



MPSA 2006

Lille, France, August 29th > September 2nd
16th meeting of Methods in Protein Structural Analysis
International Association for Protein Structure Analysis and Proteomics

Posttranslational Modifications : Analysis and Function

www.mpsa2006.com

The aim of the conference (MPSA 2006) is to bring together scientists involved in the analysis of different posttranscriptional modifications by various approaches with those involved in the study of the biological relevance of these modifications.

Keynote Lecture

Beyond the Double Helix: Reading and Writing the Histone Code

Allis CD (Rockefeller Univ., USA)

Methylation/Acetylation

Chromatin and Beyond: Detecting Posttranslational Switches in the Human Nucleus by Next-Generation Mass Spectrometry

Kelleher NL (Univ. of Illinois, USA)

Phosphorylation

The Complexity of Protein Covalent Modifications: The Challenges and Mass Spectrometry

Burlingame AL (Univ. of California, San Francisco, USA)

Protein Phosphorylation on Tyrosine in Bacteria

Cozzone AJ (Inst. de Pharmacologie et de Biologie Structurale, Lyon, France)

How Phosphorylations Control the Activity of Nuclear Retinoic Acid Receptors

Rochette-Egly C (Inst. de Génétique et de Biologie Moléculaire et Cellulaire, Illkirch, France)

Comparative Analysis of Posttranslational Modified Proteins and Peptides by Mass Spectrometry: New Technology and Applications in the Study of Cell Migration, the Histone Code and Cancer Vaccine Development.

Hunt DW (Univ. Virginia, USA)

Discovery of Post-Translational Codes on Transcription Factors.

Gorman J (Royal Brisbane Hospital, Australia)

Ubiquitination/Sumoylation

Direct Analysis of Ubiquitin Chain Linkages Regulating Proteasomal Degradation and Proteasome Independent Signaling

Kirkpatrick D (Harvard Medical School, USA)

Exploring the Keratinocyte SUMOome

Wilson VG (Texas A&M University, USA)

Structural and Enzymatic Effects of SUMO Modification of E2 Conjugating Enzymes

Sixma TK (Netherlands Cancer Institute, Amsterdam)

Peptide-centric tools for studying protein processing and less drastic modifications

Gevaert K (Ghent University, Belgium)

Glycosylation

Mass Spectrometric Strategies for Determination of Oligosaccharides

Dell A (Imperial College, London, UK)

High-Throughput Glycan Analytics using DNA-Sequencers

Callewaert N (Ghent University, Belgium)

Disease Glycomics and N-Glycan Branching Structures and Functions

Taniguchi N (Osaka University, Japan)

Exploring complexity of protein O-glycosylation by mass spectrometry.

Peter-Katalinic J (University of Münster, Germany)

Mass Spectrometry: Structural and Functional Impact

Selective Isolation of Peptides Containing Acidic Modifications using Nanocolumns Containing Titanium Dioxide

Roepstorff P (Univ. of Southern Denmark, Odense, Denmark)

Prolyl Isomerization: A Novel Posttranslational Modification in Cell Signaling, Cancer and Alzheimer's Disease

Lu KP (Harvard Medical School, USA)

Interactions/Function

Conotoxins and the Posttranslational Modification of Secreted Gene Products

Olivera BM (Univ. of Utah, USA)

Mechanism and Consequences of Protein Palmitoylation

Linder ME (Washington Univ. St. Louis, USA)

Protein-Protein Interactions during Oxidative Protein Folding and Quality Control in the Endoplasmic Reticulum

Ruddock LW (University of Oulu, Finland)

Plenary Closing Lecture

Protein Interaction Domains in Cellular Regulation

Pawson T (Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto, Canada)

MPSA Logistic secretariat

Perspectives & organisation
logistic@mps2006.com

Scientific contact : M Guy LIPPENS / 00 33 + (0) 3 20 33 72 41/ guy.lippens@mps2006.com