

Poster Presentations: Monday, Sept 28th, 2009
Frontenac Room



Array Based Proteomics (A101 – A176)

A101 *ATP Triggered Cytokine Profiles in P2X7 Receptor Polymorphism Individuals*

X Yu, N Schneiderhan-Marra, TO Joos, M Schneider

A102 *MALDI-TOF Profiling of Breast Cancer Sera for Pattern Analysis*

V.S. Kumar Kolli, Bernard Seth, Luke Weaver, Jonathan L. Lustgarten, Vanathi Gopalakrishnan, David Malehorn, William Bigbee, Richard J. Mural, Craig D. Shriver

A103 *Signal Pathways Analysis Identified Rectal Cancer Patients that Respond to Neoadjuvan Treatment*

Francesca Galdi, Enzo Mammano, Mariaelena Pierobon, Lance Liotta, Emanuel Petricoin, Salvatore Pucciarelli, Emanuela Tessari, Marco Agostini, Francesco De Marchi, Antonino De Paoli, Claudio Belluco, and Donato Nitti

A104 *Transcriptome and Proteome Profiling of High- and Medium Copied Proteins of Chr-18*

Zgoda V, Kurbatov L, Andreevski T, Kopilov A, Melnik S, Yourasova O, Archakov A

A105 *“Host Tissue Damage” Signal ATP Impairs IL-12 and IFN γ Secretion in LPS Stimulated Whole Human Blood*

M Nalos, S Huang, R Sluyter, A Khan, B Santner-Nanan, R Nanan, A McLean

A106 *Bioinformatic Approach form Bottom-up Proteotyping*

A.L. Chernobrovkin, A.V. Lisitsa, E.A. Ponomarenko, A.I. Archakov

A107 *Surfactant-Assisted Shotgun Methods for Membrane Proteome Analysis*

DF Sun, F Wu, N Wang, Y Gong, L Li

A108 *Exploring Protein Networks using Epitope-tagged Knock-in Cell Lines and Affinity Purification Mass-Spectrometry*

Jing Song, Yelenna Skomorovska-Prokvolit, Sudipto Saha, Zhenghe Wang, Rob M. Ewing

A109 *Mapping Phosphotyrosine Signaling Network by Peptide and Protein Arrays*

Shawn S.C.Li, Huadong Liu, Courtney Voss, David Schbili, Haiming Huang, Lei Li

A110 *The SH2-domain Pilot Project - Protein Array Analysis of All Generated Binders*

P. Nilsson, M. Sundberg, R. Sjöberg, J.M. Schwenk, M. Uhlén

A111 *Proteomic Screening Discovers a Critical Protein/Pathway Regulated by ID4 in Mammary Gland Development and Tumorigenesis*

J. Dong, S. Huang, S. Ji, A. McGrath, T. Tong, X. Zhang, C. Creighton, M. Lewis, F. Sablitzky, and Y. Li

A112 *The Fc Receptor Supramolecular Complex From RAW Macrophages*

Veronica Barbisan, John Marshall

A113 *Towards a Next Generation Array-Based Plasma Profiling*

J.M. Schwenk, U. Igel, M. Neiman, F. Pontén, P. Nilsson, M. Uhlén

A114 *Integrated Functional Proteomics Research of Human Epididymal Secretary Sperm-Binding Proteins*

Li Jianyuan, Liu Fujun, Wang Haiyan, Liu Xin, Liu Juan, Li Ning, Jin Shaohua

A115 *X! Tandem to SQL Parser Permits Analysis of HUPO Blood Data by SAS*

Peter Bowden, Ron Beavis, John Marshall

A116 *Proteome Signature of Superior Temporal Gyrus and Effects of Anti-psychotic Drug Treatment in Non-human Primates*

Nilesh Tannu, Shixin Sun, Richard Pintal, Steven E Arnold, Scott E. Hemby

A117 *Protein Biomarkers in Radioresistant Cancer Cells Identified using Antibody Microarrays*

D ELFadl, L Smith, O Qutob, J Murphy, M B Watson, A W Beavis, V Garimella, P J Drew, M J Lind, L Cawkwell

A118 *Dynamic Proteomics Profile of Mesangial Cells in Response to High Glucose Conditions*

ZG. Li, P.Li, H.Liu, X. Dong, TT.Zhao

A119 *Characterization of Alpha-Amylase Produced from Bacteria Isolated from Soil at NWFP (Pakistan)*

Naaz Abbas, Lajber Khan, Hina Afzal, A R Shakoori

A120 *Elafin is a Biomarker of Graft Versus Host Disease of the Skin*

S.Paczesny, T. Braun, J. Hogan, JE. Levine, J. Crawford, H. Wang, V. Faca, Q. Zhang, S. Pitteri, A. Chin, S. Choi, C. Kitko, O. Krijanovski, P. Reddy, S. Mineishi, J. Whitfield, D. Jones, S. Hanash, JLM. Ferrara

- A121** *Global Proteome Survey Using Antibody-Based Arrays and Mass Spectrometry*
C Wingren, N Olsson, M Matsson, P James, D O'Connell, F Nilsson, D Cahill, CAK Borrebaeck
- A122** *Comparative Proteomic Profile of 36-week Old OLETF and LETO Renal Cortex Might Reveal a Role of Protein Post Translation Modification In Diabetic Nephropathy*
ZG. Li, P. Li, HJ. Zhang, TT. Zhao, K. Wang
- A123** *Pre-validation of Biomarker Signature for Pancreatic Cancer Using Recombinant Antibody Microarrays*
A Sandström, C Wingren, R Andersson, M Löhr, R Segersvärd, CAK Borrebaeck
- A124** *Quantitative Determination of the Amyloid-beta Peptide with Asp7 in Different Isomeric Forms*
I.A. Popov, M.I. Indeykina, S.A. Kozin, A.S. Kononikhin, O.N. Kharybin, A.A. Makarov, A.I. Archakov, E.N. Nikolaev
- A125** *The Fc Receptor Supramolecular Complex From Human Neutrophils*
Veronica Petrenko, Andy Jankowsky, John Marshall
- A126** *Automated Electron Transfer Dissociation of Large Peptides and Medium Size Proteins in a QTOF instrument on an LC time*
Christian Klein, Ralf Hartmer, Andrea Schneider, Carsten Stoermer, Oliver Raether, Desmond Kaplan, Melvin A. Park, Markus Lubeck
- A127** *Mucin Glycoforms Associated with Subtypes of Pancreatic Cancer Cells*
Brian B. Haab, Robert Anteckci, Yi-Mi Wu, David Monsma, Craig Webb, Venkat Keshamouni, Diane Simeone
- A128** *Effort of Green Tea Catechins on Copper-Assisted Human Serum Amyloid P using Mass Spectrometry*
Jiaxi Wang, Kirk Green
- A129** *Organellar Proteomics: Analysis of Proteins in Castor Bean (Ricinus communis) Leucoplasts*
F.C.S. Nogueira, T.L. Lustosa, C.B. Pinheiro, M.J. Da Silva, F.A.P. Campos, G.B. Domont
- A130** *Protein Identification Using SELDI Technology with MALDI TOF-TOF Analysis*
V Thulasiraman, S. Roth, M. Hammond, A. Bulman, F. Plows,
- A131** *Macromolecular Protein Complex Characterization via an Open-modification CXMS Pipeline*
Pragya Singh, Alexandre Panchaud, Richard A. Pfuetzner, Scott A. Shaffer, Eri Nakatani, Carlos E. Catalano, Samuel I. Miller, David R. Goodlett
- A132** *A New Strategy for Large Scale Quantitative Phosphoproteomics of Low Amount of Material*
Kasper Engholm-Keller, Martin R. Larsen
- A133** *Phosphoproteomics of Human Breast Epithelial Cells in Response to Treatment with TGFbeta and Heregulin-alpha1/EGF*
Min Jia, Serhiy Souchelnyskyi
- A134** *Automated Multiple Round Searches for Peptide/protein Identification*
B Shan, L Xin, W Yang, G Lajoie, B Ma
- A135** *New Multiplexed Detection Technologies for Protein Interaction Arrays*
Richard J. A. Goodwin, Kit Yee Tan, Susan Gannon, Sarah Cumming, Ekaterina McKenna, Andrew R. Pitt
- A136** *RAId_deNovo: using de novo Statistics to Combine Search Results from Multiple Scoring Functions and More*
Y.-K. Yu, G. Alves, A.Y. Ogurtsov
- A137** *Profiling With SELDI ProteinChips for Identification of Biomarkers with TOF-TOF Methodology*
S. Roth, V. Thulasiraman, M. Rusa, E. Ihle, M. Hammond, Gongyi Shi, Sam Fu, F. Plows
- A138** *RAId_DbS: Mass-Spectrometry Based Peptide Identification Web Server with Knowledge Integration*
G. Alves, A.Y. Ogurtsov, Y-K. Yu
- A139** *Development of an Electron Transfer Dissociation Capable Ultra High Resolution Orthogonal Quadrupole Time of Flight Mass Spectrometer*
Carsten Stoermer, Mike McDonell, Desmond A. Kaplan, Ralf Hartmer, Markus Lubeck; Oliver Raether, Melvin A. Park
- A140** *Antibody Capture and Identification of APP Fragments by Mass Spectrometry*
S. Roth, M. Rusa, F. Plows, V. Thulasiraman, S. Fu,
- A141** *Whole Proteome Tumor Antigen Arrays for Serological Assay of Melanoma and Non melanoma Skin Cancer Patients Utilizing a Low Cost Microarray Scanning System*
Tim Barder, Sara Forrester, Bryce P. Nelson, Dan Schwartz, Dan Clutter

