

PepCon-2012

Theme: Powerful Proteins and Peptides

Time: March 23-25, 2012

Venue: Beijing International Convention Center, Beijing, China

Scientific Program

Opening Ceremony

Time: 09:00-09:30, March 23rd, 2012

Keynote Forum

Time: 09:30-12:00, March 23rd, 2012

09:30-10:00	 <p>Title: A Human Protein Atlas Dr. Mathias Uhlén, Professor, Royal Institute of Technology (KTH), Sweden</p>
10:00-10:30	 <p>Title: Proteomic Discovery of Proteins and Peptides for Targeted Cancer Therapy Dr. Samir Hanash, Professor, Fred Hutchinson Cancer Research Center, Seattle, WA, U.S.A</p>
10:30-11:00	 <p>Title: The Dynamics of Protein Interaction Networks Dr. Marc Wilkins, Professor, University of New South Wales, Australia</p>
11:00-11:30	 <p>Title: Tailor Made Serum Half Life for Therapeutic Peptides Dr. Rolf G. Werner, Senior Vice President Strategic Biobusiness, Boehringer Ingelheim GmbH, Germany</p>
11:30-12:00	<i>Speech Opportunity Available</i>

Part 1: Protein Sciences and Technology

Chapter 1: Frontier of Protein Sciences and Technology

Session 1-1-1: Breaking Research in Protein Science (Part I)

(Time: 13:30-17:10, March 23, 2012, Friday; Place:)

Chair:	Dr. Akira Kajl , Professor of Microbiology, University of Pennsylvania, USA
Co-Chair:	Dr. Rainer Hahn , Associate Professor, University of Natural Resources and Life Sciences, Austria
13:30-13:55	Title: Three Bottlenecks of Human Proteome Project Dr. A. Archakov , Professor, Institute of Biomedical Chemistry, Russia
13:55-14:20	Title: Gibbs Free Energy Surface of Protein Folding Dr. Yi Fang , Professor, Nanchang University, China

14:20-14:45	Title: Recent Progress on the Ribosome Recycling in Prokaryotes and Eukaryotes Dr. Akira Kaji , Professor of Microbiology, University of Pennsylvania, USA
14:45-15:10	Title: Protein Folding, Structure and Function Dr. Bingyuan Wu , Senior Research Scientist, Janssen Pharmaceutical Companies of Johnson & Johnson, USA
15:10-15:30	Coffee Break
15:30-15:55	Title: Refolding of Npro Autoprotease Fusion Proteins Dr. Rainer Hahn , Associate Professor, University of Natural Resources and Life Sciences, Austria
15:55-16:20	Title: Energetics of tRNA-mRNA Translocation on the Ribosome Dr. Andrey L. Konevega , Research Scientist, Max Planck Institute, Germany
16:20-16:45	Title: A 66 Genome Survey of the Evolution of Eukaryotic Duplicate Genes by Protein Sub-cellular Relocalization Dr. Ashley Byun-McKay , Assistant Professor, Fairfield University, USA
16:45-17:10	Title: Some Recent Developments in Frontier of Protein Sciences Dr. Chin-Kun Hu , Professor, Academia Sinica, Taiwan

Session 1-1-2: Breaking Research in Protein Science (Part II)

(Time: 13:30-17:35, March 23, 2012, Friday; Place:)

Chair:	Dr. Matthew Hsu , R&D Director, Merck Millipore, USA
Co-Chair:	<i>Call for Co-chair</i>
13:30-13:55	Title: Monitoring Aggregation of Alzheimer's Beta-amyloids by Intrinsic Fluorescence – a New Tool for Peptide Research and Design of Therapeutic Interventions Dr. Olaf J. Rolinski , Senior Lecturer, University of Strathclyde, UK
13:55-14:20	Title: Modeling Interactions between Peptides and Metal Ions Dr. Giovanni La Penna , Researcher, Institute for chemistry of organo-metallic compounds, Italy
14:20-14:45	Title: A Breakthrough Nano-technology to Detect and Measure Gene Expression in Living Cells Dr. Matthew Hsu , R&D Director, Merck Millipore, USA
14:45-15:10	Title: The degradation of SulA by ClpYQ protease in <i>Escherichia coli</i> Dr. Whi Fin Wu , Associate Professor, National Taiwan University, Taiwan
15:10-15:30	Coffee Break
15:30-15:55	Title: Protein Conformational Spread and Its Implications in Bacterial Flagellar Motor Switch Dr. Fan Bal , Assistant Professor (Co-PI), Peking University, China
15:55-16:20	Title: TBD Dr. Hao Ge , Associate Professor, Peking University, China
16:20-16:45	Title: Preferred Ways for Proteins to Rotate – Enzyme Catalytic Power Designed to Distribute along Rotation Axes Identified by a New Elastic Network Model Dr. Lee-Wei Yang , Assistant Professor, National Tsing Hua University, Taiwan
16:45-17:10	Title: Gcm protein degradation suppresses proliferation of glial progenitors Dr. Margaret Ho , Professor, School of Medicine, Tongji University, China
17:10-17:35	Title: More than One Dynamic Crossover in Protein Hydration Water Dr. Giancarlo Franzese , Professor, University of Barcelona, Spain

Section 1-2: Protein Structure and Characterization

(Time: 08:30-12:10, March 24, 2012, Saturday; Place:)

