

# POSTERS

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## REPRODUCIBLE ORGANELLE PURIFICATION FACILITATES ANALYSIS AND DISCOVERY OF ORGANELLE PROTEINS

A. Aboldzade-Bavil, M. Nissum, R. Wildgruber, C. M. Islinger, A. Völkl, C. Eckerskorn, G. Weber  
(Martinsried, Heidelberg, Germany)

## PROTEOMIC IDENTIFICATION OF DIFFERENTIALLY EXPRESSED MEMBRANE PROTEINS IN RENAL CELL CARCINOMA

V. Aggelis, R.A. Craven, R. Tonge, P.J. Selby, R.E.Banks (Leeds, Alderley Park, Cheshire, UK)

## “CARDIAC RESYNCHRONIZATION THERAPY EFFECTS ON MITOCHONDRIAL SUB-PROTEOME IN A CANINE MODEL FOR HEART FAILURE”

G. Agnetti, S. Elliot, L. Kane, C. Yung, K. Chakir, D. Samantapudi, C. Guarnieri, C.M. Calderera, D. Kass, J. Van Eyk  
(Bologna, Italy. Baltimore, MD, USA)

## PROTEOMIC ANALYSIS OF MATURE POLLEN GRAINS OF *PARIETARIA JUDAICA*

R. Alessandro, S. Fontana, M. Barranca, V. Di Caro, F. Damiani, G. Duro, M. Ceccherini, F. Vasile, S. Marino, G. De Leo  
(Palermo, Italy)

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A. Amoresano, C. Cirulli, G. Chiappetta, G. Marino (Naples, Italy)

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D. Archimandriti, R. Cianti, L. Bini, V. Pallini, P. Rottoli, S.H. Constantopoulos, A. Koukou, Y.A. Dalavanga  
(Ioannina Greece. Siena, Italy)

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G. Arrigoni, T. Berggard, G. Poletto, F. Meggio, P. James (Padova, Italy. Lund, Sweden)

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M.S. Baker, A. Khan, A. Lee, S-H. Tan, M.P. Molloy, A. Kapur (Sydney, NSW, Australia)

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M.E. Barrios-Llerena, S.Y. Ow, P.K. Chong, C.S. Gan, A.P.L. Snijders, K.F. Reardon, P.C. Wright  
(Sheffield, UK. Fort Collins, CO, USA)

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T. Berggård, G. Arrigoni, O. Olsson, M. Fex, S. Linse, P. James (Lund, Sweden. Padova, Italy)

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S. Beyer, S. Mikkat, E. Mix, U. Völker, A. Rölfs (*Rostock, Greifswald, Germany*)

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S. Bhardwaj, S. Iyer, R. Martin, R. Iyer (*Framingham, MA; Los Alamos, NM, USA*)

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L. Bianchi, L. Marsili, S. Casini, A. Armini, L. Bini, M.C. Fossi (*Siena, Italy*)

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S. Bohler, L. Hoffmann, P. Dizengremel, Y. Jolivet, J.-F. Hausman, J. Renaut (*Belvaux, Luxembourg, Vandoeuvre, France*)

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L. Bonilla, J.N. Sutton, T. Richmond, M. Askenazi, C. Ptak (*Cambridge, MA; Ithac, NY; Morgantown, WV, USA*)

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S. Brand, S. Hahner, A. Asperger, M. Meyer, I. Sanders, D. Suckau (*Bremen, Germany*)

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R. Braunrath, E. Ponweiser, M. Marchetti, R. Sunder Plassmann, G. Allmaier (*Vienna, Austria*)

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E. Breivold, D. Gillooly, K. Evensen, D. Tran, G. Fonnum, E. Raghildstveit (*Oslo, Norway*)

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M. Brioschi, R. Wait, L. Mussoni, E. Tremoli, C. Banfi (*Milan, Italy. London, UK*)

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M. Brioschi, R. Wait, G. Polvani, L. Mussoni, E. Tremoli, C. Banfi (*Milan, Italy. London, UK*)

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C. Buellés, H.-Y. Choi, M. Ball, D. Veal, P. Karuso (*Sydney, NSW, Australia*)

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M.D. Cantú, N.A. Wulff, M.S. Palma, W.S. Lane, E. Carrilho (*São Paulo, Araraquara, Rio Claro, SP, Brazil. Cambridge, MA, USA*)

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S.C. Carpentier, E. Witters, K. Laukens, R. Swennen, B. Panis (*Leuven, Antwerp, Belgium*)

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I. Carvalho-Oliveira, N. Charro, B.J. Scholte, D. Penque (*Lisboa, Portugal. Rotterdam, The Netherlands*)

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M. Chevallet, H. Diemer, S. Luche, T. Rabilloud (*Grenoble, Strasbourg, France*)

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M. Chiapello, E. Martino, S. Perotto (*Torino, Italy*)

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K.R. Compson, S.D. Pringle, K. Giles, S.L. Koeniger, S.J. Valentine, R.H. Bateman, S. Merrenbloom, D.E. Clemmer (*Manchester, UK. Bloomington, IN, USA*)

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Y. Couté, K. Kindbeiter, R. Dieckmann, S. Belin, V. Converset, J.J. Diaz, J.-C. Sanchez (*Geneva, Switzerland. Villeurbanne, France*)

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R.A. Craven, S. Hanrahan, N. Totty, P. Harnden, A.J. Stanley, E.R. Maher, A.L. Harris, W.S. Trimble, P.J. Selby, R.E. Banks (*London, Birmingham, Oxford, UK. Toronto, Canada*)

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B. Criel, J. Renaut, R. Swennen, B. Panis, J.-F. Hausman (*Leuven, Belgium. Belvaux, Luxembourg*)

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F. Deriu, L. Musante, G. Candiano, A. Crippa, N. Arrigoni, G. Belletti, L. Bonizzi, P. Roncada (*Milano, Genova, Piacenza, Italy*)

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H.P. Desmond, R. Chung, A. Khan, J. Staddon (*London, UK*)

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B. Doman, H.-K. Lee, V. Link, R. Aebersold (*Zurich, Switzerland*)

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C. Eckerskorn, M. Nissum, R. Wildgruber, G. Weber (*Martinsried, Germany*)

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M. Falth, K. Sköld, M. Svensson, A. Nilsson, D. Fenyő, P.E. Andren (*Uppsala, Sweden. New York, USA*)

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C. Feckler, A. Erpenbach, H. Wolgast, P. Porschewski, K. Steinert (*Hilden, Germany*)

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J. Fernandez-de-Cossío, L.J. Gonzalez, Y. Satomi, J. Gil, A. Sanchez, L. Betancourt, V. Besada, G. Padrón, T. Takao (*Havana, Cuba. Osaka, Japan*)

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D. Finnskog, K. Järås, A. Ressine, J. Malm, G. Marko-Varga, H. Lilja, T. Laurell (*Lund, Malmö, Sweden. NY, USA*)

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M. Föcking, P.J. Boersema, N. O'Donoghue, S.R. Pennington, D.R. Cotter, M.J. Dunn (*Dublin, Ireland. Utrecht, The Netherlands*)

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C. Franco, G. da Costa, C. Peixoto, T.J.D. Jørgensen, P. Alves, A.V. Coelho (*Oeiras, Évora, Portugal. Odense, Denmark*)

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B. Ghafouri, H. Karlsson, A. Lewander, C. Tagesson, M. Lindahl (*Linköping, Sweden*)

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F. Gillardon, W. Rist, L. Kussmaul, M. Berg, J. Vogel, B. Hengerer (*Biberach an der Riss, Freiburg, Germany. Zürich, Switzerland*)

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B. Gini, L. Lovato, R. Cianti, L. Bini, B. Bonetti (*Verona, Siena, Italy*)

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P. Giron, N. Mihala, K. Rose (*Geneva, Switzerland*)

**PROTEOME ANALYSIS IN WHOLE SALIVA OF PATIENTS AFFECTED BY AUTOIMMUNE RHEUMATOLOGICAL DISORDERS: A STUDY OF SYSTEMIC SCLEROSIS AND PRIMARY SJÖGREN'S SYNDROME**

