

Saturday, October 23, 2010

Pre-Meeting

EuPA Educational Course:

(Local: Hotel Estoril Eden, Estoril)

Admission by pre-registration and ticket only, lunch will be provided

Experimental Design in Proteomics

Organizers: Peter James & Garry Corthals, EuPA-Education Committee

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| 9:30 am | Opening Reception |
| 10:00 am | Introduction to Experimental Design Peter James, University of Lund, Sweden University |
| 11:00 am | Introduction to statistical data analysis Marianne Sandin, University of Lund, Sweden University |
| 12:00 am | Lunch break |
| 1:00 pm | When to do what? Creating a data analysis workflow Marianne Sandin, University of Lund, Sweden University |
| 2:00 pm | Data management and validation: how to handle data from large experiments using open source tools. Validation of identification search results at different levels. Frederick Levander, University of Lund, Sweden University |
| 3:00 pm | Coffee Break |
| 3:30 pm | Publication of data and making use of published data: how to fulfil the publication requirements in data reporting; how to make use of data repositories. Frederick Levander, University of Lund, Sweden University |
| 4:30 pm | Handling false discovery rates Eugene Kolker, Seattle Childrens Hospital, Seattle, USA |
| 5:30 pm | Course Adjourns |
| 6:00pm - 8:00pm | EUPA General Council Meeting (Open only for National Representatives) Local: Palacio Estoril Hotel |

Sunday, October 24, 2010

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| 9:00 am - 3:00 pm | EUPA General Council Meeting (cont.) <i>(Open only for National Representatives)</i> Local: Palacio Estoril Hotel |
| 9:30 am | Registration Desk Opening at Estoril Congress Center (ECC) |
| Pre-Meeting EuPA Educational Workshops <i>Admission by general meeting registration with no extra-charge</i> Local: Estoril Congress Center | |
| 10:15 am - 12:00 am | Workshop I Pathway Analysis Roman Zubarev , Karolinska Institutet, Sweden Mikhail Savitski , Cellzome, Heidelberg, Germany Jürgen Borlak , Inst of Toxicology & Experimental Medicine, Germany |
| 12:00 am - 1:00 pm | Lunch Break |
| 1:15 pm - 3:00 pm | Workshop II Phospho- and ADP-ribo-protein sequencing David Goodlett , University of Washington, USA Nick Morrice , The Beatson Institute for Cancer Research, UK Garry Corthals , Turku University, Finland |
| Meeting Official Opening at ECC | |
| 4:00 pm - 4:20 pm | Welcome EuPA & Rede ProCura Presidents |
| EuPA Young Investigator Award Session <u>Moderators: G Corthals, coordinator of EuPA-EC and Concha Gil, Coordinator of EuPA-CCC</u> | |
| 4.20 pm - 4:35 pm | ¹⁵ N ISOTOPE EFFECT DURING METABOLIC LABELING OF ESCHERICHIA COLI PROTEINS (PF1) Michaela D. Filiou , Germany |
| 4.35 pm - 4:50pm | PROTEOMICS DISCOVERY AND VALIDATION OF BETA-2-MICROGLOBULIN AS A POWERFUL STAGING MARKER FOR SLEEPING SICKNESS (PG48) Natalia Tiberti , Switzerland |
| 4:50 pm - 5:05 pm | CAPTURE COMPOUNDS AS GENERIC TOOLS TO PROFILE SMALL MOLECULE-PROTEIN INTERACTIONS IN FUNCTIONAL PROTEOMICS (PJ3) Jenny J. Fischer , Germany |
| 5:05 pm - 5:20 pm | PURIFICATION OF O-GLCNAC PEPTIDES USING PHOSPHATE-BASED ALKYNE CLICK CHEMISTRY, TIO2 CHROMATOGRAPHY AND MS (PJ22) Benjamin L. Parker , Denmark |
| Plenary I (Opening Session) <u>Moderator: G Marko-Varga</u> | |
| 5:30 pm - 6:15 pm | PROTEOMICS: WHERE NOW, WHERE NEXT? Marc R Wilkins University of New South Wales, Sydney, Australia |
| 6:30 pm | Welcome Reception (Estoril Congress Center – Hall) |