Chair:	Dr. Giorgio Colombo , PI, Biocomputing Lab, National Research Council, Italy
Co-Chair:	Dr. Congbao Kang , Group Leader, Agency for Science, Technology and Research (A*STAR), Singapore
08:30-08:55	Title: Structure, Dynamics, and Allosteric Interactions of the E.coli Lac Repressor Dr. Robert Kaptein , Professor, Utrecht University, The Netherlands
08:55-09:20	Title: Crystal Structures of Protein:Peptide Complexes as Templates for Novel Coagulation Protease and Platelet Receptor Antagonists Dr. Jonas Emsley , Professor, University of Nottingham, UK
09:20-09:45	Title: Structure-Function-Dynamics Relationships in Proteins: Implications for Drug Discovery Dr. Giorgio Colombo , PI, Biocomputing Lab, National Research Council, Italy
09:45-10:10	Title: In Situ Measurement of Protein Adsorption by Spectroscopic Ellipsometry Dr. Miklos Fried , Head of Photonics Department, Research Institute for Technical Physics and Materials Science (MFA), Hungary
10:10-10:30	Coffee Break
10:30-10:55	Title: NMR Studies of the N-terminal Domain and a T65P Trafficking Deficient Mutant of hERG Potassium Channel Dr. Congbao Kang , Group Leader, Agency for Science, Technology and Research (A*STAR), Singapore
10:55-11:20	Title: Time-resolved Fluorescence Resonance Energy Transfer Processes of Dye-cytochrome C Complexes Dr. Minyung Lee , Professor, Ewha Womans University, Korea
11:20-11:45	Title: Topological Studies of Biomolecules in Tissue by Atmospheric Pressure High Resolution MALDI Mass Spectrometry Imaging Dr. Bernhard Spengler , Professor, Justus Liebig University of Giessen, Germany
11:45-12:10	Title: Crystal Structure of Archaeal Chromatin Protein Alba2-dsDNA Complex from Aeropyrum Pernix K1 Dr. Thirumananseri Kumarevel , Senior Research Scientist, Biometal Science Laboratory & Advanced Protein Crystallography Group, Japan

Session 1-3-1: Membrane Proteins, Receptors and Signaling

(Time: 13:30-17:10, March 24, 2012, Saturday; Place:)

Chair:	Dr. Kirsten Jung , Professor, Ludwig-Maximilians-Universitaet Muenchen, Germany
Co-Chair:	Dr. Ken Takahashi , Assistant Professor, Nagoya University, Japan
13:55-14:20	Title: Molecular Mechanisms and Therapeutic Implications of Obesity Caused by Melanocortin-4 Receptor Mutations Dr. Ya-xiong Tao , Associate Professor, Auburn University, USA
13:55-14:20	<i>Speech Opportunity Available</i>
14:20-14:45	Title: New Insights into the Signaling Mechanism of the Ph-Responsive, Membrane-Integrated Transcriptional Activator Cadc of <i>Escherichia Coli</i> Dr. Kirsten Jung , Professor, Ludwig-Maximilians-Universitaet Muenchen, Germany

14:45-15:10	<i>Speech Opportunity Available</i>
15:10-15:30	Coffee Break
15:30-15:55	Title: Conformational Change of Membrane Proteins in Response to Membrane Tension - a Coarse Grained Molecular Dynamics Simulation Study Dr. Ken Takahashi , Assistant Professor, Nagoya University, Japan
15:55-16:20	<i>Speech Opportunity Available</i>
16:20-16:45	Title: Regulation of Cell Surface Expression of Insulin Receptor and IGF-1 Receptor by Heat Shock Protein 90 Dr. Toshihiko Yanagita , Associate Professor, University of Miyazaki, Japan
16:45-17:10	Title: Negative Effect of Glucocorticoids on Neuronal Function of Brain-Derived Neurotrophic Factor Dr. Tadahiro Numakawa , National Center of Neurology and Psychiatry, Japan

Session 1-3-2: Cellular Functions

(Time: 13:30-17:10, March 24, 2012, Saturday; Place:)

Chair:	Dr. Frank J. Burczynski , Professor, University of Manitoba, Canada
Co-Chair:	Dr. Philippe E Bouvet , Professor, University of Lyon, France
13:30-13:55	<i>Speech Opportunity Available</i>
13:55-14:20	Title: The Multiple Functions of the Major Nucleolar Protein Nucleolin Dr. Philippe E Bouvet , Professor, University of Lyon, France
14:20-14:45	Title: Cellular Protective Function of Fatty Acid Binding Protein Dr. Frank J. Burczynski , Professor, University of Manitoba, Canada
14:45-15:10	Title: A Novel Explanation to the Mechanism of General Anesthesia—— Protein Post-translational Modification Dr. Han Lu , Director, Shanghai JiaoTong University, China
15:10-15:30	Coffee Break
15:30-15:55	Title: Characterization of nifH Gene Expression, Modification and Rearrangement in the Toxic Cyanobacterium Nodularia Spumigena Dr. Rehab El-Shehawy , Researcher, IMDEA-agua, Spain
15:55-16:20	Title: Suppression of FoxO1/Cidea Axis Protects Mouse β -cells against Palmitic Acid-induced Apoptosis Dr. Naoki Omae , Researcher, Kyorin Pharmaceutical Co. Ltd., Japan
16:20-16:45	Title: Creation of Novel Cell-membrane-penetrating Proteins by Using Module M1 of Zebrafish Neuroglobin Dr. Kelsuke Wakasugi , Associate Professor, The University of Tokyo, Japan
16:45-17:10	Title: Down-regulation of CD79b is Essential for the Optimal Immune Responses Dr. Masaki Hikida , Professor, Kyoto University, Japan

