

# 6<sup>th</sup> Annual Peptide Symposium

May 13-14, 2004, Viikki Info Center (Viikinkaari 11), Helsinki, Lecture Hall 2  
[www.biobio.org/Peptidijaos.html](http://www.biobio.org/Peptidijaos.html)

## Final Programme

### Thu, May 13

9.00 Registration

#### Session I: Peptide Chemistry

Chairs: Ale Närvänen and Jari Hovinen

9.30 Opening Words

Hilkka Lankinen, Department of Virology, University of Helsinki

9:35 Directed Peptide Libraries

Ale Närvänen, Department of Chemistry, University of Kuopio

10.05 Labelling of Biomolecules on Solid Phase

Jari Peuralahti, PerkinElmer Life and Analytical Sciences, Wallac Oy, Turku

10.30 Coffee

11.00 Functional and Structural Analyses of Cyclic and Linear Peptides

Miikka Pakkala, Department of Chemistry, University of Kuopio

11.30 Strategies in Solid Phase Synthesis of Multifunctional Molecules

Merja Häkkinen, Department of Chemistry, University of Kuopio

12.00 Lunch

Poster Session

#### Session II: Structural Studies and Proteomics

Chairs: Ilkka Kilpeläinen and Leena Valmu

13.30 Aqueous Dilute Liquid Crystal – A Novel Medium to Examine Polypeptide Conformations and Dynamics

Arto Annala, Department of Biological and Environmental Sciences, University of Helsinki

14.00 Structures of Two F-spondin TSR Domains with Semiautomated NMR Methods

Helena Tossavainen, Institute of Biotechnology, University of Helsinki

14.30 Structure Function Relationship of Yersinia adhesin YadA Collagen Binding

Heli Nummelin, Institute of Biotechnology, University of Helsinki

15.00 Coffee

15.30 Principles of Peptide Analysis by Mass Spectrometry

Leena Valmu, Department of Clinical Chemistry, University of Helsinki

16.00 Relation Between Structure Function in Pathological Peptides

Marc Baumann, Biomedicum Helsinki, University of Helsinki.

16.30 Use of ICAT Technique in Large-Scale Proteomic Analysis

Jan-Jonas Filén, Turku Centre of Biotechnology, University of Turku

### Fri, May 14

#### Session III: Microarray, Interactions and Diagnostics

Chairs: Hilkka Lankinen and Marc Baumann

9.00 Peptide Arrays-an Array of Opportunities

Ronald Frank, German Research Center for Biotechnology, Braunschweig, Germany

10.00 Mapping the Gelatinase Interactions by Phage Display

Mikael Björklund, Department of Biological and Environmental Sciences, University of Helsinki

10.30 Coffee

11.00 Protein-Protein Interactions of Borrelia burgdorferi OspE with Complement Inhibitor Factor H in Complement Evasion

Antti Alitalo, Haartman Institute, University of Helsinki

11.30 Peptide-Based Assay for Enzymatically Active Prostate Specific Antigen

Jari Leinonen, HUSLAB, Helsinki University Hospital

12.00 Use of DELFIA EU- Labelled Peptides and TruPoint Peptides in Receptor- Ligand and Protease Assays

Jorma Hermonen, PerkinElmer Life and Analytical Sciences, Wallac Oy, Turku

12.30 Lunch

Poster Session

#### Session IV: Bioactive Peptides and Targeting

Chairs: Erkki Koivunen and Carmela Kantor-Aaltonen

13.30 Identification, Regulation and Function of Mammalian RFamide Neuropeptides

Pertti Panula, Neuroscience Center, University of Helsinki

14.00 Interactions of Antimicrobial Peptides with Model Biomembranes: Approach to their Mechanism of Action

Paavo Kinnunen, Institute of Biomedicine, University of Helsinki

14.30 Snake Venom Metalloproteinase-derived Peptides Inhibiting Collagen Receptor Integrin Function

Jarmo Käpylä, Department of Biological and Environmental Biology, University of Jyväskylä

15.00 Coffee

15.30 On the Way of Targeting Peptides to its Target Tissues

Thomas Wirth, Department of Biotechnology and Molecular Medicine, University of Kuopio

16.00 Use of Phage Display Derived Peptide for Targeted Drug Delivery

Oula Penate Medina, CTT Cancer Targeting Technologies Ltd

16.30 Cytotoxic Tumor-homing Peptide

Pirjo Laakkonen, Biomedicum Helsinki, University of Helsinki

17.00 Closing Remarks

Erkki Koivunen, Department of Biological and Environmental Sciences, University of Helsinki

## Registration

The Symposium is free of charge for the participants. Registration required by **April 15** to Carmela Kantor-Aaltonen, email: [carmela.kantor-aaltonen@helsinki.fi](mailto:carmela.kantor-aaltonen@helsinki.fi), tel: +358-9-191 59035. Call for Posters by April 15.

## Contact Information

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