Monday, October 25, 2010

Plenary II

Moderator: N Morrice

8:30 am - 9:10 am

SELECTED REACTION MONITORING FOR THE QUANTITATIVE ANALYSIS OF CELLULAR NETWORKS

Paola Picotti

IMSB, Swiss Federal Institute of Technology, Zurich

Topic A

Proteomics Experimental Design, Biospecimens and Sample Preparation

Moderators: A Bachi & P James

9.10 am - 9:30 am

PROTEOMICS EXPERIMENTAL DESIGN, SAMPLE PREPARATION AND PROTEIN/PEPTIDE STABILITY IN A CLINICAL SETTING

Peter James

Protein Technology, University of Lund, Sweden

9:30 am - 9:50 am

PROTEOMIC CHARACTERIZATION OF MICROVESICLES FROM NPCS IN PHYSIOLOGICAL AND PRO/ANTI INFLAMMATORY CONDITIONS

Angela Bachi

Istituto Scientifico San Raffaele, Milan, Italy

9:50 am - 10:00 am

DISRUPTION OF FUNCTIONAL NETWORKS IDENTIFIES DRUG MECHANISMS OF ACTION (OC26-PG55)

Jacques Colinge, Austria

10:00 am - 10:10 am

MASS SPECTROMETRIC ANALYSIS OF THE HUMAN T-CELL SECRETOME; IL-2 AS PROOF-OF-PRINCIPLE (OC1-PA17)

Inez Finoulst, Netherlands

10:10 am - 10:20 am

USE OF FILTER-BASED SAMPLE PREPARATION WITH DIMETHYL LABELING TO IDENTIFY & QUANTIFY MEMBRANE PROTEINS IN MILK (OC2-PA18)

Jing Lu, Netherlands

10:20 am - 10:30 am

SEARCH FOR NOVEL FLUORESCENT PROTEINS IN MARINE ORGANISMS (OC3-PA19)

Katarzyna Wojdyla, Denmark

10:30 am - 11:00 am

Coffee Break (in Exhibit hall)

Poster Session I

(Authors of **Even numbered Posters** will be present to discuss their work)

Visit Exhibits

Topic B

Innovations on Subcellular Fractionation, Protein/Peptide Separation, Enrichment & MS Techniques

(Sponsored by BIO-RAD)

Moderators: Ronald T Hay & K Mechtler

11:00 am - 11:20 am

DISCOVERING MOZART SHOWS FULL POWER OF MULTIPROTEIN COMPLEX ANALYSIS

Karl Mechtler

Institute of Molecular Pathology, Vienna, Austria

11:20 am - 11:35 am

FLUORESCENT LABELLING OF FUNCTIONAL SUB-PROTEOMES USING CAPTURE COMPOUNDS (OC5-PB11)

Thomas Lenz, Germany

11:35 am - 11:50 am

GLOBAL PROTEOME SURVEY: A MOTIF SPECIFIC PEPTIDE CAPTURE TOOL FOR PROTEOME PROFILING (OC6-PB12)

Niclas Olsson, Sweden

11:50 am - 12:05 am

SELECTIVE IDENTIFICATION AND QUANTITATION OF NEWLY SYNTHESIZED PROTEINS IN LPS STIMULATED MACROPHAGES (OC7-PB13),

Jeroen Krijgsveld, Germany

12:05 am - 12:20 am

ASSESSMENT OF ITRAQ QUANTIFICATION ON LTQ ORBITRAP INSTRUMENTS (OC8-PO10)

Sandrine Uttenweiler-Joseph, France

12:30 am - 2:30 pm

Lunch Break (in Exhibit hall)