A142 *Altered Glycosylation Pattern of Total Serum IgG in Patients with Rheumatoid Arthritis analyzed by MALDI-TOF MS*

Laurie Allen, Katrin Sparbier, Hassan Dihazi, Sabine Blaschke, Gerhard-Anton Mueller, Thomas Flad, Markus Kostrzewa, Arndt Asperger

A143 *Ion Funnel Transmission Increases Number of Protein Identifications in Complex Proteomics Samples*

Christian Klein, Markus Lubeck, Ralf Hartmer, Christoph Gebhardt, Andreas Brekenfeld, Andrea Schneider

A144 *Identification of Mosquito Salivary Gland Proteins and Determination of Parasite Infection*

Ali Kettani, Marcus Macht, Aditya P. Dash, Hebelero Romano, Arun Sharma

A145 *Pushing Toward to Next Generation Ion-Trap-MS: Consequent Adoption of Newest Technology in Ion Formation, Transfer and Trapping*

Andreas Brekenfeld, Christoph Gebhardt, Ralf Hartmer, Michael Schubert, Jonathan Wilson

A146 *The Role of Increased Resolution and Scan Speed of Ion Traps for Top-Down Proteomics with ETD/PTR*

Mike McDonnell, Christian Albers, Andreas Brekenfeld, Christoph Gebhardt, Ralf Hartmer

A147 *Sequence Characterization of Monoclonal Antibodies Based on a Combined LCMS/MS Approach Powered by Sophisticated Bioinformatics*

Michael Becker, Arndt Asperger, Matthias Witt, Peter Hufnagel, Romano Hebelero, Andrea Schneider, Ulrike Schweiger-Hufnagel, Marcus Macht

A148 *Generation, Validation and Publication of Proteomics Results Following Publications Guidelines*

Johathan Wilson, Ulrike-Schweiger Hufnagel, Detlev Suckau, Jörg Glandorf, Herbert Thiele, Peter Hufnagel

A149 *Quantitation of Phosphopeptides Using Chip-Based TiO₂ Enrichment and MRM Mass Spectrometry*

L. Cote, N. Tang, C. Miller, K. Waddell

A150 *Immunoproteomic Assay of Cell Wall Proteins of Sporothrix Schenckii*

E. Montserrat-Nevárez, N. Urtiz-Estrada, A. Pérez-Torres, C. Toriello-Nájera, E. López Romero, E. Ruiz Baca

A151 *Application of the Cancer/testis Antigens Chip onto Screening Biomarkers of Lung Cancer*

Qiang Shan, Xiaomin Lou, Ju Zhang, Huiying Sun, Xu Zhu, Siqi Liu, Ningzhi Xu

A152 *MALDI imaging: Interpretation of Gastric Cancer MALDI Images by Hierarchical Clustering*

Mike McDonnell, Arndt Asperger, Sören-Oliver Deininger, Matthias Ebert, Michael Becker, Arne Fütterer, Christoph Röcken

A153 *The Prognostic of IL-2 Level for Patients with TNM stage I Hepatocellular Carcinoma after Hepatectomy*

Hai-Jun Zhou, Yue Zhao, Jiong Shi, Li-Yun Fu, Jian Sun, Hua Huang, Yin-Kun Liu, Qing-Hai Ye, Zhen-Yu Hei, Kun Guo, Jin-Cai Wu, Hu-Liang Jia, Pei Chen, Qiong-Zhu Dong, Ning Ren, Dong-Mei Gao, Lun-Xiu Qin

A154 *Computational Analysis of Human Blood Proteins and Peptides by SQL Database*

Peter Bowden, Voitek Pendrak, Peihong Zhu, John Marshall

A155 *In-Depth Characterization of the N-glycosylation of Recombinant Monoclonal Antibodies by Means of MALDI and ESI Mass Spectrometric Analysis*

Michael Becker, Arndt Asperger, Dirk Wunderlich, Marcus Macht, Pierre-Olivier Schmit

A156 *Mining the Human Placenta Proteome \geq 5000 Proteins Deep using CID/ETD on a Novel Ion Trap Mass Spectrometer*

Simone Lemeer, Andrea Schneider, Markus Lubeck, Ali Kettani, Bernhard Kuster

A157 *Systemically Interpret Methylation Codes by CHiMPA and Permutation Array*

Huadong Liu, Mark T Bedford, Shawn Shun-Cheng Li

A158 *Quantitative Proteome Analysis of Colorectal Cancer by Acetylation Stable Isotope Labeling Method*

YB Zhang, YJ Ye, DH Shen, KW Jiang, H Zhang, S Wang

A159 *High-throughput Screening, Isolation and Analysis for Glycan-Binding Proteins*

Xiuxuan Sun, Gang Nan, Ganglong Yang, Chao Chen, Zheng Li

A160 *Increased Sequence Coverage in Complex Protein Digests by Consecutive, Targeted LC-MSMS Runs with both CID and ETD*

Laurie Allen, Andrea Schneider, Markus Lubeck, Reinaldo Almeida, Carsten Baessmann

A161 *Resolution and Accuracy at Speed – a New Technology Base for Axial MALDI - TOF*

J Höhdorf, A Resemann, M Kayser, A Holle, M Schürenberg, D Suckau, C Klein

A162 *Minimum Bias Analysis for Vaccine QC/QA and Biomarker Discovery*



J. Nagy, P. Tjossem, G. Taylor, P. Lewis, F. Pereira, S. Hassard, J. Hassard

A163 *Approach for Isotopic Distribution Deconvolution in Mass Spectra of Peptide Compounds*
Ilya A Agron, Dmitriy M. Avtonomov, Eugene Nikolaev

A164 *Secretome-Based Identification of Potential Head and Neck / Oral Squamous Cell Carcinoma Markers*
O. Masui, R. Ralhan, L. V. DeSouza, A. Matta, S. Ghanny, K.W. M. Siu

A165 *Mass Spectrometric and Peptide Chip Epitope Analysis of Autoantigens and Application to Diagnostics*
R. El-Kased, C. Koy, T. Deierling, P. Lorenz, S. Drynda, Z. Qian, Y. Li, J. Kekow, H.-J. Thiesen, M.O. Glocker

A166 *Rapid Protein Validation Assay Development Using Intelligent Software and Acquisition Strategies*
Sahana Mollah, Matthew M. Champion, Christie L. Hunter

A167 *Antibody Colocalization Microarray (ACM): A Scalable Chip for Multiplexed and Quantitative Protein Profiling*
M. Pla-Roca, E. Moreau, R. Leulmi, S. Tourekhanova, W. Luo, D. Juncker