Section 1-4: Novel Protein Study Method

(Time: 08:30-12:10, March 25, 2012, Sunday; Place:)

Chair:	Dr. Matthew He , professor and director, Nova Southeastern University, USA
Co-Chair:	Dr. Yong Zhang , Associate Professor, Stevens Institute of Technology, USA
08:30-08:50	Title: The Human SH2 Interactome Dr. Shun-Cheng (Shawn) Li , Professor, University of Western Ontario, Canada

08:50-09:10	Title: TBD Dr. Zhichao Pei , Professor, Northwest A & F University, China
09:10-09:30	Title: From Genes to Drug: Bioinformatics, Bioengineering, and Biotechnology Dr. Matthew He , Professor and Director, Nova Southeastern University, USA
09:30-09:50	Title: Novel Nonlinear Knowledge-Based Mean Force Potentials Based on Machine Learning Dr. Qiwen Dong , Associated Professor, FuDan University, China
09:50-10:10	Coffee Break
10:10-10:30	Title: Novel Protein Active Site Structures from an Integrated Quantum Mechanics and Spectroscopy Approach Dr. Yong Zhang , Associate Professor, Stevens Institute of Technology, USA
10:30-10:50	Title: Changing the Paradigm: May "Prokaryopepsins" be the New Archetypes of Modern Aspartic Proteinases? Dr. Isaura Simoes , Research Scientist, University of Coimbra, Portugal
10:50-11:10	Title: Predicting Membrane Protein Types Using Protein Topology, Domains, Signal Peptides and Physicochemical Properties Dr. Kuo-Bin Li , Associate Professor and Chair, National Yang-Ming University, Taiwan
11:10-11:30	Title: Computational Structure Model of Diferric Transferrin-Transferrin Receptor 2 Complex Dr. Takaki Yamamura , Professor, The University of Morioka, Japan
11:30-11:50	Title: Transmembrane signalling through a heme/hemophore receptor, HasR Dr. Nadia Izadi-Pruneyre , Senior Scientist, Institut Pasteur, France
11:50-12:10	<i>Speech Opportunity Available</i>

Chapter 2: Proteomics and Metaproteomics

Section 2-1: Proteomics and Metaproteomics

(Time: 13:30-17:10, March 23, 2012, Friday; Place:)

Chair:	Dr. Suraiya Rasheed , Professor of Pathology; Director, University of Southern California, USA
Co-Chair:	Dr. An Zhou , Associate Professor, Morehouse School of Medicine, USA
13:30-13:55	Title: Heat Stabilization: a New Tool in Cancer Proteomics Dr. Katarina Alenäs , Commercial Director, Denator AB, Sweden
13:55-14:20	Title: Structural and Optical Properties of Gas Phase Metal Cluster–Biomolecule Hybrid Systems Dr. Rodolphe Antoine , Senior scientist, University of Lyon, France
14:20-14:45	Title: Role of Polycomb/BMI1 in Self-renewal and Neuronal Cell Differentiation of a Stem Cell-derived Cat Melanoma Dr. Suraiya Rasheed , Professor of Pathology, Director of Viral Oncology & Proteomics Research, University of Southern California, USA
14:45-15:10	Title: Ultra-High Sensitive Single Protein Molecule Nanoarray for Rapid Cancer Diagnosis Dr. Fan-Gang , Professor and Chairman, National Tsing Hua University, Taiwan
15:10-15:30	Coffee Break
15:30-15:55	Title: Proteomics-led Discoveries in Neuroprotection Dr. An Zhou , Associate Professor, Morehouse School of Medicine, USA
15:55-16:20	Title: Proteome Stabilization with Heat for Improved Proteomics Dr. Mats Borén , Head of Development, Denator AB, Sweden

16:20-16:45	Title: Complexomic Approach to Solve Campylobacter Conundrum Dr. Odile Tresse , Researcher, French Institute for Agriculture Research (INRA), France
16:45-17:10	Title: The Proteome of the Worker Honey Bee Brain Dr. Ricardo Bastos Cunha , Associate professor, The University of Brasilia, Brazil

Chapter 3: Human Diseases and Protein Discovery

Section 3-1: Human Diseases and Protein Discovery

(Time: 08:30-12:10, March 24, 2012, Saturday; Place:)

Chair:	Dr. Judit Oláh , Researcher, Hungarian Academy of Sciences, Hungary
Co-Chair:	Dr. Allison Berrier , Assistant Professor, Louisiana State University Health Sciences, USA
08:30-08:50	Title: A Systems Approach to Renal Cancer Clear Cell Carcinoma Dr. Maciek Sasinowski , CEO, INCOGEN Inc., USA
08:50-09:10	Title: The Disordered TPPP/p25 Involved In Hetero-Associations Of Hallmark Proteins Characteristic For Parkinson's And Alzheimer's Diseases Dr. Judit Oláh , Researcher, Hungarian Academy of Sciences, Hungary
09:10-09:30	Title: Cellular pH Homeostasis by Ion Transporters Na ⁺ /H ⁺ Exchangers: Implication in Signal Transduction and Human Diseases Dr. Masayuki Numata , Assistant Professor, University of British Columbia, Canada
09:30-09:50	Title: Wnt Signaling Pathway and GRP78 Heat Shock Protein: Targeted Therapy of Cancer Dr. Zhuoyu Li , Professor, Shanxi University, China
09:50-10:10	Coffee Break
10:10-10:30	Title: Role of Integrin Effectors in Oral Carcinoma Resistance to Cisplatin Dr. Allison Berrier , Assistant Professor, Louisiana State University Health Sciences, USA
10:30-10:50	Title: β -Amyloid Detection and New Inhibitors of β -secretase Dr. Kazunari Hashizume , Manager, Wako Pure Chemical Industries Ltd., Japan
10:50-11:10	Title: Therapeutic Application of a Novel AMPK Activator in Metabolic Syndrome and Cancer Dr. Joo-hun Ha , Professor, Kyung Hee University College of Medicine, Korea
11:10-11:30	Title: Network-Based Identification of Core Autophagic Pathways in Cancer Pathology and Therapy Dr. Bo Liu , Lecturer, Sichuan University, China
11:30-11:50	Title: The Small Heat Shock Proteins and Human Diseases Dr. Ming-Der Perng , Assistant Professor, National Tsing Hua University, Taiwan
11:50-12:10	<i>Speech Opportunity Available</i>