L. Giusti, C. Baldini, L. Bazzichi, F. Ciregia, I. Tonazzini, G. Mascia, G. Giannaccini, S. Bombardieri, A. Lucacchini (*Pisa, Italy*)

**SPICING UP PROTEOMICS WITH SPLICING**

J. Godovac-Zimemrmann (*London, UK*)

**COMPARATIVE ANALYSIS OF SECRETED PROTEINS OF HUMAN PROSTATE AND BLADDER STROMAL MESENCHYME CELLS**

Y. Goo, S. Ryu, L. Walashek, S. Shaffer, A. Liu, D. Goodlett (*Seattle, WA, USA*)

**LARGE-SCALE SHOTGUN SEQUENCING OF CARDIAC VENTRICULAR TISSUE IN MOUSE MODELS OF DILATED CARDIOMYOPATHY**

A.O. Gramolini (*Toronto, Canada*)

**MAPPING THE PROTEOME OF THYLAKOID MEMBRANES BY DE NOVO SEQUENCING OF INTERMEMBRANE PEPTIDE DOMAINS**

B. Granvogel, V. Reisinger, L.A. Eichacker (*Munich, Germany*)

**PROTEOMIC ANALYSIS OF IMMUNOGENIC PROTEINS IN XENOGENEIC HEART VALVE BIOSCAFFOLDS**

L.G. Griffiths, E.C. Orton, K.F. Reardon (*Fort Collins, CO, USA*)

**CHALLENGES RELATED TO ANALYSIS OF PROTEIN SPOT VOLUMES FROM 2-DE, AS REVEALED BY REPLICATE GELS**

H. Grove, K. Hollung, A.K. Uhlen, E.M. Færgestad (*Ås, Norway*)

**INFLUENCE OF MULTIPURPOSE SOLUTIONS ON THE PROTEIN COMPOSITION OF THE TEAR FILM**

F. Grus, N. Wiegel, N. Pfeiffer (*Mainz, German*)

**PROTEOMIC PROFILING STUDIES IN GLAUCOMA USING SELDI-TOF AND CLINPROT MAGNETIC BEADS**

F. Grus, L. Hornberger, N. Wiegel, S. Berneiser, U. Thiel, N. Pfeiffer (*Mainz, Germany*)

**USE OF A NOVEL IONIZATION MODIFIER ALLOWS THE INVESTIGATION OF THE CARBOXY-TERMINUS OF THE AMYLOID PEPTIDE EXCISED FROM SENILE PLAQUES OF HUMAN AND TRANSGENIC MICE**

A. Guentert, B. Bohrmann, H. Döbeli (*Basel, Switzerland*)

**SIMPLE METHOD FOR PROTEIN ISOLATION FROM A COMPLEX MIXTURE IN VIEW OF IDENTIFICATION BY MASS SPECTROMETRY**

L. Guerrier, L. Lomas, E. Boschetti (*Fremont CA, USA*)

**SELDI-TOF MASS SPECTROMETRY ALLOWS THE DETECTION OF SERUM MARKERS FOR COLORECTAL CANCER**

J.K. Habermann, U.J. Roblick, B.T. Luke, D.A. Prieto, E. Oevermann, M. Duchrow, T.D. Veenstra, H.-P. Bruch, G. Auer, T. Ried (*Lübeck, Germany. Frederick, MD, USA. Stockholm, Sweden. Bethesda, MD, USA*)

**PROTEOMICS ANALYSIS UTILIZING MULTI-DIMENSIONAL CHROMATOGRAPHY INTERFACED TO MALDI-TOF/TOF**

S. Hahner, U. Lewandrowski, A. Sickmann, S. Brand, J. Glandorf, W. Jabs, D. Suckau (*Bremen, Germany*)

**MAJOR PROTEINS OF THE AMYLOPLAST OF AGAR- AND SOIL-GROWN POTATO TUBERS**

S. Hald, A. Blennow, A. Stensballe, G. Bauw, K.G. Welinder (*Aalborg, Frederiksberg C, Denmark*)

**QUANTIFICATION OF CSF PROTEINS FROM MIGRAINEURS IN THE HEADACHE AND NON-HEADACHE STATES BY MASS SPECTROMETRY**

M. Harrington, M. Scigelova, A.F. Hühmer, R.G. Biringer (*Pasadena, San Jose, CA, USA. Hemel Hempstead, UK*)

**PROTEOME ANALYSIS OF MOUSE MODELS FOR ALZHEIMER'S DISEASE: APP-TRANS<sup>1</sup>, (APP+PS1)-TRANS<sup>2</sup> AND (PS1+PS2)-CDKO<sup>3</sup> MICE**

D. Hartl, I. Römer, D. Sagi, S. Becker, B. Esch, M. Herrmann, J. Klose (*Berlin, Germany*)

**DIFFERENTIAL MODIFICATION OF PHOSDUCIN PROTEIN IN DEGENERATING RD1 RETINA IS ASSOCIATED WITH CONSTITUTIVELY ACTIVE CAMKII IN ROD OUTER SEGMENTS**

S.M. Hauck, P. Ekström, P. Ahuja-Jensen, S. Suppmann, F. Paquet-Durand, T. van Veen, M. Ueffing (*Munich-Neuherberg, Germany. Lund, Sweden*)

**IMMUNOAFFINITY-MASS SPECTROMETRY FOR TARGETED DISEASE MARKER STUDIES**

N.H.H. Heegaard, N. Helena Beyer, D.B. Corlin, J.M. Czarna, J.W. Şen (*Copenhagen, Denmark*)

**ERBB2 TYROSINE PHOSPHORYLATION: MASS SPECTROMETRY BASED IDENTIFICATION OF BINDING PARTNERS AND THEIR FUNCTIONAL CHARACTERISATION**

C. Heinrich, F. Roux, R. Sack, D. Hess, A. Di Cara, N.E. Hynes, J. Hofsteenge (*Basel, Switzerland*)

**IDENTIFICATION OF SHORT-LIVED PROTEINS IN *CANDIDA ALBICANS* BY 2D-DIGE ANALYSIS OF PROTEASOME MUTANTS**

M.L. Hernandez, M. Martinez, C. Gil C. Nombela, J. Pla (*Madrid, Spain*)

**COMPARISON OF DIFFERENT PROTEIN STAINING PROTOCOLS FOR SDS-PAGE OF RECOMBINANT ERYTHROPOIETIN WITH RESPECT TO STAINING SENSITIVITY AND SEQUENCE COVERAGE OF MALDI-BASED PEPTIDE MASS FINGERPRINTING**

J. Hirschmann, M. Marchetti, C. Reichel, G. Allmaier (*Vienna, Austria*)

**DEEP MINING OF LOW ABUNDANT PROTEINS IN COMPLEX SAMPLES ACHIEVED BY OFFGEL ISOELECTRIC FOCUSING OF TRYPTIC PEPTIDES**

P. Hoerth, C. Wenz, T. Wulff, T. Preckel (*Waldbronn, Germany*)

**USE OF FREE FLOW ELECTROPHORESIS AND MASS SPECTROMETRY TO INVESTIGATE CHANGES IN PROTEIN EXPRESSION IN BUTYRATE TREATED COLORECTAL CANCER CELLS**

P. Hoffmann, T. Lewanowitsch, L. Cosgrove, T. Lockett, R. Head (*Adelaide, South Australia, Australia*)

**GDNF OVEREXPRESSION-RELATED PROTEOME CHANGES IN DIFFERENTIATING RAT PROGENITOR CELLS ST14A**

R. Hoffrogge, S. Beyer, S. Mikkat, U. Schmitz, E. Mix, A. Rolfs (*Rostock, Germany*)

**2-DE PROTEOME ANALYSIS OF A PROLIFERATING AND DIFFERENTIATING HUMAN NEURAL STEM CELL LINE (RENCELL VM)**

R. Hoffrogge, S. Beyer, S. Mikkat, E. Mix, U. Volker, A. Rolfs (*Rostock, Greifswald, Germany*)

**PROTEOME ANALYSES OF SPRING WHEAT REVEAL DIFFERENT RESPONSES TO AMOUNT OF S-FERTILISER**

K. Hollung, H. Grove, E.M. Fergestad, A.K. Uhlen (*As, Norway*)

**THE EuPA WEBSITE**

C. Hoogland, A. Quinn, L. Bini, D. Noukakis, J. Jorrin, J.-C. Sanchez (*Geneva, Switzerland. Cambridge, UK., Siena, Italy, Cordoba, Spain*)