A168 *High Density Protein Microarray Chip for Biomarker Discovery*
Donghui Ma, Youmin Shu, Li Min, Wei-Wu He

A169 *High Sensitivity Biomarker Detection Using Protein NanoArrays*
N. A. Amro, J. Ohayon, K. Rusniak, S. Rozhok, M. Coen

A170 *Lifestyle: a Key Modulator of Selective Protein Damage in Skeletal Muscle Mitochondrial Proteome*
R. Alves, R. Vitorino, P. Figueiredo, J. A. Duarte, R. Ferreira, F. Amado

A171 *Specificity Screening of Affinity Binders using High - end Antigenic Diversity Eexposed on Nanoarrays*
Lan Humphery-Smith, Vincent Saulot, Ali Ait-Ikhlef, Nathalie Duroure

A172 *High Throughput Cell-Based Studies and Protein Microarrays for Biomarker and Target Discovery*
Joshua LaBaer

A173 *Rapid Production of Custom Protein Arrays for Multiplexed Assays*
M. Urh, N. Nath, D. Creswell, K. Wood

A174 *Proteomic-Cell Biology Unravels HIV-1 Hijacking of Tunneling Nanotubes for Intercellular Spread in Monocyte-Derived Macrophages*
I. Kadiu, H.E. Gendelman

A175 *Immunoassays in Multiplex for Biased and Unbiased Proteomic Research*
TO Joos, MF Templin, D Stoll, O Poetz

A176 *Matrix Metalloproteinase (MMP) Activity Assay using an Array-based Spectral SPR Biosensor*
Se-Hui Jung, Deok-Hoon Kong, Kwon-Soo Ha

Assembling the Parts: Whole Cell Modeling (A201 – A205)

A201 *Interactions of Actin in RAW 264.7 Macrophages from the Fc Receptor Complex and in vitro Protein-Protein Analysis*

Angelica K. Florentinus, Peihong Zhu, Peter Bowden, and John G. Marshall

A202 *Whole Proteome N-terminal Peptide Isolation and Analysis from M. tuberculosis H37RV*

D. Sarracino, M. Chase, T. Rezai, B. Krastins, M. Athanas, A. Garces, S Fortune, M. F. Lopez

A203 *Two-dimensional Native/SDS PAGE Proteomic Approach for Analysis Membrane Protein Complexome under Proximately Physiological Conditions in Escherichia coli*

Jian-Yi Pan, San-Ying Wang, Xuan-Xian Peng

A204 *Membrane Proteomics: Putting the Peptide Jigsaw Back Together*

J Chick, A Lee, I Slapetova, P Haynes, G Robertson, N Packer, D Pascovici, L McQuade, MS Baker

A205 *Protein Complexes and Functional Pathways in Yeast and Bacteria*

Mohan Babu, Gareth Butland, J. Javier Diaz-Mejia, Pingzhao Hu, Shuye Pu, Gabriel Moreno-Hagelsieb, Sarath Chandra Janga, Shoshana Wodak, Andrew Emili, Jack Greenblatt

Cancer Proteome Biology and Medicine II (C601 – 606)

C601 *Proteomic Identification of RKIP at a Metastasis Suppressor Protein in Nasopharyngeal Carcinoma*

Y. Chen, ZQ Xiao

C602 *The Functional Role of PI3K for Personalized Cancer Treatment by Label-Free Targeted Proteomics*

X. Yang, J.A. Engelman, J.M. Asara

C603 *Early-Stage Breast Cancer Patients Have Active Degradome and Rich Blood Peptidome*

T Liu, Y Shen, N. Tolić, BO Petritis, R Zhao, RJ Moore, SO Purvine, DG Camp II, FJ Esteva, RD Smith

C604 *Analysis of Serum Peptidome in Cancers from Digestive System*

L Zhao, X Zeng, J Yang, HD Li, SR Shen

C605 *The Sea Around: Can the Secretome of Tumor Cells be a Mimetic Microenvironment? The Core Metastatic Signature Initiative*

A.M.A. Martins, A.A. Carvalho, R.P., Del Sarto, T.S. Silva, T.R. Lima, M.F. Grossi-de-Sa, C.H.S. Garcia, F. C. S. Nogueira, G.B. Domont, M.O.Moraes

C606 *Systematic -omics Analysis of HBV-associated Hepatocellular Carcinoma*

Fuchu He

Poster Presentations: Monday (Sept 28th, 2009) Metro West

Blood-Based Proteomics (B101 – B145)

B101 *Efficient Depletion of Albumin and IgG From Human Plasma Using New Prepacked Columns*

Staffan Lindqvist, Ann Bergh, Gunnar Glad, Ulf Hellberg, Lena Jonsson, Susanna Lindman, Inger Salomonsson

B102 *Alterations in Protein Composition of Plasma in Patients Suffering from Hypertrophic Cardiomyopathy*

J Lenco, V Tambor, M Link, A Fucikova, J Stulik, R Pudil

B103 *A Proteomic and Systems Biology Approach to Dissect Adenine as the Contributing Factor In Human Plasma for the Antifolate Resistance*

Pei-Ru Huang, Li-Te Chin, Kuang-Yu Hu, Nai-Kuei Huang, Chi-Hong Chu, Han-Min Chen

B104 *Alterations in Cellular Proteome and Secretome upon Differentiation of Monocyte to Macrophage: Insights into Biological Processes*

Kitisak Sintiprungrat, Nilubon Singhto, Supachok Sinchaikul, Shui-Tein Chen, Visith Thongboonkerd

B105 *Proteomic analysis revealing GNB1 and isoform of talin related to HIV infection*

Lijun zhang, Xiaofang Jia, Jianjun Sun, Chao Qiu, Xia Peng, Tangkai Qi, XiaoNan Zhang, Hongzhou Lu

B106 *Liquid Chromatography-Mass Spectrometry Metabonomic and Proteomic Technology for Discovering New Biomarkers of Liver Failure Caused by Hepatitis B Virus*

Lijun Zhang, Xiaofang Jia, Xia Peng, Chao Qiu, Qiang Ou, Yamin Yao, Fang Shen, Hua Yang, Xiuhua Peng, Zhenghong Yuan

B107 *Identification Of Plasma Proteomic Biomarkers In Hereditary Breast Cancer*

D. Scumaci, Marco Gaspari, Manuela Leone, Milena Saccomanno, Francesco Baudi, Giovanni Cuda

B108 *Development of a Rapid Serological Test for the Determination of Strongyloides Infection*

B.J. Pak, F. Vasquez-Camargo, S. Goyette, P.T. Smith, B.J. Ward, M. Ndao

B109 *Serum Proteins indicating Remission Status in Patients with Acute Myeloid Leukemia*

Seung-won Lee, In Jae Kim, Jae Ryoung Lee, Bo Yoon Jeong, Mun-Ho Choi, Myung-Geun Shin, Kyung-Hoon Kwon, Jin Young Kim, Jong Shin Yoo, Jay Kim

B110 *Selection and Validation of Human Liver Cancer Plasma Biomarker Candidates*

Ju Yeon Lee, Jin young Kim, Jeong Hwa Lee, Gun Wook Park, Kyung-Hoon Kwon, Young Ki Paik, Jong Shin Yoo

B111 *Early Protein Signatures of Diabetic Nephropathy: Moving toward Epidemiological Proteomics*

J. McGuire, J. Overgaard, H.G. Hansen, L. Pedersen, M. Lajer, L. Tarnow, P. Rossing, F. Pociot

B112 *Verification of Protein Biomarker Candidates in Blood: An MRM-Based Approach*

P.H. Zhu, S. Ackloo, G. Sardana, J. Chen

B113 *Low Abundance Endogenous Peptides of Normal Human Serum with Aqueous-Based Extraction from the Acetonitrile Pellet and Analysis by C18 Lc-Esi-Ion Trap*

Monika, Z. Tucholska, Declan G. Williams, John G. Marshall

B114 *Comprehensive Analysis of Short Peptides in Sera from Patients with IgA Nephropathy*