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| | Informal Poster Viewing Visit Exhibits |
| 12.30 am - 2:30 pm | Luncheon RoundTables Admission by pre-registration and ticket only. Moderators's names will appear in the Final Program. Lunch will be provided |
| 12:35 am - 13:30 pm | <u>Thermo Fisher Scientific Lunch Seminar</u> |
| Topic C Imaging Mass Spectrometry <u>Moderators: G Corthals & R Heeren</u> | |
| 2:30 pm - 2:50 pm | A NEW VISTA ON BIOMOLECULAR SURFACES WITH IMAGING MASS SPECTROMETRY Ron Heeren FOM-Institute for atomic & Molecular Physics, Amsterdam, Netherlands |
| 2:50 pm - 3:10 pm | CLINICAL PROTEIN DIAGNOSIS AND IMAGING MASS SPECTROMETRY DEVELOPMENTS WITH AN EMPHASIS ON LUNG CANCER AND COPD György Marko-Varga Lund University, Sweden |
| 3:05 pm - 3:20 pm | IMAGING MASS SPECTROMETRY OF MYXOID SARCOMAS FINDS PROTEINS AND LIPIDS SPECIFIC TO TUMOR TYPE AND GRADE, AND REVEALS INTRATUMOR HETEROGENEITY (OC9-PC8) Liam McDonnell , Netherlands |
| 3:20 pm - 3:35 pm | FINE MAPPING THE SPATIAL DISTRIBUTION AND CONCENTRATION OF UNLABELED DRUGS WITHIN TISSUE MICRO-COMPARTMENTS (OC10-PC6) Per Andrén , Sweden |
| 3:35 pm - 3:50 pm | ADVANTAGES OF IMPROVED MS RESOLUTION AND ION-MOBILITY RESOLUTION FOR LIPID ANALYSIS IN MALDI IMAGING (OC11-PC5) Therese McKenna , United Kingdom |
| 3:50 pm - 3:05 pm | SPATIAL SEGMENTATION OF IMAGING MASS SPECTROMETRY DATA WITH EDGE-PRESERVING IMAGE DENOISING AND CLUSTERING (OC12-PC7) Herbert Thiele , Germany |
| 4:05 pm - 4:35 pm | Coffee Break (in Exhibit hall) Poster Session I (Authors of Even numbered Posters will be present to discuss their work) Visit Exhibits |
| Topic D Proteomics in Plants <u>Moderators: J Jorrin & W Weckwerth</u> | |
| 4:35 pm - 4:55 pm | GREEN SYSTEMS BIOLOGY – FROM GENOMES, METABOLOMES AND PROTEOMES TO ECOSYSTEMS Wolfram Weckwerth Molecular Systems Biology, University of Vienna, Austria |
| 4:55 pm - 5:15 pm | TRANSLATIONAL PLANT PROTEOMICS: FROM THE LAB TO THE FIELD/TABLE Jesús Jorrin Universidad de Córdoba, Spain |
| 5:15 pm - 5:30 pm | PROTEOMICS OF SOMATIC EMBRYOGENESIS IN THE MODEL LEGUME BARREL MEDIC (<i>MEDICAGO TRUNCATULA</i>) (OC42 PD19) André Martinho de Almeida , Portugal |
| 5:30 pm - 5:45 pm | PRECISION PROTEOME COVERAGE AND DYNAMIC RANGE OF ARABIDOPSIS PROTEOME ANALYSES USING THREE LABELING APPROACHES (OC14-PD20) Borjana Arsova , Germany |
| 5:45 pm - 6:00 pm | IMPACT OF CADMIUM STRESS ON VACUOLE PROTEOME EVALUATED BY RELATIVE QUANTIFICATION USING SRM (OC15-PD21) Jarno Nolwenn , France |
| 6:00 pm - 6:15 pm | CHANGES IN PROTEIN PHOSPHORYLATION AND ABUNDANCE IN A DROUGHT SENSITIVE RICE MAP KINASE MUTANT (OC16-PD22) Sophie Alvarez , USA |

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| Plenary III Moderator: A-C Gavin | |
| 6:20 pm - 7:00 pm | ACCURATE QUANTIFICATION OF ENTIRE PROTEOMES Juergen Cox Max Planck Institute for Biochemistry, Martinsried, Germany |
| 7:05 pm - 7:50 pm | Waters Technical Workshop and Drinks Reception INCORPORATING ION MOBILITY SEPARATIONS INTO LABEL-FREE QUANTITATIVE PROTEOMICS T McKenna & J Connolly , Waters Corporation, Manchester, UK |
| 7:05 pm - 8:00 pm | Rede PROCURA (RT Room) |

