

2nd Label-Free Protein Array Workshop

Latest Advances in Analysis of Macromolecular Interactions

July 3rd & 4th 2008
ENS Cachan (Paris) - FRANCE

Thursday July 3th 2008

8:30 Registration

9:00 Introduction

10:00- 13:00 Session 1- Surface chemistry: a major issue for successful microarrays. Which surface chemistries are most appropriate for a given macromolecule? Which chemistries are easily scalable?

Chairman- Pascal Colpo- JRC Ispra- Italy

Protein nanoarrays for improved immunodetection sensitivity

Pascal Colpo - JRC Ispra- Italy

Surface chemistry dedicated to characterization of biomolecular interactions using SPR imaging

Claude Nogues - ENS Cachan- France

Innovative surface chemistries for macromolecule immobilisation onto polymers and conducting surfaces

Christophe Marquette - ICBMS Lyon- France

Surface Plasmon Resonance Imagery (SPRi) for high throughput sensitive analysis of Histone binding to the Dido protein family using low background peptide target surfaces

Karel Van Wely - CNB Madrid Spain

Title to be announced

Ricardo Gutierrez-Gallego - University of Barcelona Spain

Biochip functionalization for label-free living cell detection

Yoann Roupioz - CEA Grenoble France

13:00- 14:00 Lunch and exhibition

14:00- 16:00 Exhibition, posters and tutorials

16:00- 18:00 Session 2- High Throughput: large scale quantitative technologies are required. What are industry's expectations for throughput and for what type of applications? Which label-free technologies are appropriate for scale-up?

Chairman- Jean-Marie François- CNRS Toulouse, France

Making it Small: Protein Microarrays- Arrays in Applications

Thomas Joos - NMI, Germany

Title to be announced

François Legay - Novartis, Switzerland

Title to be announced

Andrew Griffith - Louis Pasteur University, France

Applications in serology analysis

Patrice Marche - INSERM Grenoble, France

A new process based on microcontact printing for biochip application: multiple biomolecules printing in one step using a PDMS macrostamp

Jean-Christophe Cau - LAAS Toulouse, France

18:00- 20:00 Drink reception

Friday July 4th 2008

9:00- 12h30 Session 3- New Technologies: what are the new emerging technologies? What kind of information do they provide and which questions do they answer ?

Chairman- Malcolm Buckle, ENS Cachan, France

Emerging biopatterning methods for fabricating biochips

Christian Bergaud - LAAS Toulouse, France

Ultraminiaturized immunoassays using microfluidics

Emmanuel Delamarche - IBM Research, Switzerland

Strategies for improved target quantification in protein microarrays

Karen Enander - Linköping University, Sweden

Title to be announced

Edward Hawkins - Cam Medical, UK

Title to be announced

Francis Schaeffer - Institut Pasteur, France

Hyphenation of surface plasmon resonance imaging to MALDI mass spectrometry by on-chip MALDI MS

William Buchmann- LAMBE Evry, France

12:30- 14:00 Lunch and exhibition

14:00- 15:30 Session 4- Standardisation/Data evaluation: absolute values do not exist, therefore it is essential to compare and standardize data. How can different data sets be compared ? What are the challenges of standardization?

Annotating the Human Proteome

Rolf Apweiler - European Bioinformatics Institute, UK

The Ten Commandments of Biosensor Data Analysis

David Myzka - University of Utah, USA

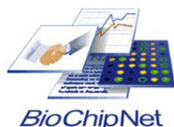
15:30- 16:00 Concluding remarks- Joseph Zyss- ENS Cachan, France

16:00- 16:30 Coffee break- End of workshop

Organizers



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