K Nagai, N Kaneshiro, Y Xiang, MS Kurokawa, K Okamoto, M Arito, K Masuko, K Yudoh, T Yasuda, N Suematsum, K Kimura, and T Kato

B115 *A proteomic approach to identify biomarkers for naturally occurring regulatory T Cells*
T Solstad, SJ Bains, B Thiede, K Tasken, KM Torgersen

B116 *Protein Profiles of Peripheral Blood Mononucleocytes are Useful for Discrimination of Ulcerative Colitis from Crohn's Disease*

M Hatsugai, MS Kurokawa, T Kouro, K Nagai, M Arito, K Masuko, N Suematsu, K Okamoto, F Ito, T Kato

B117 *Large-scale Proteomic Discovery of Candidate Biomarkers Predictive of Trauma Patient Outcomes*

Wei-Jun Qian, Brianne O. Petritis, Ronald J. Moore, Lyle L. Moldawer, Ronald V. Maier, Ronald G. Tompkins, David G. Camp, Richard D. Smith

B118 *Low Molecular Weight Serum Protein Analysis Using Acetonitrile Precipitation in Rheumatoid Arthritis*

Praveen Agrawala, Sarvanan Kumara, Rakha H. Dasb, Hasi R. Dasa

B119 *Diagnostic Cerebrospinal Fluid Proteome Profiling for Multiple Sclerosis*

Mika Komori, Yumiko Matsuyama, Takashi Nirasawa, Herbert Thiele, Takahiko Saida, Masami Tanaka, Hidekazu Tomimoto, Ryosuke Takahashi, Kei Tashiro, Takayuki Kondo, Masaya Ikegawa

B120 *Sensitive Peptidomics Profiling of Native Plasma Samples by Efficient Tandem Mass Tag Labeling*

Hans-Dieter Zucht, Petra Budde, Christian Baumann, Sasa Koncarevic, Karsten Kuhn, Thorsten Prinz, Peter Schulz-Knappe

B121 *Circulating Lamin B1 (LMNB 1) Biomarker Detects Early Stages of Liver Cancer Patients*

Stella Sun, John M. Luk

B122 *Human Uremic Erythrocytes: A Role for the Membrane Proteome*

G. Alvarez-Llamas, F. de la Cuesta, I. Zubiri, A. Ramos, M.G. Barderas, A. Ortiz, F. Vivanco

B123 *A Multidimensional Separation Strategy for Proteomic Profiling of Prostate Cancer Sera*

H.Chen, J. Martosella, V. Bhat, R. Kincaid

B124 *Proteomic and Glycomic Characterization of Glycoproteins for Prostate Cancer Detection*

Yan Li, Lori J. Sokoll, Sheng-ce Tao, Heng Zhu, Daniel W. Chan, Hui Zhang

B125 *Global Proteomic and Bioinformatic Strategies for the Analysis of Human Platelets*

GM Walsh, A Khosrovi-Eghbal, MD Hoffman, DM Evans, R Beavis, J Kast

B126 *Plasma Proteome Profiling In Fetal Growth Restriction*

MD Seferovic, K Chisholm, J Huynh, V Krughkov, VKM Han, D Pinto, MB Gupta

B127 *Serum Proteomics of Kawasaki Disease based on Multiprotein Complex Analysis*

Shinji Akioka, Takashi Shimada, Kenji Hamaoka, Masaya Ikegawa

B128 *Identification of Universal Vaccine Candidates against Gram-Negative Bacteria By The Combination Of Heterogeneous Antiserum-Based Immunoproteomics With Bacterial Challenge*

Hui Li, Xiao-Peng Xiong, Chang-Xin Xu, Ming-Zhi Ye, San-Ying Wang, Xuan-Xian Peng

B129 *A New Serum Marker for Endometriosis*

Hih-En Yi, Hsiao-Ling Wang, Shui-Tsung Chen, Chii-Ruey Tzeng, Andrew H-J Wang, Wei-Chung Vivian Yang

B130 *Determination of Candidate Biomarkers in Sera from Three Malignancies and Control Groups Using Isotopic Labels and Multiple Reaction Monitoring*

G.D. Williams, L.V. DeSouza, A.D. Romaschin, T.J. Colgan, R. Ralhan, J. Mukherjee, A. Guha, W.M. Siu

B131 *Cross-Sample Analysis of MRM-Based Plasma Protein Expression for Optimizing MRM Assays*

Sean L. Seymour, Leigh Anderson, Christie L Hunter

B132 *Assessment of Plasma Proteome Stability*

L. J. Zimmerman, R. J. Slebos, J. Coleman, M. Martinez, D. C. Liebler

B133 *Validation Study of Plasma Collection and Processing in the Presence of Protease Inhibitors*

A.Aguilar-Mahecha, M. Buchanan, M. Kuzyk, C. Borchers, M. Basik

B134 *Multiprotein Complexes in Serum Proteomics by 2D BN/SDS Gel Electrophoresis*

Masaya Ikegawa, Toshikazu Minohata, Yuzo Yamazaki, Nobuyasu Ito, Mika Komori, Takayuki Kondo, Hideshi Fujiwake

B135 *Plasma Proteome Changes in Rats Exposed to Cold Sea Water Environment*

Yuanyuan Qiao, Dajin Zhang, Hongjun Gao, Dapeng Wang, Jia Qu, Ming Xiong, Huaijie An, Peng Xie, Xiaohang Zhao

B136 *Quantitative Analysis of Chaotropic & Solvent Effects on the Trypsin Digestion of Human Plasma*

M. A. Kuzyk, J. Proc, A. Jackson, J. Yang, M. Elliot, N. L. Anderson, C. H. Borchers

B137 *Hepcidin-22 Produced In Urinary Space*

Naohisa Tomosugi, Hideyuki Tsuchida, Masato Higuchi, Shinobu Matsui

B138 *Glycoproteomics and Glycomics: A New Paradigm for Plasma Biomarker Discovery*

Hui Zhang

B139 *Blood-Based Exopeptidase Activities As Biomarkers For Cancer*

Paul Tempst

B140 *The Human Plasma Proteomic Response To Severe Burn*

A Kaushal, W Qian, M Jeschke, C Finnerty, D Camp, W Xiao, D Herndon, R Davis, R Smith

B141 *Validating Serum Protein Profiling for Early Stage Breast Cancer Diagnosis in a Large Case Control Study*

AK Callesen, RS Philosof, W Vach, T Martinussen, S Cold, O Mogensen, TA Kruse, ON Jensen, JS Madsen

B142 *The Human Proteome Project 2009 Analysis of the Raw Serum Peptidomic Pattern of Glioma*

Li Zheng, Zeng Xi, Yang Jing, Li Hongdong, Li Guiyuan

B143 *The Human Proteome Project #X Analysis of Serum Peptidomic Patterns for Nasopharyngeal Carcinoma Diagnosis*

X Zeng, L Zhao, J Yang, HD Li, GY Li

B144 *Toward the Proteome of the Human Peripheral Blood Eosinophil*

C Straub, Pazdrak, TW Young, SJ Stafford, Z Wu, JE Wiktorowicz, AM Haag, RD English, KV Soman, A Kurosky

B145 *Isolating the low-molecular weight ($\leq 25K$) component of the human plasma proteome*

D.W. Greening, R.J. Simpson

C.Elegans and D. Melanogaster Proteomics (C101 – C104)

C101 *Phosphopeptide Isolation from Caenorhaditis elegans using the CE PrEP, PCT, and PhosphoScan Technologies*

Gabrielle E. Giese, Gary B. Smejkal, Feixia Chu, John J. Collins, Winston P. Kuo

C102 *Proteomic Analysis of O-GlcNAcylation during Dauer Formation in Caenorhabditis Elegans*

J Lee, KY Kim, J Lee, YK Paik

C103 *The SILAC Fly Allows for Accurate Protein Quantification in vivo*

MD Sury, J-X Chen, M Selbach

C104 *Elucidation of DAF-16 Cofactors in C. elegans using a Quantitative GFP Immunoprecipitation*