**iTRAQ BASED QUANTITATION ON A LINEAR ION TRAP MASS SPECTROMETER UTILIZING PQD, A NOVEL ION ACTIVATION TECHNIQUE**

M.P. Hornshaw, K.W. Li, T. Zhang, R. Kiyonami, S. Spijker, R. van der Schors, A.B Smit (*Hemel Hempstead, UK. Amsterdam, Netherlands. San Jose, CA, USA*)

**USE OF Cy5 TAGGED pI-MARKERS FOR PRECISE pI DETERMINATION OF PEPTIDES**

L. Hornsten, K. Uhlen, B. Bjellqvist (*Uppsala, Sweden*)

**EFFECTS OF IMATINIB MESYLATE ON CHRONIC MYELOGENOUS LEUKEMIA DERIVED CELLS JURL-MK1**

Z. Hrkal, D. Grebenova, K. Kuzelova, M. Pluskalova, P. Halada (*Prague, Czech Republic*)

**ENHANCED GENOME ANNOTATION BY HIGH-THROUGHPUT MASS SPECTROMETRY USING ETD BASED PEPTIDE IDENTIFICATION**

A.F.R. Huhmer, Z. Hao, R. Biringer, A. Fonteh, M. Harrington (*Pasadena, San Jose, CA, USA*)

**RAPID IDENTIFICATION OF A NOVEL PHOSPHORYLATION SITE USING THE MALDI-TOF/TOF TECHNOLOGY**

M. Innocenti, L.B. Areces (*Frankfurt, Germany. Milan, Italy*)

**USING CHARGE-DIRECTED FRAGMENTATION FOR DATABASE SEARCHING WITH NON-TRYPTIC PEPTIDES OF MEMBRANE PROTEINS FROM LEUKAEMIA CELLS**

M. Jansson, C. Lassen, P. James (*Lund, Sweden*)

**LABELFREE MICROARRAY DETECTION OF PSA ON POROUS SILICON FOR CLINICAL AND CELL LINE APPLICATIONS**

K. Jaras, A. Ressine, E. Nilsson, J. Malm, G. Marko-Varga, H. Lilja, T. Laurell (*Malmo, Lund, Sweden. NewYork, NY, USA*)

**USE OF MULTIVARIATE ANALYSIS IN THE TRANSFORMATION OF 2D GEL IMAGES INTO RELEVANT SPOT QUANTITY DATA**

K.N. Jensen, I. Sondergaard, S. Jacobsen, B.M. Jorgensen, F. Jessen (*Lyngby, Denmark*)

**CHANGES IN ENZYMES ASSOCIATED WITH ENERGY METABOLISM IN BOVINE MUSCLE PRE AND POST MORTEM ANALYZED BY PROTEOMICS**

X. Jia, K. I. Hildrum, F. Westad, E. Kummen, L. Aass, K. Hollung (*Ås, Øyer, Norway*)

**ALKALINE EXTRACTION OF HUMAN PLASMA PROTEINS FROM A NON-DENATURING MICRO TWO-DIMENSIONAL GEL FOR PROTEIN/POLYPEPTIDE MASS MEASUREMENT AND PEPTIDE MASS FINGERPRINTING USING MALDI-TOF MS**

Y. Jin, T. Manabe (*Matsuyama, Japan*)

**DIRECT TARGETING OF HUMAN PLASMA FOR MATRIX-ASSISTED LASER DESORPTION/IONIZATION AND ANALYSIS OF PLASMA PROTEINS BY TIME OF FLIGHT MASS SPECTROMETRY**

Y. Jin, T. Manabe (*Matsuyama, Japan*)

**ANTIBODY PROFILE ANALYSIS VIA WESTERN BLOT AND PROTEIN-CHIP METHODS IN A RETINAL GANGLION CELL DEGENERATION ANIMAL MODEL**

S.C. Joachim, D. Kraft, N. Pfeiffer, M. B. Wax, F.H. Grus (*Mainz, Germany. Fort Worth, Texas, USA*)

**THE EXTERNAL PROTEOME OF *H. CAPSULATUM*: A SEARCH FOR THE PATHOSOME**

C.H. Johnson, V. Krufft, D. Merkel, C. Lichty<sup>1</sup>, K. Raney, A.M. Galuszka, J.E. McEwen (*Little Rock, AR., USA. Darmstadt, Germany*)

**IMMUNOMODULATORY COMPOUNDS IN MARSUPIAL MILK**

J.L. Joss, M.P. Molloy, L.A. Hinds, E.M. Deane (*Sydney, Canberra, Australia*)

**EXPLORING THE ROLE OF PTMS IN MITOCHONDRIA: LINKING PROTEOMICS AND FUNCTION**

L.A. Kane, C.K Yung, Y. Guo, G. Agnetti, S. Sheng, M. Youngman, R. Jensen, I. Neverova, J.E. Van Eyk (*USA. Bologna, Italy*)

**OPTIMISATION OF HUMAN PLASMA SAMPLE PREPARATION USING IMMUNODEPLETION AND DIGE FOR BIOMARKER DISCOVERY**

A. Khan, J. Soon, A. Kapur, M.P. Molloy, M.S. Baker (*Sydney, NSW, Australia*)

**GLOBAL SURVEY OF ORGANE AND ORGANELLE PROTEIN EXPRESSION IN MOUSE: COMBINED PROTEOMIC AND TRANSCRIPTOMIC PROFILIN**

T. Kislinger, B. Cox, A. Kannan, C. Chung, P. Hu, A. Ignatchenko, M.S. Scott, A.O. Gramolini, Q. Morris, M.T. Hallett, J. Rossant, T.R. Hughes, B. Frey, A. Emili (*Toronto, ON; Montreal, QC, Canada*)

**TWO-DIMENSIONAL GEL ELECTROPHORESIS OF LOW ABUNDANCE PROTEINS**

A. Klaus, C. Lück, F. Weiland, A. Görg (*Freising-Weihenstephan, Germany*)

**IDENTIFICATION OF PROTEIN-PROTEIN INTERACTIONS OF p101 (REGULATORY SUBUNIT OF PI3K $\gamma$ ) USING FREE FLOW ELECTROPHORESIS AND MASS SPECTROMETRY**

M. Klingler-Hoffmann, J. Brazzatti, E. Procko, A. C. Caon, P. Hoffmann, S. R. McColl (*Adelaide, Australia*)

**MICROFLUIDIC DEVICES FOR PROTEOMIC ANALYSIS**

D.R. Knapp, J. Liu, K.W. Ro, and R. Nayak (*Charleston, SC, USA*)

**GLYCO-PROTEOMICS OF YELLOW JACKET VENOM ALLERGENS**

D. Kolarich, A. Loos, R. Léonard, L. Mach, W. Hemmer, F. Altmann (*Vienna, Austria*)

**PROTEOME BIOINFORMATICS PROJECT AT NATIONAL CANCER CENTER RESEARCH INSTITUTE**

T. Kondo, K. Fujii, H. Hatakeyama, S. Hirohashi (*Tokyo, Japan*)

**DEVELOPMENT OF QUANTITATIVE PROTEIN DETECTION ARRAYS FOR SYSTEMS BIOLOGY**

U. Korf, F. Henjes, S. Schuhmacher, A. Tresch, S. Derdak, T. Beissbarth, U. Klingmüller, A. Poustka (*Heidelberg, Germany*)

**DEPLETION OF ZONA PELLUCIDA PROTEINS FROM OOCYTES FOR IMPROVEMENT OF PROTEOMIC ANALYSES**

E. Kronusová, P. Halada, H. Kovarova (*Libechov, Prague, Czech Republic*)

**QUANTITATIVE ANALYSIS OF *ARABIDOPSIS THALIANA* PLASMA MEMBRANE PROTEINS USING <sup>15</sup>N-METABOLIC LABELING**

L. Kuhn, V. Lanquar, F. Lelièvre, C. Bruley; C. Espagne, H. Barbier-Brygoo, S. Thomine, J. Garin (*Grenoble, Gif-sur-Yvette, France*)