Chapter 4: Proteins Therapeutics and Clinical Significance

Section 4-1: Protein Drug Discovery and Delivery Technology

(Time: 13:30-17:10, March 24, 2012, Saturday; Place:)

Chair:	Dr. Chris Mann , Global Lead Scientist, Molecular Devices, UK
Co-Chair:	Dr. Igor Mochalkin , Principal Research Investigator, EMD Serono, Inc., USA
13:30-13:55	Title: An Exploration of Network Hotspots and Cooperativity in Protein-Ligand Recognition Dr. Neil Taylor , Founder and Chief Scientific Officer, Desert Scientific Software Pty Ltd., Australia
13:55-14:20	Title: Engineering of a Therapeutic Protein for the Treatment of Growth Factor-related Diseases

	Dr. Daniel Gillet , Professor, Institute of Biology and Technologies of Saclay, CEA, France
14:20-14:45	Title: Advanced Technologies for Screening of Protein Therapeutics Dr. Chris Mann , Global Lead Scientist, Molecular Devices, UK
14:45-15:10	Title: Identification of Potential Therapeutic Protein Targets in Postischemic Brain Inflammation Dr. George Trendelenburg , Professor, University of Göttingen, Germany
15:10-15:30	Coffee Break
15:30-15:55	Title: Fragment-based Approaches for Designing Novel Kinase Inhibitors Dr. Igor Mochalkin , Principal Research Investigator, EMD Serono, Inc., USA
15:55-16:20	Title: Biophysics in Drug Discovery: Integrative Use of Structural, Kinetic and Thermodynamic Data Dr. Matthias Frech , Merck-Serono, Germany
16:20-16:45	Title: Innovative Integrated Fluorescent Approach to Assess the Fate of Experimental Biologics in Vivo at Pharmacological Doses Dr. Enrique Escandon , Principal Scientist, Merck Research Laboratories, USA
16:45-17:10	Title: Structural Studies for New Determination of Pentapeptide Repeat Units in the Quinolone Resistance Proteins Dr. Sang Hee Lee , Professor, Myongji University, Korea

Section 4-2: Protein Biomarkers

(Time: 13:30-15:10, March 24, 2012, Saturday; Place:)

Chair:	<i>Call for Chair</i>
Co-Chair:	<i>Call for Co-chair</i>
13:30-13:55	Title: Biomarker Discovery using High Throughput Proteomics Platform Dr. Xiaowu Liang , CEO, Antigen Discovery Inc., USA
13:55-14:20	Title: Serum Autoantibodies in Cancer: An Update on Discovery Technology, Validation and Commercial Development Dr. Thomas M. Li , Senior Director, Technology Management, CTO, USA and Head of Asia Pacific Technology Management, Roche, Singapore
14:20-14:45	<i>Speech Opportunity Available</i>
14:45-15:10	<i>Speech Opportunity Available</i>

Section 4-3: Cytokines

(Time: 13:30-15:10, March 24, 2012, Saturday; Place:)

Chair:	<i>Call for Chair</i>
Co-Chair:	<i>Call for Co-chair</i>
13:30-13:55	<i>Speech Opportunity Available</i>
13:55-14:20	Title: TBD Dr. Andrea Nicolini , Professor, Clinical Researcher, University of Pisa, Italy
14:20-14:45	Title: TBD Dr. Ralf R. Schumann , Professor, Charité University Medical Center, Germany
14:45-15:10	Title: Recombinant TNF-Binding Protein of Variola Virus as a New TNF Antagonist Dr. Irina P. Gileva , Leading Scientist, State Research Center of Virology and Biotechnology

	VECTOR, Russia
--	----------------

Section 4-4: Kinases

(Time: 08:30-11:00 March 25, 2012, Sunday; Place:)

Chair:	Dr. Dave Litchfield , Professor and Chair, University of Western Ontario, Canada
Co-Chair:	<i>Call for Co-chair</i>
08:30-08:55	Title: Novel Radiosensitization Strategies in Cancer through Targeted Inhibitors of the RAS/MAPK and PI3K/AKT/mTOR Pathways Dr. Terence Williams , Assistant Professor, The Ohio State University Medical School, USA
08:55-09:20	Title: TBD Dr. Terrence Mulhern , Senior Lecturer, University of Melbournem, Australia
09:20-09:45	Title: Pathological Re-wiring of Signaling Pathways by Protein kinase CK2: Implications for CK2 as a Candidate for Molecular-targeted Therapy Dr. Dave Litchfield , Professor and Chair, University of Western Ontario, Canada
09:45-10:10	Title: Insulin Cascade in Rhipicephalus (Boophilus) Microplus Embryos Dr. Carlos Logullo , Universidade Estadual Norte Fluminense, Brazil
10:10-10:35	Title: Involvement of Protein Kinase C in Lignin Peroxidase Expression in Oxygenated Cultures of the White Rot Fungus Phanerochaete Chrysosporium Dr. Paula A. Belinky , Head, MIGAL – Galilee Technology Center, Israel
10:35-11:00	Title: Calcitonin Targets ERK Signaling Pathway in Cancer Cells Dr. Misa Nakamura , Professor, Wakayama Medical University, Japan