Bryan Fonslow, Andrew Dillin, John Yates III

Cardiovascular Proteome Biology and Medicine (C301 – C324)

C301 *Targeted Proteomic Analysis of Potential Biomarkers of Hypertrophic Cardiomyopathy*

A Fucikova, M Hubalek, J Lenco, J Stulik, R Pudil

C302 *A Proteomic Study of Hypertension using Quantitative Assays on a Congenic Rat Model*

Richard J. A. Goodwin, Heather Allingham, A. Michael Lang, Andrew R. Pitt

C303 *Differential Proteomic Analysis of the Plasma of Swines with Chronic Myocardial Ischemia*

L Liu, W Wang, P Li, SZ Guo

C304 *IEF-LC-MALDI Analysis of Rat Model of Chronic Heart Failure Using iTRAQ Labels*

J. Petrak, J. Pospisilova, L. Lorkova, P. Jedelsky, M.Sedinova, J. Zivny, H. Strnad, M. Kolar, J. Benes, V. Melenovsky

C305 *Indepth Proteomic Analysis of Coronary Vasculature*

C.A. McManus, A. Robinson, C. dos Remedios, M.L. Rose, M.J. Dunn

C306 *Detection and Site Identification of Nitroxyl Induced Thiol Modifications Using a Modified Biotin Switch Assay*

CI Murray, W Gao, N Paolocci, J Van Eyk

C307 *Development of a Sequential Immunoassay for Characterizing Circulating Cardiac Troponin*

Y Lin, Q Fu, J Zhu, W Hu, KE Keith, JE Van Eyk

C308 *An Optimal Protocol for the Proteomic Analysis of Stenotic Aortic Valves*

T. Martin Rojas, F. Gil Dones, L. F. Lopez-Almodovar, R. Juarez-Tosina, F. de la Cuesta, G. Alvarez-Llamas, F. Vivanco, Luis R. Padial, Maria G. Barderas

C309 *Proteomic Profiling Of The Cardiomyocyte Plasma Membrane*

Parveen Sharma, Alex Ignatchenko, Nicolas Bousette, Andreas Evangelou, Anthony O. Gramolini, Thomas Kislinger

C310 *The Proteomic Elucidation of Calcineurin Mediated Cyto-Protection*

N. Bousette, S. Chugh, T. Kislinger, M.H. Wan, A.O. Gramolini

C311 *Proteomic Characterization of the Murine Heart*

N. Bousette, Thomas Kislinger, Vincent Fong, Ruth Isserlin, Johannes Hewel, Andrew Emili, Anthony O. Gramolini

C312 *Identification and Characterization of Cell-Surface Associated Proteins of the Human Heart*

M.A. Noronha, P. Sharma, V. Ignatchenko, T. Kislinger, A.O. Gramolini

C313 *Proteomic Survey of a Mouse Model of Dilated Cardiomyopathy Reveals microRNA Modulation*

MH Wan, D.Merico, R Isserlin, GD Bader, A Emili, AO Gramolini

C314 *Creation of a Transgenic Mouse Line That Over-Expressing Txnd4 Protein*

S. Singh, P. Sharma, A.O. Gramolini

C315 *Candidate Biomarkers for Thoracic Aortic Aneurysms: A Novel Platform for Biofluids*

J. E. Wiktorowicz, Z. Wu, K. Soman, D. Guo, D.M. Milewicz, A. Brasier, A. Kurosky

C316 *Targeted Analysis of Transgenic Mice associated with Familial Hypertrophic Cardiomyopathy*

Qian Xu, Susan Nguyen, Rylie Siu, Shannamar Dewey, Aldrin Gomes

C317 *Quantitative Signatures of Cardiac Hypertrophy and Failure using Mass Spectrometry and Bioinformatics*

S Warburton, AK Paulsson, SB Mitchell-Jordan, S Ren, M Zhang, Y Li, P Ping, Y Wang, TM Vondriska

C318 *Role of Profilin-1 in Endothelial Cell Dysfunction in Ouabain-Treated Endothelial Cells Revealed by Proteomics Study*

Qiu J, Gao HQ, Zhao GX, Qie LY, Lu WD

C319 *Characterization of Nitrated Tyrosine Residues in Succinyl-CoA: 3-oxoacid CoA transferase (SCOT) of Heart Mitochondria*

Yuan Wang, Fuli Peng, Haidan Sun, Ningzhi Xu, Siqi Liu

C320 *Proteomic Analysis of Homocysteine Induced Proliferation of Cultured Neonatal Rat Vascular Smooth Muscle Cells*

XiaoHua Liu, Rui Zhan, XingXing Wang, LingJia Qian

C321 *Proteomic Analysis of Human LDL Reveals the Presence of PCL1, a H2O2-Generating Enzyme*

M Brioschi, R Wait, S Barcella, E Tremoli, C Banfi

C322 *Plasma Proteomic Biomarkers of Acute Heart Transplant Rejection*

WR McMaster, G Cohen Freue , A Bergman, A Meredith, M Sasaki, Z Hollander, D Lin, N Opushneva, J Wilson-McManus, R Balshaw, R Ng, C Borchers, P Keown, B McManus

C323 *Vimentin Interacts with hnRNPs and Dengue NS1 Protein and Its Role in Viral Replication and Release*

Rattiyaporn Kanlaya, Sa-nga Pattanakitsakul, Supachok Sinchaikul, Shui-Tein Chen, Visith Thongboonkerd

C324 *How Protein Networks Impinge on Genomic Networks, Causing Heart Cells to Fail*

Thomas M. Vondriska

Chemical Proteomics (C401 – C417)

C401 *Development of Novel Fluorescent Reagents for Easy and Highly Sensitive Detection of Proteins*

Y. Suzuki, K. Yokoyama

C402 *Mode of Action Analysis of Sorafenib by Integrating Chemical Proteomics and Phosphoproteomics*

A Tebbe, M Klammer, M Kaminski, F Ulrich, S Wandinger, S Muller, A Jenne, C Schaab, K Godl

C403 *Substantial Gain in Reproducibility/Precision in Quantitative Proteomics Assays by Targeted Analysis*

Mikhail Savitski, Frank Fischer, Gavain Sweetman, Marcus Bantscheff

C404 *Small Molecule Capture Compounds - Towards a Targeted Reduction of Proteome Complexity*

E Duelsner, A Alici, C Jurinke, H Koester

C405 *Poly (Methyl Methacrylate) Microchip Gel Isotachopheresis for Simultaneously Separation and Concentration of Bovine Serum Albumin and its Immunocomplex with Monoclonal Antibody*

C406 *Quantitative Chemical Proteomics Investigation of the Bisindolylmaleimide Binding Proteome in a Phorbol Ester Stimulated Breast Cancer Cell Line*

Sibasish Dolai, Fei Liu, Mark P. Molloy

C407 *Protein Complex Discovery Using Chemical Proteomics*

Ken Aoshima, Masako Kawabata, Masumi Takahashi, Yuji Miura, Yasutaka Takase, Takashi Owa, Hiroyuki Katayama, Tsuyoshi Tabata, Junro Kuromitsu, Yoshiya Oda

C408 *Proteomic Analysis of the European Clone Staphylococcus Aureus Exoproteins*

S. Enany, Y. Yoshida, S Magdeldin, B. Xu, Y. Zhang, E. Yaoita, T. Yamamoto

C409 *CCMS Technology – A Unique Tool for the Investigation of the Human Kinome*

OY Baessler, JJ Fischer, C Dalhoff, S Michaelis, M Dreger, M Glinski, M Sefkow, H Köster

C410 *A Label- and Immobilization-Free Proteomic Approach for Identifying the Targets of Drugs*

J Chan, L Sleno, J Olsen, Y Wang, M Musteata, A Emili

C411 *Insights into the Progressing of Formaldehyde Cross-linking by Time-Course Studies*

X Ding, J Kast

C412 *Development of A Quantitative Method to Study the Nitroxyl-induced Modifications*

L Lin, M D Hoffman, G M Walsh, J C Rogalski, J Kast

C413 *Phosphoproteomics of Klebsiella Pneumoniae Ntuh-K2044 Reveals a Tight Link Between Tyrosine Phosphorylation and Virulence*