**META-PROTEOMIC ANALYSIS OF THE CADMIUM STRESS RESPONSE OF A MICROBIAL COMMUNITY**

C.M.R. Lacerda, K.F. Reardon (*Fort Collins, CO, USA*)

**MERCATOR<sup>TM</sup> MULTIPLEX PHOSPHOANTIBODY-BASED ARRAY: A NOVEL QUANTITATIVE MULTIPLEXING PLATFORM FOR PHOSPHOPROTEOMIC APPLICATIONS**

M. Lakkis; J. Knowles; E. Schaefer (*Hopkinton, MA, USA*)



## **THE PROTEICDB DATABASE FOR 2-DE PROTEOMICS**

O. Langella, H. Denos, T. Leboucher, M. Zivy, J. Joets (*Gif-sur-Yvette, France*)

## **PROTEOMIC SAMPLE PREPARATION: ANALYZING PROTEINS FROM WHOLE BLOOD**

J.T. Lathrop, D.J. Hammond (*Rockville, MD, USA*)

## **SERUM PROTEOME ANALYSIS USING OFF-GEL ELECTROPHORESIS AND MALDI TOF/TOF MASS SPECTROMETRY**

H. Lee, R. Ossola, B. Casado, J. Malmström, R. Aebersold (*Zürich, Switzerland*)

## **IDENTIFICATION OF EARLY EXPRESSED BIOMARKERS FOR MACULAR TELANGIECTASIA**

A.C.L. Len, M.S. Baker, M. Gillies (*Sydney, NSW, Australia*)

## **SHOTGUN PROTEOMICS OF DNA-BINDING PROTEINS WITH ISOELECTRIC FOCUSING LC-MS/MS**

J. Lengqvist, R. Lewensohn, H. Jörnvall, J. Lehtiö (*SE, KI, Sweden*)

## **KEEPING TRACK OF GEL-BASED PROTEOMICS EXPERIMENTS USING THE OPEN-SOURCE SOFTWARE PROTEIOS**

F. Levander, M. Krogh, K. Wårell, P. Gärdén, P. James, J. Häkkinen (*Lund, Sweden*)

## **IDENTIFICATION OF PEPTIDES IN URINE OF COPD PATIENTS**

C. Lindberg, S. Shaker, G. Marko-Varga, J. Griffin, S. Kjellström, T.E. Fehniger, P. Broberg, J. Mo, K. Forsman-Semb, H. Vissing, I. Groth Clausen, M. Dahlbäck, A. Dirksen (*Hellerup, Denmark. Lund, Sweden*)

## **PROTEOME ANALYSIS OF MITOCHONDRIA IN ADIPOSE TISSUES OF BARIATRIC PATIENTS: IDENTIFICATION OF RISK FACTORS AND/OR PREDICTORS FOR THE TREATMENT OUTCOME**

P. Lindinger, A.N. Eberle, R. Peterli, T. Peters, S. Hoving, H. Voshol, I. Fearnley, J.E. Walker (*Basel, Switzerland. Cambridge, UK*)

## **CONIFER DEFENSE AGAINST INSECTS: PROTEOME ANALYSIS OF SITKA SPRUCE (*PICEA SITCHENSIS*) INDUCED BY MECHANICAL WOUNDING OR FEEDING BY WHITE PINE WEEVILS (*PISSODES STROBI*)**

D. Lippert, S. Chowrira, S.G. Ralph, D. Aeschliman, J. Zhuang, C. Ritland, K. Ritland, J. Bohlmann (*Vancouver, Canada*)

## **DATA MANAGEMENT WITH IDQUEST IN A PROTEOME LABORATORY**

G. Lochnit, M. Pekelis, B. McGlothlen (*Giessen, Germany. Hercules, CA, USA*)

## **REVERSE PHASE PROTEIN ARRAYS AS TOOL FOR PROTEIN QUANTIFICATION**

C. Loebke, C. Schmidt, H. Suelmann, U. Korf, A. Poustka (*Heidelberg, Germany*)

## **A NEW METHOD FOR GENERATING QUANTITATIVE AND REPRODUCIBLE DATA USING LASER-DESORPTION/IONIZATION MASS SPECTROMETRY**

L. Lomas, E. Fung, E. Boschetti (*Fremont, CA, USA*)

## **DEVELOPMENT OF A PROTEOMIC-BASED BIOMARKER PANEL THAT MAY AID IN THE STRATIFICATION OF WOMEN WITH A PELVIC MASS**

L. Lomas, E. Fung, E. Boschetti (*Fremont, CA, USA*)

## **PROTEOMIC ANALYSIS OF THE KIDNEY IN RAT BILIARY CIRRHOSIS**

J.A. López, E. García-Navarro, E. Camafêita, N.M. Atucha, M. C. Ortiz, J. García-Estañ (*Madrid; Murcia, Spain*)

## **DIFFERENTIAL PROTEOME ANALYSIS OF *C. GLUTAMICUM* WILDTYPE VS. OVEREXPRESSION MUTANTS AND PROTEOMIC PROFILING AFTER GROWTH ON DIFFERENT CARBON SOURCES**

C. Lück, F. Weiland, A. Klaus, A. Görg (*Freising, Germany*)

## **FAST SELECTION OF THE BEST - SPECIFICITY ANALYSIS OF THERAPEUTIC PROTEINS WITH PROTEIN BIOCHIPS**

A. Lueking, C. Gutjahr, K. Schulte, V. Grub, H.E. Meyer, C. Huels, S. Mueller (*Dortmund, Bochum, Germany*)

## **HUMAN CD4<sup>+</sup>CD25<sup>+</sup> REGULATORY T CELLS EXPRESS GALECTIN-10, ESSENTIAL FOR THEIR ANERGIC STATE AND SUPPRESSIVE CAPACITY**

P. Lutter, J. Kubach, C. Richter, C. Becker, E. Huter, S. Stoll, T. Bopp, M. Milo, A. Dommermuth, E. Schwitulla, S. Bailey, A. Tuettenberg, J. Knop, J. Wijdenes, S. Müllner, E. Schmitt, H. Jonuleit (*Dortmund, Mainz, Heidelberg, Germany. Besançon, France*)

## **COMPARISON OF IMMUNOAFFINITY DEPLETION DEVICES FOR HUMAN SERUM FOR PROTEOME ANALYSIS**

P. Lutter, E. Schwitulla, B. Korte, S. Felske-Mueller, A. Dommermuth, A. Wattenberg, S. Mueller (*Dortmund, Germany*)

## **CELL SIGNALLING ANTIBODY MICROARRAY FOR BIOMARKER DISCOVERY IN COLORECTAL CANCER**

J. Madoz-Gúrpide, F. Fernandez-Carbonie, J.I. Casal (*Madrid, Spain*)

**UNIQUE SPOT IDENTIFIERS FOR INDEPENDENT REPLICATES OF 2D-GEL DIGE EXPERIMENTS**

L. Magnoni, S. Matteoni, R. Raggiaschi, G.C. Terstappen, A. Kremer (*Siena, Italy*)

**ASSIGNMENT OF HUMAN PLASMA POLYPEPTIDES ON A NON-DENATURING TWO-DIMENSIONAL GEL USING MALDI-MS AND PEPTIDE MASS FINGERPRINTING, COMPARISONS WITH THE RESULTS OF INTACT PROTEIN MAPPING**

T. Manabe, Y. Jin, O. Tani (*Matsuyama, Japan*)

**EST DATABASES FOR MASS SPECTROMETRIC-BASED PROTEIN IDENTIFICATION – REQUIREMENT OF PSD AND CID (MS/MS) EXPERIMENTS FOR SUCCESSFUL IDENTIFICATION OF A PLANT DEFENSE ELICITOR**