Chapter 5: Non-Human Protein R & D

Section 5-1: Non-Human Protein R & D

(Time: March 23, 2012, Friday, 13:30-15:35, Place: TBD)

Chair:	Dr. N.A. Karrow , Associate Professor, University of Guelph, Canada
Co-Chair:	Dr. Qingfang He , Associate professor, University of Arkansas Little Rock, USA
13:30-13:55	Title: TBD Dr. Navam Hettiarachchy , Professor; IFT Fellow; Head, University of Arkansas, USA
13:55-14:20	Title: Implications of the Genetic and Epigenetic Regulation of the Bovine Macrophage Migration Inhibitory Factor (MIF) Gene Dr. Niel A. Karrow , Associate Professor, University of Guelph, Canada
14:20-14:45	Title: New Insights on Separation Characteristics of Proteins and Peptides on Core-Shell Based HPLC Columns Mr. Shang Tsai , International Business Development Manager, Phenomenex, Inc., USA
14:45-15:10	Title: A Novel High Light Inducible Carotenoid-binding Protein Complex in the Thylakoid Membrane of Synechocystis PCC 6803 Dr. Qingfang He , Associate professor, University of Arkansas Little Rock, USA
15:10-15:35	Title: Nanofiber-reinforced Hydrogel Prepared from Fish Gelatin by Photocrosslinking Dr. Naozumi Teramoto , Associate Professor, Chiba Institute of Technology, Japan

Part 2: Peptide Chemistry and Biology

Chapter 6: Peptide Science

Section 6-1: Peptide Science (Part I)**(Time: March 24, 2012, Saturday, 08:30-12:10, Place: TBD)**

Chair:	Dr. Igor A. Kozlov , Senior Director, Prognosys Biosciences Inc., USA
Co-Chair:	Dr. Jason Crain , Professor of Applied Physics, University of Edinburgh, UK
08:30-08:55	Title: Synthesis and Biological Evaluation Cell Penetrating Peptides and a Tale of a Remarkable Discovery Dr. Mark Bradley , Professor of HT Chemical Biology, Edinburgh University, UK
08:55-09:20	Title: Investigating Behaviour of Peptide-Inorganic Interfaces Using Molecular Simulation Dr. Tiffany R. Walsh , Associate Professor, University of Warwick, UK
09:20-09:45	Title: Using in Silico Studies and Physical Experiments to Advance Biomedicine from Therapeutic Peptides to DNA Sequencing Dr. Glenn Martyna , Physical Sciences Division, IBM TJ Watson Laboratory, USA
09:45-10:10	Title: Microarray Technology for Proteomics Research Dr. Igor A. Kozlov , Senior Director, Prognosys Biosciences Inc., USA
10:10-10:30	Coffee Break
10:30-10:55	Title: Atomistic Structure of Peptides in Solution and in Membrane Bound Environments: Experiment and Simulation Dr. Jason Crain , Professor of Applied Physics, University of Edinburgh, UK
10:55-11:20	<i>Speech Opportunity is Available</i>
11:20-11:45	Title: Analysis of Enzyme Kinetics Using Peptide Arrays Dr. Kwon-Soo Ha , Professor, Kangwon National University School of Medicine, Republic of Korea
11:45-12:10	Title: Development of UFLC-MS/MS Assay for Cell-derived Circulating Peptide Biomarker in Serum Dr. Kazuhiko Uchida , Associate Professor, University of Tsukuba, Japan

Section 6-2: Peptide Science (Part II)**(Time: March 25, 2012, Sunday, 13:30-15:35, Place: TBD)**

Chair:	Dr. Rolf Henrik Berg , Professor, DTU Nanotech, Denmark
Co-Chair:	<i>Call for Co-chair</i>
13:30-13:55	<i>Speech Opportunity is Available</i>
13:55-14:20	Title: TBD Dr. Rolf Henrik Berg , Professor, DTU Nanotech, Denmark
14:20-14:45	Title: The Host-Pathogen Interaction of Human Cyclophilin A and HIV-1 Vpr Requires Specific N-terminal and Novel C-terminal Domains Dr. Torgils Fossen , Professor, University of Bergen, Norway
14:45-15:10	Title: RAS-Fingerprinting: Patient Specific Evaluation of the Renin-Angiotensin-System in Human Plasma by LC-MS/MS Based Multiplex Quantification of Angiotensin Peptides Dr. Marko Poglitsch , Head of the Peptide Analytics, Apeiron Biologics AG, Austria
15:10-15:35	Title: Analysis of Short Peptide and Its Hydrolysis Product Amino Acids by Three-dimensional Liquid Chromatography Coupled Mass Spectrometry Dr. Cheanyeh Cheng , Professor and Director, Chung Yuan Christian University, Taiwan

Chapter 7: Peptide Chemistry and Synthetic Methods

Section 7-1: Peptide Chemistry and Synthetic Methods**(Time: March 24, 2012, Saturday, 13:30- 15:10, Place: TBD)**