Miao-Hsia Lin, Tung-Li Hsu, Shu-Yu Lin, Jia-Tsong Jan, Jin-Town Wang, Kay-Hooi Khoo, Shih-Hsiung Wu

C414 *Identification of a New Biomarker Against Genotoxic Carcinogens*

Yeon Jung Lee, Yhun Yhong Sheen, Sue Nie Park, Jong Shin Yoo, Ho Jeong Kwon

C415 *Functional Proteomics Identifies EEF1D as a Biomarker for CK2 Inhibition*

L Gyenis, J S Duncan, D W Litchfield

C416 *Two Novel Strategies for a Targeted Proteomic Analysis of Protein Citrullination*

M Stensland, AEV Tuttoren, A Holm, A Kiehne, B Fleckenstein

C417 *cAMP Capture Compounds: Fishing Rod for the Identification of cAMP Signaling Pathway Proteins*

Y Luo, OY Baessler, C Blex, M Glinski, M Sefkow, M Dreger, H Köster

Poster Presentations: Monday (Sept 28th, 2009) Harbour Ballroom

Cancer Proteome Biology and Medicine I (C201 – C299)

C201 *Novel Biomarker Candidates for Well Differentiated Thyroid Cancer*

A.Sofiadis, J.Zedenius, G.Wallin, T.Foukakis, A.Hoog, S.Becker, J.Lehtio, R.Lewensohn, G.Auer, C.Larsson

C202 *Functional Proteomic Analysis of Active Serine Proteinases in Ovarian Cancer Ascites Fluid*

K. Oikonomopoulou, I. Batruch, C.R. Smith, A. Soosaipillai, M.D. Hollenberg, and E.P. Diamandis

C203 *Identification of Lymphoma-associated Vascular Accessible Antigens Using DeepQuanTR*

C Roesli, C Schliemann, H Kamada, B Borgia, T Fugmann, and D Neri

C204 *Complementary Quantitative Proteomics Reveals an AP-4 Complex Repressing HDM2 Expression*

WC Ku, SK Chiu³, YJ Chen, HH Huang, WG Wu, and YJ Chen

C205 *Development of an Anti-tumor Blood Vessel Specific Antibody Using Phage Antibody Library*

Takuya Yamashita, Naoki Utoguchi⁴, Takayuki Okamura, Kazuya Nagano, Yasuhiro Abe, Haruhiko Kamada, Shin-ichi Tsunoda, Yasuo Tsutsumi

C206 *PRA1 Knockdown-associated Dysregulated Proteins in Nasopharyngeal Carcinoma Cells*

Hao-Ping Liu, Chih-Ching Wu, Hung-Yi Kao, Yi-Chuan Huang, Cha-Wei Hsu, Jau-Song Yu, and Yu-Sun Chang

C207 *HnRNP-K Is a Novel Binding Protein of YAP in Hepatocellular Carcinoma*

Michelle Z. Xu and John M. Luk

C208 *Human Liver Proteomics between Early and Late Recurrence of Hepatocellular Carcinoma*



M Esumi, H Yamaguchi, K Kuroda, Y Munekata, M Sugitani, K Hasegawa, T Mamiya, T Takayama, M Mitsumata

C209 *Proteomic Approach of Multiple Parallel Chromatographies for Identification of Tumor Related Antigens*
J Mun, Y-H Kim, M-H Yu, C Lee

C210 *Over-expression of Glyoxalase I in Human Gastric Carcinoma Determined by the Proteomic Approach*
CI Tsai, CS Wang, WC Lin, IW Chao, and KH Lin

C211 *Over-expression of Gelsolin in Human Cervical Cancer Determined by the Proteomic Approach*
JY Chen, TC Chang, CY Shu, CC Chuang, KH Lin

C212 *Nucleophosmin as a Prognostic Biomarker of Ewing Sarcoma Revealed by Proteomics*
K Kikuta, S Hirohashi and T Kondo

C213 *Identification of Proteomic Differences Between Squamous Cell Carcinoma of the Lung and Bronchial Epithelium*
G. Poschmann, B. Sipos, B.Sitek, A. Lenzian, C. Stephan, B. Warscheid, G. Klöppel, F. Ramaekers, H. E. Meyer, K. Stühler

C214 *Determining the Mechanisms of Action of a COX-2 Inhibitor in Mesothelioma Using Antibody Microarrays*
G. L. Eagle, M. Lind, L. Cawkwell

C215 *Cdk-dependent Phosphorylation Regulates Localization and Interaction of DDK with Chromatin*
JW Knockleby, BJ Kim, H Lee

C216 *Phosphoproteome Analysis of Breast Cancer Signaling Regulated by an EGFR1/HER2 Kinase Inhibitor*
K Imami, N Sugiyama, Y. Kyono, M Tomita, and Y Ishihama

C217 *Identification of Cancer Specific Secreted Proteins by Integrative Proteomics and Bioinformatics Analysis*
Li-chieh Julie Chu, Yi-hsuan Shannon Tsai, Xuefeng Fung, Ramalingam Rajkumar, Ying Sonia Ting, Scott A. Shaffer, Priska von Haller, Yeou-Guang Tsay, David R. Goodlett, and Wailap Victor Ng

C218 *Circulating Vimentin as a Novel Serological Marker for Detection of Small (≤ 2 cm) Hepatocellular Carcinoma*
Stella Sun, Ronnie Poon, Phillip Day and John Luk

C219 *Degradation Profile of Metastasis Hepatocellular Carcinoma for Apoptosis Related Network Study*
Yu Yanyan, Shen Huali, Shen Chengpin, Liu Mingqi, Li Hong, Yan Guoquan, Yang Pengyuan

C220 *Deciphering the Degradome of Matrix Metalloproteinases in Breast Carcinogenesis*
Philipp F. Lange, Ulrich auf dem Keller, Anna Prudova, Christopher M Overall

C221 *Investigating Biomarkers using Glioma Cell Lines and Plasma from Glioma Patients*
R V Polisetty, M K Gupta, Shivani, A Shiras, A Kumar P, A Praveen, A K Purohit, C Sundaram, R Sirdeshmukh

C222 *STRIPAK: A Novel PP2A Complex Identified by High-Density Mass Spectrometry*
LM D'Ambrosio, M Goudreault, M Kean, M Mullin, BG Larsen, A Sanchez, S Chaudhry, GI Chen, F Sicheri, AI Nesvizhskii, R Aebersold, B Raught, AC Gingras

C223 *Cancer Degradomics: Semaphorin 3C Processing by ADAMTS1 and ADAM17 Affects Cell Migration*
C.W. Esselens, J. Malapeira, N. Colomé, J. Arribas, F. Canals, W. Jabs, D. Suckau, C. Baessmann

C224 *Development of MRM-MS Methodology to Measure Peptide Biomarkers in the Prognosis of Prostate Cancer*
AK Yocum, R Zhao, AP Khan, GS Omenn, and AM Chinnaiyan

C225 *Global Proteome Analysis of DNA Mismatch Repair Reveals Novel Aspects of MMR Biology*
P Halvey, Jim Ayers, S Stamer, D Liebler, R Slebos

C226 *Proteomic Profiling of Colon Cancer Cell HCT116 Overexpressing Frataxin*
Q Lin, XF Tan, XZ Bi, RM Zubaidah, TK Lim and CL Hew

C227 *The Application of Plasma Proteomic Patterns for Detection Patients with Lung Adenocarcinoma*
Valeriy E. Shevchenko, Natalia E. Arnotskaya, Elena Isaeva, Bakhrom Akhmedov, Irina Zborovskaya, Boris Polotskii

C228 *Quantitative Proteomics Study of Breast Cancer Cell Lines Isolated from a Single Patient: Discovery of TIMM17A as a Breast Cancer Marker*
Xiaoen Xu, Meng Qiao, Yinghua Jiang, Bo Gu, Ping Wei, Yaqi Wang, Jing Lu, Yihong Sun, Qian Shi

