

Copenhagen Meeting held on Nov. 14th 2013 at Novo Nordisk Foundation Center for Protein Research, Arranged by Danish Embassy Tokyo

(This meeting was driven from the meeting held on June 19, the Danish Lifescience Seminar, and arranged by Danish Embassy in Japan.)

- Prof. & Director **Soren Brunak**, Novo Nordisk Foundation Center for Protein Research, Department of Disease System Biology, University of Copenhagen
- Prof. & Dupty Director **Jasper Olsen**, Novo Nordisk Foundation Center for Protein Research, Center for Biological Sequence Analysis CBS, University of Copenhagen
- Prof. & Head **Gyorgy Marko-Varga**, Div. Clinical Protein Science & Imaging, Dept. of Measurement Technology and Industrial Electrical Engineering, Lund University, Biomedical Center, BMC.
- Guest Prof. **Toshihide Nishimura**, 1st Department of Surgery, Tokyo Medical University (also, Board of Directors & Trustees, Evidence-Based Integrative Medicine (eBIM), Japan; Board of Directors, & Chairman for Project, the Japanese Society for Clinical Proteomics (JSCP) ; Board of Directors, the Japan Association for Omics-Based Medicine; Principal Investigator Council, Chromosome 3 Program, Chromosome-centric HPP (C-HPP), Human Proteome Organization (HUPO))
- Mr. **Ysuhiko Bando**, CEO, Biosys Technologies Inc., Tokyo

MENTOR PROPOSER:

- Prof. Emeritus **Harybumi Kato**, Tokyo Medical University (President, the Japanese Society for Clinical Proteomics: JSCP; Past President, the International Lung Cancer Society);
- Prof. **Youichi Nakanishi**, Kyushu University (President, the Japan Cancer Society)





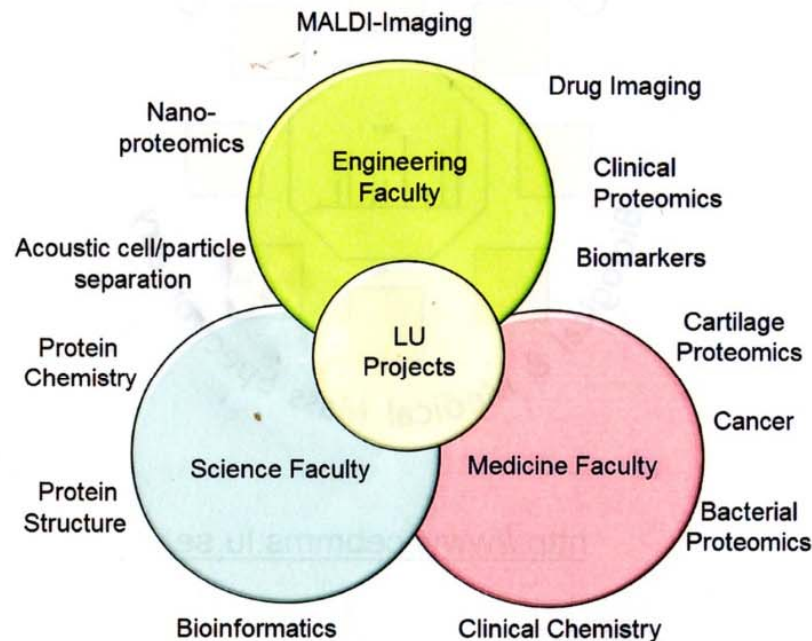
CEBMMS Member Groups

- Thomas Fehniger (Eng Fac)
Director of CEBMMS
- Gyorgy Marko-Varga (Eng Fac)
Clinical proteomics, Drug imaging
- Thomas Laurell (Eng Fac)
Nanoproteomics, Accoustic Separation
- Johan Malmström (Med Fac)
Bacterial proteomics
- Patrik Önnerfjord (Med Fac)
Cartilage proteomics
- Charlotte Welinder (Med Fac)
Tumor biology
- Sven Kjellström (Sci Fac)
Protein structure
- Johan Malm (Med Fac, Reg. Skåne)
Clinical chemistry

CEBMMS Scientific Advisory Board

- International**
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 - Concha Gil University of Madrid, Spain
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 - Johan Lund Pfizer, Boston, USA
 - Peter Roepstorff South Danish University, Odense, Denmark
 - Marius Ueffing Munich, Germany
 - Ena Wang NCI/NIH, Bethesda, USA
- National**
- David Erlinge Lund University, Sweden
 - Sophia Hober KTH, Stockholm, Sweden
 - Håkan Olsson Lund, University, Sweden

The Center of Excellence in Biological and Medical Mass Spectrometry (CEBMMS) is an organization of scientists and activities supporting and enabling high level mass spectrometry measurements within the science community at Lund University and Lund Technical University. Located within the BioMedical Centre, CEBMMS provides a new model for coordinating research resources within the Faculties of Medicine, Science, and Engineering. CEBMMS is conceived as a formidable provider of mass spectrometry expertise and modern instrumentation on a large scale, with the active participation of leading laboratory scientists, for delivering solutions for the current and future unmet needs of biological and medical mass spectrometry.