Chair:	Dr. Yifeng LI , Technical Director, University of Texas Health Science Center at San Antonio, USA
Co-Chair:	Dr. Zbigniew Szewczuk , Professor, University of Wroclaw, Poland
13:30-13:55	Title: Recombinant Production of Antimicrobial Peptides in E. Coli Dr. Yifeng Li , Technical Director, University of Texas Health Science Center at San Antonio, USA
13:55-14:20	Title: Ultrasensitive ESI-MS Analysis of One-Bead-One-Compound Oligopeptide Libraries Labeled by Quaternary Ammonium Salts Dr. Zbigniew Szewczuk , Professor, University of Wroclaw, Poland
14:20-14:45	Title: Collagen Macromolecular Structure, Remodeling, and Cellular Interaction Dr. Joseph P. R. O. Orgel , Assistant Professor, Illinois Institute of Technology, USA
14:45-15:10	<i>Speech Opportunity is Available</i>

Chapter 8: Peptides in Drug Discovery**Section 8-1: Peptides in Drug Discovery (Part I)****(Time: March 25, 2012, Sunday, 08:30-12:10, Place: TBD)**

Chair:	Dr. James M. Hill , Professor and Director of Pharmacology in Neuroscience, LSU Health Sciences Center, USA
Co-Chair:	Dr. Fred Nyberg , Professor, Faculty Dean, Uppsala University, Sweden
08:30-08:55	Keynote: Title: Clinical Use of LHRH Analogs in Cancer Therapy Dr. Juergen Engel , President & CEO, Aeterna Zentaris, Germany
08:55-09:20	Title: Developing novel Antimicrobial Peptides within Anti-infective and Anti-inflammatory Areas Dr. Søren Kjærulff , Senior Director of Pharma R&D, Novozymes A/S, Denmark
09:20-09:45	<i>Speech Opportunity is Available</i>
09:45-10:10	Title: A Novel Mimetic Peptide Derived From Human Apolipoprotein E (ApoE) is a Potent Inhibitor of Tumor Growth, Ocular Angiogenesis, and Recurrent Herpetic Stromal Keratitis Dr. James M. Hill , Professor and Director of Pharmacology in Neuroscience, LSU Health Sciences Center, USA
10:10-10:30	Coffee Break
10:30-10:55	Title: Peptide Conversion - A Potential Pathway Modulating G-protein Signaling Dr. Fred Nyberg , Professor, Faculty Dean, Uppsala University, Sweden
10:55-11:20	Title: IGF-1 and its metabolites, potential application for neurological conditions Dr. Jian Guan , Senior Research Fellow, University of Auckland, New Zealand
11:20-11:45	Title: Antibacterial Peptide of Bacillus subtilis SC-8 Antagonistic to the Bacillus cereus Group Dr. Nam Keun Lee , Researcher, Chung-Ang University, Korea
11:45-12:10	Title: Stimulation of Human Formyl Peptide Receptors by Calpain Inhibitors Dr. Hisakazu Fujita , Lecturer, Osaka City University Medical School, Japan

Section 8-2: Peptides in Drug Discovery (Part II)

(Time: March 25, 2012, Sunday, 15:30-17:10, Place: TBD)

Chair:	<i>Call for Chair</i>
Co-Chair:	<i>Call for Co-chair</i>
13:30-13:55	<i>Speech Opportunity is Available</i>
13:55-14:20	Title: Methylation Influences Tat Peptides Activity Dr. Piotr Mucha , Professor, University of Gdansk, Poland
14:20-14:45	Title: Binding of Human Catestatin Peptide to the Nicotinic Acetylcholine Receptor Subtype Dr. Sukklid Yasothornsrikul , Associate Professor & Assoc. Dean, Naresuan University, Thailand
14:45-15:10	Title: Effects of cis-4-hydroxyproline on the conformation of conopeptides Dr. Weihong Du , Associate Professor, Renmin University of China, China

Chapter 9: Explorations on Biologically Active Peptides and Applications

Section 9-1: Explorations on Biologically Active Peptides and Applications

(Time: March 23, 2012, Friday, 13:30-17:10, Place: TBD)

Chair:	Dr. David Cralk , Professor, University of Queensland, Australia
Co-Chair:	<i>Call for Co-chair</i>
13:30-13:55	<i>Speech Opportunity is Available</i>
13:55-14:20	Title: Cyclisation of a Scorpion Toxin Peptide to Improve Stability as a Bio-imaging Agent for Brain Tumors Dr. David Cralk , Professor, University of Queensland, Australia
14:20-14:45	Title: Potential Clinical Applications of a Novel Fusion Protein of Parathyroid Hormone and Collagen Binding Domain for the Treatment of Osteoporosis and Chemotherapy-Induced Hair Loss Dr. Tulasi Ponnappakkam , Instructor, Childrens Hospital at Montefiore, U.S.A
14:45-15:10	Title: Adrenomedullin: Beneficial Biological Effects and Possibility of Clinical Application Dr. Kazuo Kitamura , Professor, University of Miyazaki, Japan
15:10-15:30	Coffee Break
15:30-15:55	Title: TBD Dr. Tauseef R. Butt , President, CEO, LifeSensors Inc, USA
15:55-16:20	Title: Imaging Mass Spectrometry of Opioid Peptides in Parkinson's Disease Dr. Malin Andersson , Assistant Professor, Uppsala University, Sweden
16:20-16:45	Title: Development and Characterization of Peptide Systems Useful in Managing Food Allergy Dr. Christopher T. Cordle , Research Fellow, Abbott Laboratories, USA
16:45-17:10	Title: Plant Cyclic Peptides Produced by Ribosomal Synthesis Dr. Martin J.T. Reaney , Chair, University of Saskatchewan, Canada