Tuesday, October 26, 2010

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| Plenary IV Moderator: PG Righetti | |
| 8:30 am - 9:10 am | MAPPING PROTEIN MICROHETEROGENEITY: APPLICATIONS IN DEVELOPING BIOMARKERS FOR TYPE 2 DIABETES AND COMORBIDITIE Randall W Nelson MBAU/BDI, Arizona State University, Tempe, USA |
| Topic E Standards & Data Processing and Analysis Moderators: JC Sanchez & E Kolker | |
| 9.10 am - 9:30 am | PROTEOMICS DATA PROCESSING AND ANALYSIS Eugene Kolker Seattle Childrens Hospital, Seattle, USA |
| 9:30 am - 9:45 am | A NOVEL METHOD FOR CURATION OF MS BASED PROTEOMICS DATA WILL LEAD TO NEW KNOWLEDGE IN CANCER BIOLOGY (OC17-PE5) Jenny Forshed , Sweden |
| 9:45 am - 10:00 am | PSICQUIC – A COMMON QUERY INTERFACE FOR MOLECULAR INTERACTION DATABASES (OC18-PE16) Henning Hermjakob , United Kingdom |
| 10:00 am - 10:15 am | ITRAQ DATA VALIDATION AND INSIGHTS INTO BIOLOGICAL INTERPRETATION (OC19-PE17) Vital Vialas , Spain |
| 10:15 am - 10:30 am | MALDI IN-SOURCE FRAGMENTATION FOR THE VERIFICATION AND CHARACTERIZATION OF PROTEINS (OC20-PE18) Dietrich Merkel , Germany |
| 10:30 am - 11:00 am | Coffee Break (in Exhibit hall) Poster Session II (Authors of Odd numbered Posters will be present to discuss their work) Visit Exhibits |
| Topic F Microorganisms & Animals Models Moderators: I Sá-Correia & J Calvete | |
| 11:00 am - 11:20 am | INFERRING EVOLUTIONARY TRENDS FROM VENOMIC ANALYSES Juan Calvete Instituto de Biomedicina de Valencia, CSIC, Spain |
| 11:20 am - 11:40 am | MICROBIAL TOXICOPROTEOMICS Isabel Sá Correia Instituto Superior Técnico – Lisboa, Portugal |
| 11:40 am - 11:50 am | FISH PEPTIDOME PATTERNS, A NEW TOOL TO ASSESS EXPOSURE TO MARINE POLLUTION (OC21-PF29) Susana Cristobal , Sweden |