Scientific Program

09.30-09.40	Gyorgy Marko-Varga, Lund University; "Welcome"
09.40-10.00	Thomas Fehniger; CEBMMS Director, "The Center of Excellence in Biological and Medical Mass Spectrometry in LUND"
10.00-10.15	Gunilla Westergren-Thorsson, Dean of the Faculty of Medicine, Lund University "Inauguration of CEBMMS"
10.15-10.45	Ena Wang; N.I.H, Bethesda, USA. "Translational Medicine Today"
10.45-11.05	Toshihide Nishimura; Tokyo Medical University, Japan, "Lung Cancer studies with Mass Spectrometry Platforms"
11.05-11.25	Martina Marchetti-Deschman Inst. Chemical Technologies, University of Vienna, Austria "Imaging Technology Developments"
11.25-11.50	Johan Malmstrom Lund University; "Bacterial Proteomics"
11.50-12.10	Carol Nilsson University of Texas Medical Branch, USA; "Glioma Stem Cell characterization by Transcript profiling/RNA-Seq and Proteomics"
12.10-13.00	LUNCH
13.00-13.10	"Introducing CEBMMS Afternoon Session"
13.10-13.35	Simon Ekstrom; "Lab on a chip devices for mass spectrometry, applications and opportunities"
13.35-14.00	Balazs Dome, Medical University of Vienna, Austria; "Targeting the blood vasculature in cancer"
14.00-14.25	Roland Andersson. Lund University, "The Challenge of Targeting Healthcare Cost-Benefits"
14.25-14.50	Josef Pannee, Gothenburg University/Sahlgrenska Academy, "Alzheimer Proteomic studies"
14.50-15.10	COFFEE
15.10-15.35	Per Andren, Uppsala University; "Mass Spectrometry Imaging and Profiling in Drug Discovery and Parkinson's Disease"
15.35-16.00	Janne Lethio, Karolinska Institute "Analysis of human protein coding regions by High resolution IEF LC-MS/MS"
16.00-16.25	Thomas Fehniger, Lund University; "Future Directions of CEBMMS"
16:45-	Tour of the laboratory C13 Biomedical Center (BMC)

09.40-10.00

Thomas Fehniger; CEBMMS Director, "The Center of Excellence in Biological and Medical Mass Spectrometry in LUND"

Five Nobel Prizes have been awarded to Mass Spectrometry

 Joseph John Thomson 1906 Nobel Prize for Physics "for his discovery of the great masses of the electrical and experimental investigations on the conduction of electricity by gases"	 Francis William Aston 1922 Nobel Prize for Chemistry "for his discovery, by means of his mass spectrograph, of isotopes, in a large number of non-radioactive elements, and for his association of the whole-number rule"	 Wolfgang Pauli 1929 Nobel Prize for Physics "for the development of the theory of the neutrino"	 John Bennett Fenn 2002 Nobel Prize for Chemistry "for the development of soft desorption ionization methods (ESI) for mass spectrometric analyses of biological macromolecules"	 Koichi Tanaka 2002 Nobel Prize for Chemistry "for the development of soft desorption ionization methods (MALDI) for mass spectrometric analyses of biological macromolecules"
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ESI (Electrospray Ionization)
Taylor cone
Jet
Needle tip
Ionization
 $M [M + nH]n+$

MALDI (Matrix-Assisted Laser Desorption/Ionization)
Laser source
Matrix
Ionization
 $M [M + H]+$

12th Swedish Proteomics Society Symposium

Medicon Village in Lund November 17-18, 2013.

17:00 Opening of the 12th Swedish Proteomics Society Symposium
Sven Kjellström, Lund University, Sweden

Chair: György Marko-Varga

17:10 PLEANARY LECTURE
Innovative Chemical and Instrumental Approaches
Directed at Unraveling Complex Biological Systems
David Muddiman, USA

9:00 Conference Dinner at Grand Hotel