Chapter 10: Emerging Applications of Peptides

Section 10-1: Emerging Applications of Peptides

(Time: March 24, 2012, Saturday, 08:30-10:35, Place: TBD)

Chair:	Dr. Chengzhi Cai , Associate Professor, University of Houston, USA
---------------	---------------------------------------------------------------------------

Co-Chair:	<i>Call for Co-chair</i>
08:30-08:55	Title: TBD Dr. Chengzhi Cai , Associate Professor, University of Houston, USA
08:55-09:20	Title: The Role of Peptides and Proteins in biological control of postharvest diseases Dr. Cristina Maldonado , Professor, National University of Tucuman, Argentina
09:20-09:45	Title: TBD Dr. Naoyuki Yamamoto , Calpis Co. Ltd, Japan
09:45-10:10	Title: Target Oriented Peptide Discovery for Drug Delivery and Tissue Engineering Purpose Dr. Yoon-Jeong Park , Associate Professor, Seoul National University, Korea
10:10-10:35	<i>Speech Opportunity is Available</i>

Part 3: Protein Industry

Chapter 11: Protein Engineering Technology

Section 11-1: Protein Engineering Technology (Part I)

(Time: March 24, 2012, Saturday, 13:30-17:35, Place: TBD)

Chair:	Dr. Roland Wels , Head, VTU Technology GmbH, Austria
Co-Chair:	Dr. Yunling Bai , Senior Scientist, Merck, USA
13:30-13:55	Title: LEXSY- the Eukaryotic Protein Expression Platform Based on the Protozoan Organism Leishmania Tarentolae Dr. Reinhard Breittling , Product Manager, JenaBioScience GmbH, Germany
13:55-14:20	Title: Rapid Development of Platform Processes for Purification of Recombinant Proteins including Monoclonal Antibodies and Antibody Fragments Dr. Eva Heldln , Senior Scientist, GE Healthcare Life Sciences, Sweden
14:20-14:45	Title: Consistent Generation of Stable and Multigram-producing Clones Derived from CHO Cells in a 6-Week Time frame by the Mean of Hotspot Retargeting Dr. Sebastien Chenuet , Business Development Manager, Cellectis bioresearch, France
14:45-15:10	Title: Doing the Splits – Yielding g/L Levels with Methanol-driven and Methanol-free Production from VTU's AOX1 Promoter Library Dr. Roland Wels , Head, VTU Technology GmbH, Austria
15:10-15:30	Coffee Break
15:30-15:55	Title: Improving the Development of Biologics: from Medium Development to Scale-Up Dr. Yunling Bai , Senior Scientist, Merck, USA
15:55-16:20	Title: High-throughput Protein Production in the Swedish Human Protein Atlas Project Dr. Hanna Tegel , Group leader Protein Factory, The Human Protein Atlas project, Royal Institute of Technology, Sweden
16:20-16:45	Title: Efficient Production of Complex Proteins, Antibodies and Vaccines in Human Amniocyte Derived Suspension Cells Dr. Hartmut Tintrup , Director Marketing & Business Development, Cevic Pharmaceuticals GmbH, Germany
16:45-17:10	Title: Single-use Bioreactors for Cell Cultures: An Approach for Characterisation and Optimisation by Using Computational Fluid Dynamics (CFD) Dr. Sören Werner , Senior Scientist, Zurich University of Applied Sciences, Switzerland
17:10-17:35	<i>Speech Opportunity is Available</i>

Section 11-2: Protein Engineering Technology (Part II)

(Time: March 25, 2012, Sunday, 13:30-15:10, Place: TBD)

Chair:	<i>Call for Chair</i>
Co-Chair:	Dr. JL Lenormand , Professor, University of Joseph Fourier, France
13:30-13:55	Keynote Speech Title: The High throughput Technology in Purification Process Development and Analysis Dr. Yan-ping Yang , Director Downstream Purification, Bioprocess Research & Development, Sanofi Pasteur, Canada
13:55-14:20	Title: Development of a Cell-Free Expression Platform for the Production of Recombinant Proteoliposomes and Use in Therapeutic Approaches Dr. JL Lenormand , Professor, University of Joseph Fourier, France
14:20-14:45	Title: Discovery of the Improved Antagonistic Prolactin Variants by Library Screening Dr. Yun Liu , Sr. Scientist, Beijing Novo Nordisk Pharmaceuticals Sci & Tech Co. Ltd, P.R. China
14:45-15:10	<i>Speech Opportunity is Available</i>

Chapter 12: Innovative Instrument and Equipment

Section 12-1: Innovative Instrument and Equipment

(Time: March 25, 2012, Sunday, 8:30-11:00, Place: TBD)

Chair:	<i>Call for Chair</i>
Co-Chair:	<i>Call for Co-chair</i>
8:30-8:55	Title: Label Free Intrinsic Imaging Technology in Micro-preparative Capillary Electrophoresis(CE) for the Retrieval and Analysis of Contaminants and Impurities Dr. Stuart Hassard , Chief Scientific Officer, deltaDOT Ltd, London, UK
8:55-9:20	<i>Speech Opportunity is Available</i>
9:20-9:45	Title: Study of Antibody Diffusion into Controlled Pore Glass Using Confocal Raman Spectroscopy Dr. Bian Nanying , Principal Scientist, Merck Millipore, USA
9:45-10:10	Title: Easy Scale up from mL to the 200L (or even 2500L) Scale with Disposable Orbital Shaken Bioreactors Dr. Tibor Anderlel , Head, Adolf Kühner AG, Switzerland
10:10-10:35	Title: Exiprogen™ The Fully-automated protein synthesizer & Nucleic acid extractor which can make 16 proteins within a day Dr. Han-Oh Park , Owner, Bioneer Corp., South Korea
10:35-11:00	<i>Speech Opportunity is Available</i>

