NEXT DECADES

4th EuPA MEETING  
6th ProCura MEETING  
23 - 27 OCTOBER 2010  
ESTORIL - PORTUGAL

The European Proteomics Association (EuPA) and The Portuguese Proteomics Network (ProCura) invite you to *The 4th EuPA Meeting that will be held conjointly with The 6th ProCura Meeting* from 23 to 27 October 2010, in Estoril, Portugal.

*"2010 – A Proteomic Odyssey Towards Next Decades"*  
<http://eupa2010.fc.ul.pt/>

Speakers and the attendees are invited to share and discuss their personal overview on proteomics advances during this 21st Century's first decade as well as their expectations and future challenges in their particular research field for the next decades.

This year *Lunch Roundtables Sessions on 20 different biological/technical proteomics subjects (25th and 26th October)* will be provided. The idea is to put together senior investigators and students to discuss particular proteomics issues. *(This is a limited attendance session. Admission by pre-registration and ticket only).*

*Pre-Meeting Educational Activities* in connection with the meeting will take place:

- *EuPA-Course Day on "Experimental Design in Proteomics"*, chairs: Peter James & Garry Corthals (23rd October 2010, Hotel Estoril Éden)
- *Educational Workshop pre-meeting session* (24th October, Estoril Congress Center):
  - *"Pathway Analysis in Proteomics"*, chair: Roman Zubarev.
  - *"Phospho- and ADP-ribo-Protein Sequencing"*, chairs: Dave Goodlett, Nick Morrice and Garry Corthals.

#### *Important dates*

16 August 2010 Abstract deadline  
31 August 2010 Notification of acceptance  
10 September 2010 Early Bird Registration  
23-27 Oct 2010 Meeting

*We look forward to meeting you in The 4th EuPA Meeting 2010 in Estoril-Portugal !*

**Deborah Penque**  
Local organizer  
deborah.penque@gmail.com

---

## EUPA course day “experimental design in proteomics” - 23 October 2010, Estoril, Portugal

Chairs: Peter James & Garry Corthals

The course is designed to give a clear overview of the new guidelines regarding experimental design that the Proteomics journals have all laid down. The talks will cover practical approaches to defining the types of error sources and how this defines the number and type of replicates that are needed to be able to reach a valid conclusion (Power analysis of a pilot experiment). An overview will be given on which type of statistical tools are appropriate to handling a particular data set and how to define a data analysis flow. The day finishes with a practical demonstration of how to manage large datasets and how they may be validated. Finally a guide will be given on how to fulfil the publication requirements of Journals in submitting data to data repositories.

---

## educational workshop “pathway analysis in proteomics” - 24 October 2010, Estoril, Portugal

Chair: Roman Zubarev

Pathway analysis (PA) is a relatively novel and rapidly growing area in proteomics. The term has two meanings: a) deciphering the structure of signaling pathways and protein interaction networks, and b) application of the vast existing knowledge of signaling pathways to high-level interpretation of the proteomics data. It is this second, analytical meaning of PA that the workshop is devoted to. The aim of analytical PA is to convert quantitative data on the expression levels of thousands of proteins into the quantitative signaling status of the cells. By comparing signaling status of a Case and a Control, conclusions can be made as to what processes are being activated and deactivated, which is far more relevant from the biological standpoint than a long list of up- and down-regulated proteins. But the ultimate goal of PA is to provide a working, quantitative model of the process under investigation. In that model, the input is the proteomics data and the output is the quantitative prediction of the process status, which can be assessed independently of proteomics. Being applied to diseases, PA intends to provide predictive models based on the known signaling machinery. Such models should not only give verifiable predictions, e.g. the disease status and outcome, but will also provide the insight into the underlying molecular mechanisms. That vision of the role of PA in biology and medicine is yet to be fully implemented in practice. Where we are now, and how to proceed further – these are the questions that will be debated on the workshop.

---

## educational workshop “phospho- and adp-ribo-protein sequencing” - 24 October 2010, Estoril, Portugal

Chairs: David Goodlett, Nick Morrice and Garry Corthals.



In this workshop we will describe methods that have been successfully used to enrich and detect phosphorylated and ADP-ribosylated peptides. Assigning the sites of these post-translational modifications from MS/MS spectra can be very challenging and in this workshop we will describe methods and the bioinformatic tools that make this job easier. Primarily we will concentrate on the assignment of protein phosphorylation and ADP-ribosylation sites from the tandem MS spectra acquired on both electrospray and MALDI-TOF-TOF mass spectrometers. We will also show the differences in fragmentation patterns observed when using different fragmentation pathways such as CID and ETD in ion traps as well as CID in the HCD cell of an orbitrap or Q-TOF instrument.



## 2010 PROTEOMICS PHOTO & GRAPHIC-ART CONTEST

The Portuguese Proteomics Associations, REDE-PROCURA & 'Viver a Ciência' together with The European Proteomics Association (EuPA) promote a contest of "PROTEOMICS PHOTOGRAPHY & GRAPHIC ARTS" to distinguish the best image associated with scientific research or technology in the field of Proteomics. The contest is open to scientists as well as to non-scientists interested in science.

The objective is to explore the artistic value produced during the process of proteomics research providing the general community an original perspective on what/why/how proteomics is crucial for health and disease understanding (from microorganisms to plants and man), in this post-genomic era.