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| 11:50 am - 12:00 am | <i>TRICHOMONAS VAGINALIS</i> CYSTEINE PEPTIDASE MODULATES APOPTOSIS OF EPITHELIAL CELLS (OC22-PF30) José B. De Jesus , Brazil |
| 12:00 am - 12:12 am | GENOME RE-ANNOTATION REVEALS NOVEL PROTEINS IN A MINIMAL ORGANISM (OC23-PF31) Samuel Bader , Germany |
| 12:10 am - 12:20 am | 2D-DIGE TO PIN-POINT PROTEIN CANDIDATES ACTIVELY INVOLVED IN THE REGENERATION EVENTS OF STAR RADIAL NERVE CORD (OC24-PF28) Catarina F. Franco , Portugal |
| 12:20 am - 2:30 pm | Lunch Break (in Exhibit hall) Informal Poster Viewing Visit Exhibits |
| 12.30 am - 2:30 pm | Luncheon RoundTables Admission by pre-registration and ticket only. Moderators's names will appear in the Final Program. Lunch will be provided |
| 12:35 am - 1:30 pm | AB/Sciex Lunch Seminar |
| Topic G Biomarkers Discovery & Validation (Sponsored by AB/Sciex) Moderators: C Gil & F Amado | |
| 2:30 pm - 2:50 pm | URINE BIOMARKER CANDIDATES IN BLADDER CANCER Francisco Amado Universidade de Aveiro, Aveiro, Portugal |
| 2:50 pm - 3:05 pm | SYSTEMATIC ANTIGEN BASED PLASMA PROFILING (OC25-PG53) Peter Nilsson , Sweden |
| 3:05 pm - 3:20 pm | PROTEOMIC ANALYSIS OF HUMAN NASAL EPITHELIUM: A MOLECULAR PORTRAIT (OC4-PA20) Tania Simões , Portugal |
| 3:25 pm - 3:35 pm | IDENTIFICATION OF NON-SMALL CELL LUNG CANCER BIOMARKERS USING MASS SPECTROMETRY (OC27-PG56) Enrique Calvo , Spain |
| 3:35 pm - 3:50 pm | SEARCHING FOR BIOMARKERS FOR ABDOMINAL AORTIC ANEURYSM BY PACIFIC ANALYSIS AND ISOBARIC LABELING OF HUMAN PLASMA (OC28-PG52) Acosta-Martin AE , France |
| 3:50 pm - 4:05 pm | CANCER PROTEOME-EXPRESSION DATABASE: GENOME MEDICNE DATABASE OF JAPAN PROTEOMICS (OC29-PG15) Tadashi Kondo , Japan |
| 4:05 pm - 4:40 pm | Coffee Break (in Exhibit hall) Poster Session II (Authors of Odd numbered Posters will be present to discuss their work) Visit Exhibits |
| Topic H Clinical & Translational Proteomics Research Moderators: F Corrales & A Vegvari | |
| 4:40 pm - 5:00 pm | THE QUEST FOR PSYCHIATRIC DISORDER BIOMARKERS: FROM PROTEIN EXPRESSION TO ISOFORMS TO PATHWAYS Christoph W. Turck Max Planck Institute of Psychiatry, Munich, Germany |
| 5:00 pm - 5:20 pm | UNRAVELING MECHANISMS MEDIATING LIVER CELL RESPONSE TO ONCOLYTIC VIRAL THERAPY Fernando Corrales CIMA, Universidad de Navarra, Pamplona, Spain |
| 5:20 pm - 5:35 pm | PROTEOME PROFILING OF IMMUNODEPLETED SERUM FROM INDIVIDUALS UNDERGOING AN ALCOHOLIC ABSTINENCE PROGRAM (OC30-PH29) Nuno Charro , Portugal |
| 5:35 pm - 5:50 pm | QUANTITATIVE MS PROTEOMICS CHARACTERIZATION OF PATHWAYS INVOLVED IN TAMOXIFEN RESISTANCE IN BREAST CANCER (OC31-PH32) Janne Lehtiö , Sweden |

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| 5:50 pm - 6:05 pm | MASS SPECTROMETRIC STRATEGY FOR CLEARCUT IDENTIFICATION OF PSA IN CLINICAL SAMPLES (OC32-PH30) Ákos Végvári , Sweden |
| 6:05 pm - 6:20 pm | A NEW PROTEIN IN HUMAN CHONDROCYTE: INTERLEUKIN-1B AND THE MITOCHONDRIAL LOCALIZATION OF DIMETHYLARGININASE-2 (OC33-PH31) Berta Cillero-Pastor , Spain |
| Plenary V EuPA Senior Investigator Award 2010 Moderator: <u>G Marko-Varga</u> | |
| 6:25 pm - 7:05 pm | PROTEOMICS: FROM ADOLESCENCE TO ADULTHOOD Joël Vandekerckhove VIB-Department of Medical Protein Research, Ghent University, Belgium |
| 7:05 pm - 7:15 pm | ANNOUNCEMENT OF THE 5 th EUPA SCIENTIFIC MEETING 2011, Jean Charles Sanchez , Geneva Organizing Committee |
| Farewell Dinner (Local: Estoril Casino, Restaurant Zeno) | |