C229 *Enrichment of Tumorigenic Stem-like Cells in Biopsy Spheroids from Colorectal Cancer*
U Rajcevic, S Piersma, S Bougnaud, TV Pham, PO Enger, R Bjerkvig, SP Niclou and CR Jimenez

C230 *Elucidation of Protein Signaling Mechanisms in Cell Mobility Studies*



JM Jacobs, T Heibeck, M Gritsenko, S Ding, F Yang, Y Wang, R Klemke, NJ Karin, R Smith

C231 *Identification of Proteins in Lymph Node Metastasis by Antibody Proteomics Technology*

Takayuki Okamura, Kazuya Nagano, Takuya Yamashita, Yasuhiro Abe, Haruhiko Kamada, Shin-ichi Tsunoda, Yasuo Tsutsumi

C232 *In Silico Screening and Verification of APC-p21 Crosstalk in the Apc(min/+) Colon Cancer Mouse Model*

G. Bebek, V. Patel, and M.R. Chance

C233 *Quantitative Phosphoproteome Analysis of the Hedgehog Signaling Pathway*

J. Johnson and D. Arnott

C234 *Protein Profiles of Gastric Cancer Paraffin-embedded (PFFE) Samples Using MudPIT Analysis*

P L Mauri, A De Palma, L Benazzi, P Alberizzi, R Manca, C La Placa and E Solcia

C235 *Phosphoproteomic Profiling of Met / K-Ras Signaling in Colorectal Cancer Cells*

S Organ, J Tong, P Taylor, R Navab, M Moran, and M-S Tsao

C236 *Analysis of Oncogenic NPM-ALK Induced Phosphoproteins: New Insights into Lymphomagenesis*

F. Wu, P. Wang, L. C. Young, R. Lai, L. Li

C237 *Phospho-Proteomic Interrogation of Neuroblastoma Tumor Initiating Cell Signaling Pathways*

M. Vojvodic, J. Tong, K. M. Smith, L.M. Hansford, P. Taylor, M.F. Moran, and D.R. Kaplan

C238 *Search for Tumor-related Biomarker Proteins by Antibody Proteomics Technology*

Kazuya Nagano, Takayuki Okamura, Takuya Yamashita, Yasuhiro Abe, Haruhiko Kamada, Shin-ichi Tsunoda, Yasuo Tsutsumi

C239 *Knocking Down 14-3-3 Zeta Sensitizes Oral Cancer Cells to 5-fluorouracil Treatment in Vitro*

Ajay Matta, Leroi V. DeSouza, Ranju Ralhan and K.W. Michael Siu

C240 *Hepatocellular Carcinoma: Expression Profiling at Membrane Proteome Level*

R. Khan, S. Zahid, M. Aatur Rahman, N. Ahmed

C241 *Identification of Putative Biomarkers for Ovarian Cancer from Human Ascitic Fluid*

Sarah Elschenbroich, Vladimir Ignatchenko, Patricia A. Shaw, Igor Jurisica and Thomas Kislinger

C242 *The Glioblastoma Exosomal Proteome: Modulation by Wild-type p53*

JD Tipton, CL Nilsson, MR Emmett, H He, SS Nair, AG Marshall, X Sheng, and CA Conrad

C243 *Clinical Significance of TC21/R-Ras2 Overexpression in Oral Carcinogenesis*

Muzafar A. Macha, Uma Sriram, Ajay Matta, S.S Chauhan, Alok Thakar, N. K. Shukla, Siddharth Datta Gupta, Ranju Ralhan

C244 *New Approaches to Quantitative Western Blotting*

Susanne Grimsby, Stefan Högländer, Åsa Hagner-McWhirter

C245 *Mining the Secretome of 11 Breast Cell Lines to Identify Novel Breast Cancer Biomarkers*

M.Pavlou, E.P. Diamandis

C246 *Quantitative Phosphoproteomics of Glioblastoma Cancer Stem Cell Differentiation*

C. L. Nilsson, Arugadoss Devakumar, Roslyn Dillon, John C. Rogers, Bryan Krastins, Mary Lopez, Michael Rosenblatt, Barbara Kaboord, Charles A. Conrad

C247 *Large-scale Tumor Proteomics Pinpoints a Specific Molecular Signature for High-risk Triple Negative Breast Cancer*

Metodi V. Metodiev, Christina Greenwood, Gergana Metodieva, Louise Alldridge, Paul Sauven

C248 *Quantitative Analysis of C/EBP α Transcription Complexes in Leukemia*

Rositsa I. Koleva, Scott B. Ficarro, Manor Askenazi, Brian M. Bergeron, Jarrod A. Marto

C249 *2-D DIGE analysis of Multicellular Tumor Spheroids (MTS) in Evaluation of Cancer Treatment*

Susanne Grimsby, Åsa Hagner-McWhirter, Kofi Nyamekye, Lena Kask, Azita Monazzam

C250 *Identification of Alternative Splice Isoforms in Mouse Model for Human Breast Cancer*

R Menon and GS Omenn

C251 *Proteomics of a Novel Human Prostate Cancer Cell Line and the Effects of EGCG*

John D. Lapek, Michael Moses, Kevin Welle, Katherine Marshall, Lauren Jensen, William A. Ricke, and Alan E. Friedman

C252 *Identification of Signalling Pathways Involved in Primary Chemotherapy Resistance of Breast Tumours*

C Greenwood, C Sekharan, K Al-Janabi, S Souchelnytskyi and L Alldridge

- C253** *A Rapid Method for Biomarker Evaluation & Validation: Application on Prostate Cancer Marker*
W Lan, W Truong, and M Horn
- C254** *Exploration of the Cathepsin D Protein Complexes in Senescent Pathways*
Xiaomin Lou, Ju Zhang, Siqi Liu, Ningzhi Xu
- C255** *Capturing Protein-Protein Interactions of the MAPK Pathway Scaffold KSR*
JT Prince and NG Ahn
- C256** *Impact of Tumour-derived IL-6 on the Liver Proteome in Cancer Cachexia & Toxicity to Chemotherapy*
L. Jankova, J.M. Chick, R. Taylor, A. Painter, M. Tsoli, M. Kacesvka, C. Liddle, M.S. Baker, S.J. Clarke, M. Molloy, G.R. Robertson
- C257** *Multi-Hybrid Strategy for Novel Lung Cancer Biomarker Discovery*
Hye-Jin Sung, Jung-Mo Ahn, Arul, Yeon-Hee Yoon, Sung-Min Kang and Je-Yeol Cho
- C258** *Development of MRM Assays for a Large Panel of Low-abundance Proteins in Ovarian Cancer Ascites*
A.P. Drabovich and E.P. Diamandis
- C259** *Involvement of BAG2 and Its Complexes in Cell Senescence*
Ju Zhang, Xiaomin Lou, Shangbin Yang, Siqi Liu, Ningzhi Xu
- C260** *The Cysteine Modification of Human AKR1C Proteins and Its Biological Significance*
Shenyan Zhang, Quanhui Wang, Chengcai Huang and Siqi Liu
- C261** *Quantitative Proteomic Analysis of Metastasis-Related Proteins in Lung AdC*
Ying-Fu Liu, Guo-Qing Li, Zhi-Qiang Xiao, Mao-Yu Li, Peng-Fei Zhang, Cui Li and Zhu-Chu Chen
- C262** *Secretome Based Discovery of Pancreatic Cancer Biomarkers*
Ping He, Yulin Sun, Fei Liu, Qiaomei Dong, Lanping Zhou, Yuanyuan Qiao and Xiaohang Zhao
- C263** *The Loss of Phenol Sulfotransferase 1 in Hepatocellular Carcinogenesis*
Marie Yeo, Young Mi Na, Dong Kyu Kim, Young Bae Kim, Hee Jeong Wang, Jung A Lee, Jae Youn Cheong, Young-Ki Paik, Sung Won Cho
- C264** *Screening of Methylation Silenced Genes in Leukemia by Quantitative Proteomics*
T Tan, CE Tang ,F Peng, ZQ Xiao
- C265** *Proteomics Identification of Proteins Involved in Colorectal Cancer Metastasis*
Maxey C.M. Chung, Xuxiao Zhang, Yizhen Ng, Hwee Tong Tan, Sandra Tan, and Shing Chuan Hooi
- C266** *Clinical Proteomics of Human Saliva on Oral Squamous Cell Carcinoma*
M Mahajan, P Manral, M Alam, TP Singh and S Yadav
- C267** *The Overexpression of Annexin A2 in the Survival Cells of CNE1 Irradiated with the Sublethal Dose*
Xueping Feng, Zhiqiang Xiao, Shengpeng Huang, Hong Yi, Cane Tang
- C268** *Differential Proteome Analysis to Detect APP as a Secreted Protein Regulated by EGFR in NPC*
CaneTang, Hong Yi, Haiyan Zou, Xueping Feng, Tan tan, Zhiqiang Xiao
- C269** *Establishing an "Index of Individuality" for the Chicken Plasma Proteome Using Label-free Proteomics*
A.M. Hawkridge, R. Wysocky, J. Petite, K. Anderson, and D.C. Muddiman
- C270** *Annexin A2, a Novel Serological and Histological Candidate for Hepatocellular carcinoma*
Yulin Sun, Ying Wang, Lanping Zhou, Jianqiang Cai, Hongzhi He, Qian Li, Zhuang Lu, Fang Liu, Hongjun Gao, Yuanyuan Qiao, Yangjun Zhang, Xinyu Bi, Xiaohong Qian3, Xiaohang Zhao
- C271** *High-throughput Study of the Effects of Rapamycin Treatment on Acute Myeloid Leukaemia Cells*
Karthik N, JH Han, Q Lin
- C272** *Role of PCNA Interactions in Cancer: Proteomics View*
S.Naryzhny and H. Lee
- C273** *Proteomic Studies on Conditioned Media Collected from Primary Culture of Non-Small Cell Lung Cancer*
T Xiao, M Li, WT Ying, Y Zhang, KT Zhang, SJ Cheng, and YN Gao
- C274** *Differential Profiling in Human Chang Liver and MHCC97-H Cells using Integrated Proteomics*
XH Long, J Zhang, ZH Mo, ZW Cai, and PY Yang
- C275** *Comprehensive Proteomic Profiling of Direct Expressed Prostatic Secretions*