M. Marchetti, V. Seidl, R. Schandl, C. Kubicek, G. Allmaier (*Vienna, Austria*)

**A NEW IMAGING PLATFORM FOR FLUORESCENCE BASED QUANTITATIVE ANALYSIS**

R. Marouga (*Uppsala, Sweden*)

**NEW APPROACH TO STUDY YEAST SURFACE PROTEINS**

M. Martínez-Gomariz, M.L. Hernández, P. Ximénez-Embún, M.D. Gutiérrez, C. Gil (*Madrid, Spain*)

**THE CELL WALL MUTANT  $\Delta$ ECM33 AS A GOOD CANDIDATE FOR A *CANDIDA ALBICANS* VACCINE**

R. Martínez-Lopez, L. Monteoliva, R. Díez-Orejas, C. Nombela, C. Gil (*Madrid, Spain*)

**PROTEOMIC AND FUNCTIONAL ANALYSIS OF TYROSINE PHOSPHORYLATED RED CELL MEMBRANE PROTEINS IN MOUSE LACKING Src-FAMILY- KINASES**

A. Matte, F. Carta, F. Turrini, F. Morandini, G. Berton, A. Siciliano, C. Lowell, R. Corrocher, L. De Franceschi (*Verona, Alghero, Torino, Italy. San Francisco, CA, USA*)

**EFFICIENT ENRICHMENT AND PROTEOME ANALYSIS OF INTEGRAL PLASMA MEMBRANE PROTEINS OF MYCOBACTERIA**

J. Mattow, F. Siejak, U.E. Schaible, K. Hagens, F. Schmidt, C. Köhler, A. Treumann, S.H.E. Kaufmann (*Berlin, Germany. London, UK. Oslo, Norway. Dublin, Ireland*)

**DIFFERENTIAL PROTEOME ANALYSIS OF AN UBB<sup>+1</sup> TRANSGENIC MOUSE MODEL FOR ALZHEIMER'S DISEASE**

C. May, F.W. Van Leeuwen, M. Irmeler, J. Beckers, H.E. Meyer, K. Marcus (*Bochum, Munich, Germany. Amsterdam, The Netherlands*)

**PROTEOMICS OF ISOLATED GLOMERULI REVEALS NOVEL PROTEINS LINKED TO PUROMYCIN AMINONUCLEOSIDE INDUCED GLOMERULAR INJURY**

C. Mayrhofer, S. Krieger, M. Chang, D. Kerjaschki, G. Allmaier (*Vienna, Austria*)

**DEVELOPMENT OF MRM ASSAYS FOR MONITORING RESPONSE TO CHEMOTHERAPY IN COLORECTAL CANCER PATIENTS**

M. McKay, M.S. Baker, S.J. Clarke, M.P. Molloy (*Sydney, Australia*)

**PROTEIN AND METABOLITE PROFILING OF CEREBROSPINAL FLUID AND SERUM FOR POTENTIAL MARKERS FOR SCHIZOPHRENIA**

T. McKenna, H. Major, C. Hughes, J.P.C. Vissers, J.T.-J. Huang, E. Schwarz, S. Nahnsen, S. Bahn, J. Langridge (*Manchester, Cambridge, UK*)

**PROTEOME ANALYSIS OF SPINAL CORD PROTEINS REVEALS MOLECULAR DIFFERENCES IN MOUSE STRAINS WITH DISPARATE SUSCEPTIBILITY TO EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS**

S. Mikkat, P. Lorenz, M.O. Glocker, S. Ibrahim (*Rostock, Germany*)

**OPTIMIZATION OF PARAMETERS FOR PERFORMING ELECTRON TRANSFER DISSOCIATION ON 2-DIMENSIONAL LINEAR ION TRAPS**

K. Miller, J.C. Schwartz, Z. Hao, A.F. Huhmer, J.E. P. Syka, J.J. Coon (*San Jose, CA, Madison, WI, USA*)

**HOW VARIABLE IS THE PATTERN OF A COMPLEX SAMPLE LIKE SERUM WHEN USING DIFFERENT STAINS?**

I. Miller, J. Crawford, E. Gianazza (*Vienna, Austria. Newcastle-upon-Tyne, UK. Milano, Italy*)

**IDENTIFICATION AND QUANTITATION OF ISOBARICALLY LABELED PROTEINS. A COMPARISON OF SEPARATION STRATEGIES**

M. Minkoff, P. Ulintz, R. Marks, P. Andrews, M. Willetts (*Framingham, MA; Ann Arbor, MI, USA*)

**PROTEIN EXPRESSION CHANGES ASSOCIATED WITH CONSOLIDATION SPATIAL MEMORY USING TWO DIMENSIONAL ELECTROPHORESIS**

M. Monopoli, S. Pennington, M.J. Dunn, K.J. Murphy (*Dublin, Ireland*)

**TWO-DIMENSIONAL DIFFERENCE GEL ELECTROPHORESIS ANALYSIS OF *CANDIDA ALBICANS* YEAST-TO-HYPHA TRANSITION**

L. Monteoliva, A. Pitarch., C. Nombela, J.P. Albar and C. Gil (*Madrid, Spain*)

**INFLAMMATORY BOWEL DISEASE (IBD): BIOMARKERS IDENTIFICATION BY PROTEOMIC APPROACH**

M. Moriggi, L. Pastorelli, A. Viganò, G. Borsi, M. Vecchi, C. Gelfi (*Milan, Italy*)

**SELECTIVE SOLID PHASE EXTRACTION FOR DIRECT MALDI-TOF MS PROFILING OF SERUM PROTEINS**

P. Nanni, D. Parisi, M. Casale, G. Roda, F. Tonon, A. Belluzzi, E. Roda, A. Roda (*Bologna, Genoa, Italy*)

**IDENTIFICATION OF PLASMA PROTEINS USING IN-SOLUTION ISOELECTRIC FOCUSING ON THE PEPTIDE LEVEL**

M. Nissum, R. Wildgruber, G. Weber, C. Eckerskorn (*Martinsried, Germany*)

**A PROTEOMIC ANALYSIS TO FIND BIOMARKERS FOR EARLY DETECTION OF ASBESTOS-RELATED LUNG DISEASES**

T.A. Nyman, A. Puustinen, N. Ahonen, M. Huuskonen, T. Toljamo, K. Vuopala, S. Anttila (*Helsinki, Rovaniemi, Finland*)

**SEARCH FOR PROTEIN OVEREXPRESSION IN MICRO-ORGANISMS USING PROTEOMICS TOOLS**

M.M.A. Olsthoorn, R.A.M. van der Hoeven, P. Klaassen, M. Akeroyd, D.A.M. Gutker-Vermaas, W. Plugge, T.J. Wenzel, A.A. van Dijk, M.W.E.M. van Tilborg (*Delft, The Netherlands*)

**ISOLATION OF PLASMA MICROPARTICLES FOR PROTEIN MARKER DISCOVERY**

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**2-NITROBENZENESULFENYL CHLORIDE (NBS) BASED QUANTITATIVE PROTEOME STUDY ON TAMOXIFEN INDUCED PROTEIN ALTERATION IN MCF-7 CELLS**

K. Ou, D. Kesuma, K. Ganesan, S.Y. Soon, S.Y. Lee, X.P. Goh, M. Hooi, W. Chen, H. Jikuya, T. Ichikawa, H. Kuyama, E. Matsuo, O. Nishimura, P. Tan (*Singapore, Japan*)

**THE PHOSPHORYLATION OF SUBUNITS OF ASSEMBLED COMPLEX I FROM BOVINE HEART MITOCHONDRIA**

G. Palmisano, M.R. Larsen, S. Papa (*Bari, Italy, Odense M, Denmark*)

**IDENTIFICATION OF BIOMARKERS OF TSE PATHOGENESIS USING A MOUSE MODEL**

V. Patel, H. Lu, M. Ward, S. Whatley (*London, UK*)

**DORSOLATERAL PREFRONTAL CORTEX PROTEIN EXPRESSION IN SCHIZOPHRENIA AND BIPOLAR DISORDER: EVIDENCE FOR SYNAPTIC AND CYTOSKELETAL DYSFUNCTION**

K. Pennington, C. Beasley, J. English, A. Fagan, P. Dicker, L. Hudson, M. Dunn, D. Cotter (*Dublin, Ireland, British Columbia, Canada*)