Chapter 13: Protein QC/QA and Analytic Tools

Section 13-1: Protein QC/QA and Analytic Tools

(Time: March 25, 2012, Sunday, 08:30-12:10, Place: TBD)

Chair:	Dr. Xueying Huang , President, Sepax Technologies, Inc. USA
Co-Chair:	Dr. Yongmin Yang , Principle Investigator, Covance Pharmaceutical R&D (Shanghai) Co., Ltd, China
08:30-08:55	Title: Implementation of New Technologies for Protein Analysis in cGMP Environment Dr. Elena Vasilyeva , Associate Director, QC Analytical Technology, Biogen Idec, USA
08:55-09:20	Title: Mass Spectrometry Technology Development for Bioparticle Measurement Dr. Chung Hsuan (Winston) Chen , Director, Distinguished Research Fellow, Academia Sinica, Taiwan

09:20-09:45	Title: Antibody Solution Kit for Separation and Characterization of Monoclonal Antibodies Dr.Xueying Huang ,President, Sepax Technologies, Inc. USA
09:45-10:10	Title: Immunogenicity of Therapeutic Proteins Dr. Yongmin Yang ,Principle Investigator, Head of ImmunoChem, Covance Pharmaceutical R&D (Shanghai) Co., Ltd, China
10:10-10:30	Coffee Break
10:30-10:55	Title: An Investigation into the Role of Cytokines in Drug Resistance Using Mass Spectrometry Based Targeted Proteomics Dr. Yun Chen ,Professor, Nanjing Medical University, China
10:55-11:20	Title: The MS based Proteomics Strategies Engineered on the Nano- and Micro- Materials Dr. Muhammad Najam-UI-Haq ,Associate Professor, Bahauddin Zakariya University (BZU) Multan, Pakistan
11:20-11:45	<i>Speech Opportunity is Available</i>
11:45-12:10	Title: Quantitative Analysis of Proteins: How to Make Best Use of Calibrants Dr. Guy Auclair ,Institute for Reference Materials and Measurements (IRMM), Belgium

Part 4: Protein and Peptide Business and Market

Chapter 14: Protein/Peptide CRO/CMO and Business Development

Section 14-1: Protein and Peptide CRO Strategies

(Time: March 25, 2012, Sunday, 13:30-15:10, Place: TBD)

Chair:	Dr. Chris J. Bal , President, CEO, AmbioPharm Inc, USA
Co-Chair:	<i>Call for Co-chair</i>
13:30-13:55	Title: Criteria to Select CMO for Peptide API Process Development and Manufacturing Dr. Chris J. Bal , President, CEO, AmbioPharm Inc, USA
13:55-14:20	Title: Patents: The Sword and the Shield in a Highly Competitive Market Dr. John P. Iwanicki , Attorney, Banner & Witcoff, Ltd. USA
14:20-14:45	Title: TBD Dr. Alan Paa , Vice Provost, Executive Director, Cornell University, USA
14:45-15:10	Title: TBD Dr. Forest B. Li , Partner, Kangxin Partners, P.C., China

Part 5: Mini-Symposia, Workshop and Training Courses

Mini-Symposium: Young Investigator's Research of Proteins

(Time: March 25, 2012, Sunday, 13:30-17:35, Place: TBD)

Chair:	Leonardo Trabuco , Postdoctoral researcher, University of Heidelberg, Germany
Co-Chair:	<i>Co-chair</i>
13:30-13:55	Title: Possible Involvement of miRNA-132 in Neuronal Function of Brain-derived Neurotrophic Factor. Soichiro Kishi , National Center of Neurology and Psychiatry, Japan
13:55-14:20	Title: Phencyclidine-Induced Synaptic Loss via Inhibition of BDNF Secretion in Cultured Cortical Neurons Adachi Naoki , National Center of Neurology and Psychiatry, Japan
14:20-14:45	Title: Unraveling Peptide-mediated Interactions in the Human Interactome Dr. Leonardo Trabuco , Postdoctoral researcher, University of Heidelberg, Germany

14:45-15:10	<p>Title: A Multi-dimensional Matrix for Systems Biology Research and its Application to Interaction Networks</p> <p>Dr. Chi Nam Ignatius Pang, Doctor, University of New South Wales, Australia</p>
15:10-15:30	<p>Coffee Break</p>
15:30-15:55	<p>Title: Electromembrane Extraction – a Novel, Miniaturized Approach for the Extraction of Peptides from Biological Samples</p> <p>Knut Fredrik Seip, Ph.D. Student, University of Oslo, Norway</p>
15:55-16:20	<p>Title: Revealing Biomarker Diversity in One Single Analysis Using Immuno-MS</p> <p>Silje Bøen Torsetnes, Ph.D. Student, University of Oslo, Norway</p>
16:20-16:45	<p>Title: Optimization of In Vitro Protein Selection using mRNA/cDNA Display Method to Search Functional Peptides and Proteins Rapidly</p> <p>Dr. Yuki Mochizuki, Doctoral student, Saitama University, Japan</p>
16:45-17:10	<p>Title: TBD</p> <p>Mr. Markus Luchner, PhD Student, University of Bodenkultur Wien, Austria</p>
17:10-17:35	<p><i>Speech Opportunity is Available</i></p>