By combining the photographic art showcase with a short context explanation, we expect to catch and consolidate general public interest in Proteomics Science.

The author of the winning entry will be awarded 1000€ and the work published in the cover of a *special issue of Journal of Proteomics*.

For more information (regulation, application form) regarding the contest please visit the EuPA Meeting 2010 website <http://eupa2010.fc.ul.pt/>.

**Joint meeting: Groupe de contact FNRS Proteomique & COST action: plant proteomics in europe. systems biology and omic approaches - may 5-7th, 2010, namur, belgium**

The joint meeting between the "Plant Proteomics in Europe" (COST Action FA 0603) and Belgian "Groupe de contact du FNRS" took place in Namur at the Arsenal (Rue Bruno, 11) from May 5th to May 7th 2010.

Day 1 and 2 (May the 5th and 6th) were organized according to COST Action rules and, Day 3 (May 7th) according to the FNRS Contact Group ones. This two way organization extended to the financial assistance rules.



In total 97 participants out of them, 34 will be reimbursed by COST organization attended the meeting. They come from 19 countries (Belgium, Czech Republic, Denmark, Estonia, France, Finland, Germany, Italy, Luxembourg, Lithuania, New Zealand, Norway, Poland, Portugal Slovakia, Slovenia, Sweden, Switzerland, The Netherlands).

There have been 65 contributions, with 29 presented as oral communications and, the rest as posters.

All the contributions have been organized according to the topic covered by the invited speakers in relation to the main theme of the meeting:

- i) Proteomic examination of stress-induced cell death in an Arabidopsis model system, J.EASON;
- ii) The chloroplast kinase network: new insights from large-scale phosphoproteome profiling, S. BAGINSKY;
- iii) Quantitative Mass Spectrometry as a Tool for the Study of Plant Proteomes B. Warscheid; Revisiting mitochondrial evolution and chloroplast physiology using organelle proteomics, N. ROLLAND;
- iv) Characterization of single chain antibody targets through yeast two hybrid, J-C. RAIN
- v) In vivo analysis of protein-protein interaction by split-YFP and split-luciferase, JD FAURE,
- vi) Hierarchical sequence of post-translational modifications controls the HTLV-1TAX-mediated activation of NF-kappaB pathway, F BEX.

The EC meeting was held on May 5<sup>th</sup>.

The scientific program was accompanied by a social program including a gala dinner (May 6<sup>th</sup>) and guided visits to the city of Namur and to the Felicien Rops museum.

**Sergio Mauro**  
Local organizer  
mauro@cra.wallonie.be

---

## upcoming events



More information at: <http://www.bspr.org/>

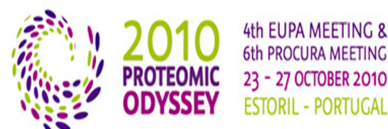
September 6-10, 2010 – Aveiro, Portugal  
Proteomics workshop 2010 and Hands-on Proteomics course  
[http://masspec.web.ua.pt/Proteomics\\_course/](http://masspec.web.ua.pt/Proteomics_course/)



September 6-8, 2010 – Marseille, France  
27<sup>th</sup> congress meeting of the French Proteomics Society  
<http://map.univmed.fr/sfeap2010/>



October 23-27, 2010 – Estoril, Portugal  
4<sup>th</sup> EuPA Annual Scientific Meeting – 6<sup>th</sup> PROCURA meeting  
<http://eupa2010.fc.ul.pt/>



December 1-2, 2010 – Basel, Switzerland  
SPS PhD Student Symposium  
<http://www.swissproteomicsociety.org/symposium/2010.html>



---

## next eupa events

September 3-7, 2011 – Geneva, Switzerland  
10<sup>th</sup> HUPO World Congress – 5<sup>th</sup> EuPA Annual Scientific Meeting – 8<sup>th</sup> SPS scientific meeting  
<http://www.hupo2011.com/>



June 3-6, 2012 – Glasgow, Scotland  
6<sup>th</sup> EuPA Annual Scientific Meeting – 9<sup>th</sup> Annual BSPR meeting  
<http://www.bspr.org/>

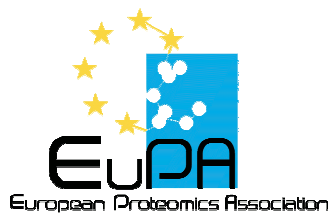


---

## about this bulletin

This bulletin is the official newsletter of the European Proteomics Association. A quarterly online publication edited by the EuPA Conference and Communication Committee. Through short articles it aims at being the vehicle for the dissemination of the EuPA and the different Proteomics National Society activities and initiatives, its committees, and representatives. It also expects to be a forum for discussion and ideas exchange on all areas of proteomics. It may contain information on "who is who in proteomics" (research groups, scientists), books, papers, databases, and announcements of meetings, courses, thesis and job offers.

You are more than welcome to contribute to this bulletin content, please send your contribution by **September 15<sup>th</sup>** to be included in the next issue.



<http://www.eupa.org/>

## editors



### **Jesús Jorrín Novo**

University of Cordoba, Spain  
bf1jonoj@uco.es



### **Christine Hoogland**

Swiss Institute of Bioinformatics  
christine.hoogland@isb-sib.ch