**PROTEOMIC PROFILING OF BLAST CELLS FROM PATIENTS WITH ACUTE MYELOID LEUKAEMIA, A RETROSPECTIVE STUDY**

M. Pernemalm, J. Forshed, SC Tan, L. Stenke, Y. Pawitan, R. Lewensohn, L. Kanter, J. Lehtiö (*Stockholm, Sweden*)

**IDENTIFICATION OF SERUM LOW MOLECULAR WEIGHT PROTEINS MARKEDLY OVER-EXPRESSED IN END STAGE RENAL DISEASE PATIENTS**

F. Piccolomini, E. Donadio, A. Felicioli, L. Bini, R. Cianti, V. Pallini, E. Balestreri, M. Ardini, R. Felicioli, C. Donadio (*Pisa, Siena, Italy*)

**EFFECTS OF THE INCUBATION *IN VITRO* WITH SORBENTS ON SERUM PROTEOMIC PATTERN AND CYTOKINES CONCENTRATION IN CANCER PATIENTS DURING CHEMOTHERAPY**

F. Piccolomini, M.L. Wratten, L. Sereni, E. Balestreri, E. Donadio, A. Felicioli, R. Felicioli, C. Donadio (*Pisa, Mirandola, Italy*)

**COMPARATIVE DIGE ANALYSIS OF THE OLFACTORY PROTEOME TO OBTAIN NEW INSIGHT INTO STIMULUS-INDUCED PLASTICITY OF SENSORY NEURONS IN *MUS MUSCULUS***

H. Piechura, J. Barbour, E.M. Neuhaus, H. Hatt, H.E. Meyer, B. Warscheid (*Bochum, Germany*)

**NOVEL WORKFLOW FOR THE INVESTIGATION OF THE PLASMA PROTEOME STATISTICAL ASPECTS OF THE UTILIZATION OF ITRAQ<sup>TM</sup> IN COMBINATION WITH DEPLETION COLUMNS**

J. Pieh, A. Walijew, S. Beyer, M. Glückmann, V. Krufft, P.-J. Kramer, M. Kröger (*Darmstadt, Germany*)

**DECODING SEROLOGICAL RESPONSE TO *CANDIDA* CELL WALL IMMUNOME INTO NEW DIAGNOSTIC, PROGNOSTIC AND THERAPEUTIC CANDIDATES FOR SYSTEMIC CANDIDIASIS**

A. Pitarch, A. Jiménez, C. Nombela, C. Gil (*Madrid, Salamanca, Spain*)

**COMBINATION OF CHEMICAL CROSS-LINKING AND FT-MS FOR THE STRUCTURAL CHARACTERIZATION OF HUMAN AND RAT CD69 MOLECULE**

P. Pompach, P. Novak, D. Kavan, P. Man, V. Havlicek, K. Bezouska (*Prague, Czech Republic*)

**A PROTEOMIC PROFILE OF BRCA1 KNOCKDOWN IN A BREAST CANCER CELL LINE**

J.E. Prime, C.J. Lord, A. Lau, A. Ashworth, M.J. O'Connor (*Cambridge, London, UK*)

**EVALUATION OF FLUORESCENT AND TRADITIONAL STAINING METHODS APPLIED TO RENAL CORTEX PROTEOME**

V. Proserpio, C. Sarto, M. Soldi, M. Brambilla, R. Perego, F. Magni, F. Raimondo, E. Fasoli, F. Rocco, P. Mocarelli (*Desio, Monza, Milano, Italy*)

**USING A PROTEOMIC APPROACH TO UNDERSTAND TITIN'S M-LINE FUNCTION IN CARDIAC HYPERTROPHY**

K. Raddatz, J. Peng, D. Albrecht, J.D. Molkenkin, H. Granzier, M. Gotthardt (*Berlin, Greifswald, Germany. Pullman, WA; Cincinnati, OH, USA*)

**IDENTIFICATION OF PROTEINS ASSOCIATED WITH CLUSTERING OF COLLAGEN RECEPTOR ALPHA2BETA1 INTEGRIN**

P. Rappu, M. Mattila, P. Kankaanpää, J. Heino (*Turku, Finland*)

**STRESS RESPONSE IN *DESULFOVIBRIO VULGARIS* HILDENBOROUGH: A PROTEOMICS APPROACH**

A.M. Redding, A. Mukhopadhyay, C.J. Petzold, A. Gilman, D. Joyner, T.C. Hazen, J.D. Keasling (*Berkeley, CA, USA*)

**A PROTEOMIC STRATEGY FOR BIOMARKER DISCOVERY AND ITS APPLICATION TO ANNUAL RYEGRASS TOXICITY**

M.A.S. Retallick, A. Bacic, S.M. Colegate, W.P. Michalski (*Geelong, Parkville, VIC, Australia*)

**PROTEINS INVOLVED IN APOPTOSIS AND OXIDATIVE STRESS ARE DIFFERENTIALLY EXPRESSED IN METHYLMALONIC ACIDEMIA PATIENTS**

E. Richard, L. Monteoliva, S. Juarez, B. Pérez, L.R. Desviat, M. Ugarte, J.P. Albar (*Madrid, Spain*)

**PROTEIN EXPRESSION PROFILES OF MUSCLE TISSUE AND OF PRIMARY MYOCYTES IN MITOCHONDRIAL MYOPATHY PATIENTS**

M. Ripamonti, A. Viganò, M. Moriggi, D. Capitanio, S. De Palma, L. Morandi, M. Mora, R. Wait, C. Gelfi (*Milano, Italy. London, UK*)

**SURFACE PROTEOME VARIABILITY AMONG DIFFERENT ISOLATES OF GROUP A *STREPTOCOCCUS***

M.J. Rodríguez-Ortega, S. Capo, G. Bensi, F. Doro, J.L. Telford, N. Norais, G. Grandi (*Siena, Italy*)

**A 2DE APPROACH TO INVESTIGATE CO<sub>2</sub> METABOLISM OF *STREPTOCOCCUS THERMOPHILUS***

P. Roncada, A. Crippa, S. Arioli, S. Corona, G.F. Greppi, D. Mora (*Milan, Pavia, Italy*)

**E-PROXEMIS : A BIOINFORMATICS LEARNING PORTAL FOR PROTEOMICS**

G. Rossier, F. Lisacek, R. D. Appel (*Geneva, Switzerland*)

**STUDY ERBB2 SIGNALLING USING A MASS SPECTROMETRY METHOD COMBINING METABOLIC LABELLING AND MULTIPLE REACTION MONITORING**

F. Roux, A. Di Cara, R. Sack, D. Hess, C. Heinrich, R. Portmann, N.E. Hynes, J. Hofsteenge (*Basel, Switzerland*)

**PROTEOMIC DIFFERENTIAL EXPRESSION ANALYSIS OF OSTEOARTHRITIS-RELATED PROTEINS IN HUMAN ARTICULAR CHONDROCYTES**

C. Ruiz-Romero, M.J. López-Armada, V. Carreira, M.C. Fernández, F.J. Blanco (*La Coruña, Spain*)

**AUTOMATIC SPOT CLASSIFICATION IN 2DE GEL ANALYSIS**

M. Rye (*Trondheim, Norway*)

**A NEW TOOL FOR 2DE-FREE QUANTITATIVE PROTEOMICS: SELECTIVE ISOLATION OF LYSINE-FREE TRYPTIC PEPTIDES DELIMITED BY ARGININE RESIDUES**

A Sánchez, L.J. González, Y. Ramos, L. Betancourt, J. Gil, V. Besada, J. Fernández-de-Cossio, F. Alvarez, G. Padrón (*Havana, Cuba*)

**2DE-FREE QUANTITATIVE PROTEOMICS BY USING THE SELECTIVE ISOLATION OF MULTIPLY-CHARGED PEPTIDES**

A. Sánchez, L.J. González, L. Betancourt, J. Gil, V. Besada, J. Fernández-de-Cossio, F. Alvarez, G. Padrón (*Havana, Cuba*)

**SERUM PROTEOMIC ANALYSIS OF SCLERODERMA PATIENTS**

C. Scambi, G. Barausse, A. Biondani, F. Poli, S. Crobu, I. Zarina, F. Deriu, P. Roncada, L.M. Barbara (*Verona, Milano, Italy*)