Richard R. Drake, Sarah Elschenbroich, Orlay Lopez, Julius O. Nyalwidhe, Christopher E. Wilkins, Raymond S. Lance, O. John Semmes, Jeffrey A. Medin & Thomas Kislinger

C276 *Oxythiamine Specifically Inhibits Cellular Phosphoproteome in Pancreatic Cancer Cells*

Gary Guishan Xiao, Rui Cao, Hengwei Zhang, Wai-Nang Paul Lee, Caishu Deng, Yingchun Zhao, Qingmei Xie, Vay Liang Go, Joan Lappe, Robert Recker

C277 *Quantitative Profiling of Secreted Proteins in Wild-type and EGFRvIII Glioblastoma Cells Using Hydrazide Chemistry and Label free LC-MS*

A Pen, JM Moreno, AS Haqqani, JJ Hill, and JF Kelly

C278 *Identification of Prostate Specific Antigen Isoforms in Clinical Samples*

A. Vegvari, M. Rezeli, C. Welinder, J. Malm, H. Lilja, G. Marko-Varga, T. Laurell

C279 *Screening for Methylation Silenced Genes in Human Leukemia by Quantitative Proteomics*

T Tan, F Peng, ZQ Xiao

C280 *Verification of Bladder Cancer Markers through Quantitative Proteomic Analysis of Urine*

G. Sardana, P.H. Zhu, S. Ackloo, I. Koker, M. Dharsee, K. Evans, N.E. Fleshner, T. van der Kwast, J. Chen

C281 *Identification of Metastasis-associated Secreted Proteins in Non-small Cell Lung Cancer by Comparative Proteomic Analysis*

S. C. Chen and P. C. Liao

C282 *Proteomic Analysis of Membrane Glycoproteins of HepG2 Cell by Affinity Enrichment and MS Identification*

Dong Cao, Wei Mi, Wei Jia, Zhaobin Zheng, Jinglan Wang, Yun Cai, Wantao Ying, Xiaohong Qian

C283 *Prognostic and Predictive Biomarkers for Colorectal Cancer*

M. P. Molloy, L. Jankova, C. Chan, C. Fung, S. Randall, M. McKay, X. Song, O. Dent, P. Chapuis, L. Bokey, W. Chua, M.S. Baker, G. R. Robertson, S.J. Clarke

C284 *Identification of Small-molecule Inhibitors of the Sox2-DNA Interaction Using a High Throughput Fluorescence Polarization Screen*

Kamesh Narasimhan, Dr.Prasanna Kolatkar, Dr.Ralf Jauch

C285 *Analysis of the Melanoma Proteome Associated with Poor Prognosis by DIGE and iTRAQ*

B. Crossett, S. Mactier, E.H.I.Yang, G. Mann, R.I. Christopherson

C286 *Proteomic Analysis of Lung Cancer Cell Lines Aimed to Identify Novel Target Proteins for miR-17-92*

Hirokata Kanzaki, Mamoru Ouchida, Sachio Ito, Seiji Tamaru, Hiroko Hanafusa, Kenji Shimizu

C287 *Serological Proteome Analysis in Nasopharyngeal Carcinoma*

Bin Yi, Ying Chen, Cui Li, Peng-fei Zhang, Mao-yu Li, Hong Yi, Fang Peng, Zhu-chu Chen, Zhi-qiang Xiao

C288 *Differential Proteome Analysis of Ewing Family of Tumors and Neuroblastoma Cell Lines*

F Weiland, GH Richter, S Burdach, A Görg

C289 *A Systems Approach for Discovering Biomarkers and Therapeutic Targets In Pancreatic Cancer*

H. C. Harsha, Arivusudar Marimuthu¹, Raghothama Chaerkady, Min-Sik Kim, Jun Zhong, Manoj K Kashyap, Ralph H Hruban, and Akhilesh Pandey

C290 *Oxidation of Thiol Proteins by Diethylnitrosamine in Rat Hepatocarcinogenesis*

DI Aparicio-Bautista, NA Gutiérrez-Nájera, J Arellanes-Robledo, VR Vasquez-Garzón, MN Jiménez-García, JI Pérez-Carreón and S Villa-Treviño

C291 *Prediction of Diseaseal Proteins from Liver Disease- and Liver Cancer-Related Disease Networks*

YK Lee, HI Shin, JE Ku, BN Park, YR Hwang, MH Yeo, TH Kang, JS Yoo, and HY Kim

C292 *Prostate Cancer Tissue Imaging*

B. Matharoo-Ball

C293 *Serum Quantitative Proteomics of HCC with/without Recurrence after Liver Transplantation*

Guohuan Yang, Jian Zhou, Jia Fan, Zhi Dai, Lei Yu, Yinkun Liu and Xiaonan Kang

C294 *Search for a Protein Phosphatase(s) Responsible for Mst 1/2 Dephosphorylation in Cell Contact Inhibition.*

SJ Jung, YS Kim, HS Yoo, and JH Ko

C295 *Secretome-based Proteomic Profiling of Ras-transformed MDCK Cells Reveals Extracellular Modulators of Epithelial-mesenchymal Transition*

RA Mathias, B Wang, H Ji, E A Kapp, RL Moritz, H Zhu, RJ Simpson



C296 *Effect of TIMP-1 Expression Level on Cancer Cell Growth and Survival*
YM Seo, YS Kim, HS Yoo, and JH Ko

C297 *Proteomic Approaches to the Identification and Quantification of the Protein Tyrosine Phosphatase (PTP) "redoxome"*
Robert Karisch, R. Chan, P. Taylor, M. Moran, B. Neel

C298 *Proteomic Investigation of the Mechanism of Therapeutic Decoys for Prostate Cancer*
JK Myung, A Moradian, J Wang, NR Mawji, and MD Sadar

C299 *The Novel Human Fene UBE2Q2 and its Protein Product are up Regulated in Breast Cancer Tissues*
M Nikseresht, A Seghatoleslam, A Monabati, A Talei and AA Owji