| Wednesday, October 27, 2010 | |
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| Topic I Systems Biology Moderators: <u>J Rodrigues & AC Gavin</u> | |
| 9:00 am - 9:20 am | BIOCHEMICAL APPROACHES TO BIOMOLECULAR NETWORKS Anne Claude Gavin EMBL Heidelberg, Germany |
| 9:20 am - 9:35 am | PROTEOMIC ANALYSIS OF THE BLOOD-TISSUE INTERFACE IN THE MOUSE PLACENTA IDENTIFIES MARKERS OF HUMAN DISEASE (OC34-P15) Thomas Kislinger , Canada |
| 9.35 am - 9:50 am | GLOBAL PROTEIN PROFILING USING DIRECTED MASS SPECTROMETRY: APPLICATION TO THE HUMAN PATHOGEN L. INTERROGANS (OC35-P16) Alexander Schmidt , Switzerland |
| 9:50 am - 10:05 am | NOVEL PROTEOMIC APPROACH FOR THE ABSOLUTE QUANTIFICATION OF TRANSCRIPTION FACTORS CONTROLLING ADIPOGENESIS (OC36-P17) Jovan Simicevic , Switzerland |
| 10:05 am - 10:20 am | DISCOVERING NEW AIRE (AUTOIMMUNE REGULATOR) CHROMATIN INTERACTORS BY QUANTITATIVE C230 PROTEOMICS (OC37-P18) Vittoria Matafora , Italy |
| 10:20 am - 10:30 am | CURRENT STATE OF GENE-CENTRIC APPROACH TO HUMAN PROTEOME PROJECT: RUSSIA ON 18TH CHROMOSOME (OC41-PO35) Archakov AI , Russia |
| 10:30 am - 10:50 am | Coffee Break (in Exhibit hall) Informal Poster Viewing Visit Exhibits |
| Topic J Proteomics Signal Transduction & Post-Translational Modifications (Sponsored by Thermo Fisher Scientific) Moderators: <u>N Morrice & AV Coelho</u> | |
| 10:50 am - 11:10 am | SYSTEM WIDE ANALYSIS OF SUMO MODIFICATION IN RESPONSE TO STRESS Ronald T Hay Wellcome Trust Centre for Gene Regulation and Expression, University of Dundee, Scotland |

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| 11:10 am - 11:30 am | <p>MASS SPECTROMETRIC STRATEGIES FOR THE IDENTIFICATION OF ADP-RIBOSYLATION SITES</p> <p>Friedrich Buck Universitäts-Klinikum Hamburg-Eppendorf , Germany</p> |
| 11:30 am - 11:50 am | <p>DOES TREATMENT OF PROTEINS WITH IODOACETAMIDE AFFECT THE ASSIGNMENT OF SITES OF UBIQUITINATION?</p> <p>Nickolas Morrice The Beatson Institute for Cancer Research, Glasgow, Scotland</p> |
| 11:50 am - 12:05 am | <p>SUSCEPTIBILITY TO OXIDATION AND NITRATION OF OXPHOS PROTEINS FROM CARDIAC MITOCHONDRIA POPULATIONS (OC38-PJ25)</p> <p>Ana Isabel Padrão, Portugal</p> |
| 12:05 am - 12:20 am | <p>PROTEOME-WIDE DETECTION AND QUANTIFICATION OF ISOASPARTYL RESIDUES BY ETD FTMS (OC39-PJ26)</p> <p>Hongqian Yang, Sweden</p> |
| 12:20 am - 12:30 am | <p>IDENTIFICATION OF NOVEL PROTEINS UPREGULATED IN RSV INFECTION BY LABEL-FREE QUANTITATIVE PROTEOMICS (OC40-PJ18)</p> <p>Nicola Ternette, United Kingdom</p> |
| <p>Plenary VI (Closing) Moderator: <u>I Sá-Correia</u></p> | |
| 12:30 am - 1:10 pm | <p>INTEGRATED INTERACTION PROTEOMICS APPROACHES TO STUDY MOLECULAR NETWORKS AND DRUG ACTION</p> <p>Giulio Superti-Furga Center for Molecular Medicine of the Austrian Academy of Sciences, Austria</p> |
| 1:10 pm - 1:45 pm | <p>THE PROTEOME BUCCANEERS: HOW TO UNEARTH YOUR TREASURE CHEST VIA COMBINATORIAL PEPTIDE LIGAND LIBRARIE</p> <p>Pier G Righetti Polytechnic of Milano, Italy</p> |
| 1:45 pm - 1:55 pm | Closing Summing up |
| Meeting Adjourns | |