**EXPLORING CELL SURFACE PROTEOMES – SPECIFIC IDENTIFICATION AND QUANTIFICATION OF DROSOPHILA PLASMA MEMBRANE GLYCOPROTEINS VIA MASS SPECTROMETRY**

R. Schiess, L. Müller, M. Müller, B. Wollscheid, J. Watts, R. Aebersold (*Zurich, Switzerland. Seattle, WA, USA*)

**NEW FLUORESCENCE DYES FOR PROTEIN GEL STAINS**

B. Schönenberger, P. Nording, S. Yarmoluk, A. Rück, M. Bäumle, F. Wahl (*Buchs, Switzerland. Kiev, Ukraine*)

**THE C. ELEGANS COMPREHENSIVE PROTEOME INITIATIVE: GENERATION OF A COMPREHENSIVE, OPEN-ACCESS DATABASE OF THE C. ELEGANS PROTEOME**

S.P. Schrimpf, M. Jovanovic, L. Reiter, J. Malmström, F. Potthast, E. Brunner, R. Aebersold, M.O. Hengartner (*Zurich, Switzerland*)

**ALZHEIMER'S DISEASE – DIFFERENTIAL ANALYSIS OF MODIFIED PROTEINS IN AN UBB<sup>+1</sup> TRANSGENIC MOUSE WITH ENDOGENOUS PROTEASOME INHIBITION**

T. Schulenburg, F.W. van Leeuwen, H.E. Meyer, K. Marcus (*Bochum, Germany. Amsterdam, The Netherlands*)

**PROTEOMIC ANALYSIS OF HUMAN SPERM MEMBRANE MICRODOMAINS**

F. Secciani, L. Bianchi, L. Ermini, A. Armini, R. Focarelli, F. Rosati, L. Bini (*Siena, Italy*)

**PROTEOME-BASED ANALYSIS OF T CELL EPITOPES AND T CELL RESPONSES BY PROTEOME-BASED ANALYSIS**

B. Seliger, R. Lichtenfels, S. Dressler, K. Kronfeld, J. Bukur, S. Stevanovich (*Tuebingen, Germany*)

**DISCOVERY AND VERIFICATION OF EARLY STAGE BIOMARKERS FOR METASTATIC LUNG CANCER USING ITRAQ<sup>TM</sup> REAGENTS AND MULTIPLEXED MRM ASSAYS**

T. Settineri, K. Chisholm, Y. Xu, M. Alaoui-Jamali, D. Pinto (*Foster City, CA, USA. Halifax, Montreal, Canada*)

**OPTIMISATION OF SECOND DIMENSION GRADIENTS FOR 2D-PAGE ANALYSIS OF HUMAN PLASMA**

J. Shaw, R. Tonge (*Macclesfield, Cheshire, UK*)

**LARGE-SCALE QUANTITATIVE PROTEOMIC ANALYSIS OF MOUSE EMBRYONIC STEM CELLS: 2D-LC PROTEIN SEPARATION (PF2D), IDENTIFICATION, ITRAQ QUANTITATION AND WHOLE MASS DETERMINATION**

S. Sheng, S. Elliott, D. Chen, M. Gucek, R. Cole, D. Crider, Y. Tarasova, A.Olsson, O. Forsstrom-Olsson, K. Boheler, J. Van Eyk (*Baltimore, MD, USA. Lund, Sweden*)

**COMPREHENSIVE APPROACHES FOR GENERATION AND EVALUATION OF ANTI-MKIAA ANTIBODIES**

K. Shimada, M. Nagano, M. Murakami, K. Usui-Aoki, K. Imai, S. Yuasa, S. Inamoto, R. Ohara, R. Kikuno, N. Okazaki, T. Nagase, O. Ohara, H. Koga (*Chiba, Tokyo, Kanagawa, Japan*)

**USING TWO-DIMENSIONAL LIQUID SEPARATION OF PROTEINS TO MONITORE DEVELOPMENT OF RESISTANCE TO CYCLIN-DEPENDENT KINASES INHIBITION**

H. Skalnikova, P. Halada, P. Novak, M. Hajdich, J. Moos, V. Filova, H. Kovarova (*Libechov, Prague, Olomouc, Czech Republic*)

**THE SIGNIFICANCE OF MOLECULAR SAMPLE INTEGRITY IN BRAIN PROTEOMICS AND PEPTIDOMICS: PEPTIDES AS SAMPLE QUALITY INDICATORS**

K. Sköld, M. Svensson, P. Svenningsson, P.E. Andrén (*Uppsala, Stockholm, Sweden*)

**APPLICATIONS OF PRESSURE CYCLING TECHNOLOGY (PCT) TO SAMPLE PREPARATION FOR TWO-DIMENSIONAL GEL ELECTROPHORESIS**

G.B. Smejkal (*Woburn, MA, USA*)

**PROTEINS ASSOCIATED WITH CISPLATIN RESISTANCE IDENTIFIED USING 2D GEL ELECTROPHORESIS AND MALDI-TOF MASS SPECTROMETRY**

L. Smith, M.B. Watson, K.J. Welham, M.J. Lind, L. Cawkwell (*Hull, UK*)

**NOVEL ANTIBODY MICROARRAY TECHNOLOGY IN THE ANALYSIS OF DOXORUBICIN-RESISTANT BREAST CANCER CELLS**

L. Smith, S.L. O'Kane, M.B. Watson, M.J. Lind, L. Cawkwell (*Hull, UK*)

**VARIANCE WITHIN GEL-BASED MULTI-FLUORESCENT LABELLING EXPERIMENTS OBSERVED WITH DIFFERENT 2-D ANALYSIS SOFTWARE**

W.-D. Stalz, M. Pekelis, C. Schultz (*Hercules, CA, USA*)

**ELABORATION OF AN AUTOMATED REPROCESSING PIPELINE FOR ANALYSING HETEROGENIC DATA OF THE HUPO BRAIN PROTEOME PROJECT PILOT PHASE**

C. Stephan, K.A. Reidegeld, M. Hamacher, A. van Hall, K. Marcus, C. Taylor, P. Jones, R. Apweiler, L. Martens, G. Körting, C. Scheer, H. Thiele, M. Blüggel, H.E. Meyer (*Bochum, Dortmund, Bremen, Germany. Hinxton, UK. Ghent, Belgium*)

## **IDENTIFICATION OF FUNGAL SPORE PROTEINS RELEVANT IN TERMS OF HOST-GUEST INTERACTION**

M. Sulc, J. Michalova, K. Peslova, M. Zabka, V. Havlicek (*Prague, Czech Republic*)

## **A PROTEIN INTERACTION NETWORK LINKED TO THE MAMMALIAN GPCR RHODOPSIN**

M. Swiatek-de Lange, A. Chatr-aryamontri, M. Beer, G. Cesareni, M. Ueffing (*Munich-Neuherberg, Germany. Rome, Italy*)

## **EVALUATION OF PRE-ANALYTIC INFLUENCE OF SAMPLE COLLECTION/HANDLING METHODOLOGIES ON SERUM PROTEOME IS KEY IN BIOMARKER DISCOVERY AND ASSAY DEVELOPMENT**

D. T'Jampens, E. Arslan-Low, J.F. Timms, A. Gentry-Maharaj, J. Ford, A. Gammerman, Z. Luo, U. Menon, E. T. Fung, I. Jacobs (*London, UK. CA, USA*)

## **A MEMBRANOME APPROACH TO IDENTIFY ANTIBODY CANDIDATES WITH APPLICATIONS IN ONCOLOGY**

F. Talamo, L. Orsatti, B. Bartolini, A. Lahm, M. de Rinaldis, A. Luzzago, C. Santini, M. Arcuri, A. De Pra, T. Brancaccio, A. Bellini, R. Tafi, M. Ambrosio, M.A. Nasti, M.G. Bigotti, A. Vitelli, M. Pezzanera, V. Ammendola, A. Sbardellati, P. Monaci, F. Palombo, S. Colloca, A. Nicosia, A. Pessi, G. Ciliberto, R. Cortese (*Pomezia, Rome, Italy*)

## **PROTEOMIC APPROACH TO THE STUDY OF *SACCHAROMYCES CEREVISIAE* COMMITTED TO PROGRAMMED CELL DEATH**

C. Tani, F. Magherini, A. Armini, T. Gamberi, A. Modesti, L. Bini (*Siena, Florence, Italy*)

## **CSF PROTEOMIC ANALYSIS IN NORMAL PRESSURE HYDROCEPHALUS PATIENTS FOR THE IDENTIFICATION OF CANDIDATE BIOMARKERS OF RESPONSE TO SURGICAL TREATMENT**

A. Terreni, A. Caldini, B. Salvadori, A. Scollato, N. Di Lorenzo, G. Mastrobuoni, S. Francese, G. Pieraccini, G. Moneti, A. Ognibene, L. Bini, G. Messeri (*Florence, Siena, Italy*)

## **BIOMARKER DETECTION IN FISH AND FROG EXPOSED TO ENDOCRINE DISRUPTING CHEMICALS**

C.C. Tolfsen, L.V. Sundbäck, T. Søfteland, R. Urbatzka, S. Maggioni, L. Viganò, W. Kloas, A. Mandich, E. Benfenati, A. Goksoyr, B.E. Grøsvik (*Bergen, Norway. Berlin, Germany. Genova, Milan, Italy*)

## **A PEPTIDE'S ISOELECTRIC POINT IS AFFECTED BY THE POSITION OF COMPRISING CHARGED GROUPS**

K. Uhlén, L. Hörnsten, D. Fenyő, B. Bjellqvist (*Uppsala, Sweden. New York, NY, USA*)

## **EFFECT OF CREATINE ON THE PROTEOME OF DIFFERENTIATING MYOBLASTS EXPOSED TO OXIDATIVE STRESS**

L. Vallorani, L. Casadei, C. Martinelli, R. Curci, P. Sestili, A.M. Gioacchini, M. Guescini, E. Falcieri, V. Stocchi (*Urbino, Italy*)

## **PROTEOME AND PHYSIOLOGICAL CHARACTERIZATIONS OF OXIDATIVE-STRESS RESPONSE AND OxyR-REGULON IN *RHIZOBIUM ETLI* DURING SYMBIOSIS WITH *PHASEOLUS VULGARIS* AND FREE LIFE**

M.C. Vargas, S. Encarnación, A. Reyes, G. Martinez, S. Contreras, M. Hernández, Y. Mora, J. Mora (*Cuernavaca, Mor. México*)

## **TOWARDS A LARGER MUSCLE PROTEOME DATASET BY COUPLING MULTIDIMENSIONAL CHROMATOGRAPHY (MDLC) AND 2D-DIGE**

M. Vasso, S. De Palma, A. Viganò, M. Ripamonti, D. Capitanio, M. Moriggi, C. Gelfi (*Milano, Italy*)

## **THE GLYCOPROTEOME AS A SOURCE OF MARKERS AND THERAPEUTIC TARGETS IN RENAL CANCER**

N.S. Vasudev, R.E. Ferguson, P.J. Selby, R.E. Banks (*Leeds, UK*)

## **PROTEOMIC ANALYSIS OF NOVEL SET-BINDING PROTEINS**

J. Vera, J.M. Estanyol, F. Llorens, N. Agell, E. Itarte, O. Bachs, M. Jaumot (*Barcelona, Bellaterra, Spain*)

## **PROTEOMIC CHARACTERIZATION OF *BUBALUS BUBALIS* MILK FAT GLOBULE USING 2D-DIGE TECHNOLOGY**

M. Verani, D. Perini, C. Trombetta, R. Cianti, L. Bianchi, C. Tani, A. Armini, V. Pallini, L. Bini (*Siena, Italy*)

## **ORBITRAP DISCOVERY AND IDENTIFICATION OF NOVEL BIOACTIVE PEPTIDES FROM THE SKIN OF THE MIDWIFE TOAD (*ALYTES OBSTETRICANS*)**

P.D. Verhaert, K. Miller, F. Maroto, V. Zabrouskov, H.H. Walgraave, L. Arckens, B. Van de Plas, S. Clerens, C. Shaw (*Delft, Netherlands. Leuven, Belgium. San Jose, CA, USA. Belfast, UK. Christchurch, New Zealand*)

## **ABSOLUTE LABEL-FREE LC-MS QUANTIFICATION OF DIAGNOSTIC GAUCHER DISEASE MARKERS**

H. Vissers, A. Wallace, J. Langridge, H. Aerts (*Manchester, UK. Amsterdam, The Netherlands*)

## **PROTEOMIC SIGNATURES OF *BACILLUS LICHENIFORMIS* – GENERAL AND SPECIFIC MARKER PROTEINS FOR STRESS AND STARVATION**

B. Voigt, K. Schaubitzer, D. Albrecht, A. Ehrenreich, S. Evers, K.-H. Maurer, G. Gottschalk, T. Schweder, M. Hecker (*Greifswald, Göttingen, Düsseldorf, Germany*)

**PIQS - PARENT ION QUANTITATION SCANNING**

A. Wahlander, P. James (*Lund, Sweden*)

**ANALYSIS OF LIQUID CHROMATOGRAPHY/MASS SPECTROMETRY DATA WITH THE MSIGHT SOFTWARE**

D. Walther, G. Bouchet, S. Catherinet, S. Pelhatre, M. Tuloup, P.M. Palagi, R.D. Appel (*Geneva, Switzerland*)

**PROTEOMIC ANALYSIS OF TUMOUR HYPOXIA IN NEUROBLASTOMA CELL LINES**

K. Wårell, P. James (*Lund, Sweden*)

**PROTEOME ANALYSIS OF *C. GLUTAMICUM*: STRATEGIES FOR THE DETECTION / IDENTIFICATION OF ALKALINE AND HYDROPHOBIC PROTEINS**

F. Weiland, C. Lück, A. Klaus, A. Görg (*Freising-Weihenstephan, Germany*)

**PULMONARY METABOLOMICS AND PROTEOMICS DATABASE AIDS THE ELUCIDATION OF MECHANISMS UNDERLYING SYNERGISTIC TOXICITY OF AIR POLLUTANTS**

A. Wheelock, K. Schmelzer, C. Destefano-Shields, B. Boland, M. Isbell, B. Hammock, A. Buckpitt, S. Goto (*Sweden. Kyoto, Japan. Davis, CA, USA*)

**PROTEOMIC ANALYSIS OF PROTEIN KINASES BY TARGET CLASS- SELECTIVE PRE-FRACTIONATION AND TANDEM MASS SPECTROMETRY**

J. Wissing, L. Jänsch, M. Nimtz, G. Dieterich, R. Hornberger, G. Kéri, J. Wehland, A. Ullrich, H. Daub (*Braunschweig, Martinsried, Germany. Budapest, Hungary*)

**FROM ANALYSIS TO PREDICTION OF HUMAN PROTEIN INTERACTIONS**

S. Zanivan, I. Cascone, C. Peyron, I. Molineris, C. Herrmann, M. Caselle, F. Bussolino (*Candiolo, Turin, Italy. Paris, France*)

**HOLLOW-FIBER FLOW FIELD-FLOW FRACTIONATION FOR HUMAN SERUM PROTEIN PROFILING**

A. Zattoni, D.C. Rambaldi, S. Casolari, P. Reschiglian, D. Parisi, A. Roda, M. H. Moon, B.R. Min, D. Roessner (*Bologna, Italy. Seoul, Korea. Dernbach, Germany*)

**TACKLING SAMPLE PREPARATION AND BIOINFORMATICS ISSUES FOR URINARY PROTEIN PROFILING BY MALDI-MS**

P Zerefos, J Prados, S Garbis, S Kossida, A Kalousis, A Vlahou (*Athens, Greece. Geneva, Switzerland*)

**IDENTIFICATION AND PARTIAL CHARACTERIZATION OF THE OSTEOCLAST SECRETORY VESICLE**

H. Zhao, J. Chappel, M. Croke, R. Townsend, S.L. Teitelbaum, F.P. Ross (*St Louis, MO, USA*)