

Probes for peptide science: design and methodological development

PROGRAM

Thursday, April 8th	
9h-10h	Welcome - Registration - Coffee/Tea
10h-10h10	Introduction F. BURLINA & S. LAVIELLE
10h10-10h50	Dr J.E. MOLLOY
10h50-11h10	1 - B. MESTRE
11h10-11h30	2 - J.R. BAKER
11h30-11h50	3 - N. BOGLIOTTI
11h50-12h10	4 - L. SANCEY
12h10-14h	Lunch & Posters
14h-14h40	Dr M. MORRIS
14h40-15h00	5 - L. JONES
15h00-15h20	6 - L. MATHERON
15h20-15h40	7 - S. KUNZELMANN
15h40-16h00	8 - G. SUBRA
16h00-16h40	Tea break & Posters
16h40-17h20	Prof. M. GOELDNER
17h20-17h40	9 - F. PINAUD
17h40-18h00	10 - C. DEBEUCKELAERE
18h00-20h00	Posters & Wine and Cheese Buffet

Friday, April 9th	
9h-9h40	Prof. D. GRAHAM
9h40-10h	11 - C. POLICAR
10h-10h20	12 - A. KLYMCHENKO
10h20-10h40	13 - M. WEBB
10h40-11h10	Coffee break & Posters
11h10-11h50	Prof. B. IMPERIALI
11h50-12h10	14 - L. HOLM
12h10-12h30	15 - C. NURY
12h30-12h40	P. WHITE (Merck Chemicals)
12h30-14h30	Lunch & Posters
14h30-15h10	Prof. L. JULLIEN
15h10-15h30	16 - L. CHOULIER
15h30-15h50	17 - E. GARANGER
15h50-16h10	18 - N. THOMAS
16h10-16h20	Conclusion O. LEQUIN & W.C. CHAN

Thursday, April 8th

9h-10h	Welcome - Registration - Coffee/Tea	
	Introduction (F. BURLINA & S. LAVIELLE)	
10h10-10h50	Dr J.E. MOLLOY <i>"Using extrinsic and intrinsic probes to visualise single molecules in living cells"</i>	C1
10h50-11h10	B. MESTRE « Synthesis and study of lanthanides and related ions complexes as potential biomarkers for optical, magnetic resonance, scintigraphic imaging and radiotherapeutic applications »	O1
11h10-11h30	J.R. BAKER « Protein Modification, Bioconjugation and Disulfide Bridging using Bromomaleimides »	O2
11h30-11h50	N. BOGLIOTTI « Gold Nanorods – RGD Peptide Conjugates for Tumor Targeting »	O3
11h50-12h10	L. SANCEY « RAFT-RGD, a tetrameric RGD-synthetic peptide targeting integrin Alpha(v)Beta(3): from design to clinical application »	O4
12h10-14h	Lunch + Posters	
14h-14h40	Dr M.C. MORRIS « Fluorescent Peptide Biosensors for Imaging Protein Kinases involved in Cell Proliferation and Cancer»	C2
14h40-15h00	L.H. JONES « Cysteinomics – Chemical Biology and Drug Discovery »	O5
15h00-15h20	L. MATHERON « Rationalizing the difficulties encountered for the purification of a basic phosphopeptide »	O6
15h20-15h40	S. KUNZELMANN « Fluorescent, reagentless biosensors fo ADP »	O7
15h40-16h00	G. SUBRA « Quantification of the Cellular uptake of Cell Penetrating compounds by MALDI-TOF MS using HCCA/HCCE discrimination effect: application to a Cell penetrating non peptide (CPNP) oligomer »	O8
16h00-16h40	Tea break + Posters	
16h40-17h20	Prof. M. GOELDNER « Photoregulation of biological activities: concepts and applications »	C3
17h20-17h40	F. PINAUD « Synthetic peptide-based fluorescent probes for single biomolecule targeting and tracking in living cells »	O9
17h40-18h00	C. DEBEUCKELAERE « Allergic contact dermatitis to corticosteroids: NMR study of carbon 13 labelled metabolites interactions with amino-acids and peptides »	O10
18h00-20h00	Posters & Wine and Cheese Buffet	

Friday, April 9th

9h-9h40	Prof. D. GRAHAM C4 « Nanoparticle Based Probes for Bioanalysis »
9h40-10h	C. POLICAR O11 « Photothermal IR-Spectromicroscopy for Subcellular Imaging : an Example of Cellular Mapping of a Metal-Carbonyl Exogenous Compound »
10h-10h20	A.S. KLYMCHENKO O12 « Environment-sensitive fluorescent probes for monitoring biomolecular interactions »
10h20-10h40	M.R. WEBB O13 « Fluorescent reagentless biosensors to investigate the activity and mechanism of DNA helicases »
10h40-11h10	Coffee break & Posters
11h10-11h50	Prof. B. IMPERIALI C5 « Fluorescent Tools for Chemical Biology »
11h50-12h10	L. HOLM O14 « Towards Infinite Affinity Antibodies for Protein Sensing- Electrophilic Affibodies Forming Covalent Bonds to Protein Targets »
12h10-12h30	C. NURY O15 « Covalent modification of Matrix Metalloproteases with diazirine activity-based probe : towards the detection of MMPs active forms »
12h30-12h40	P. WHITE « Tools for synthesis of labelled peptides »
12h30-14h30	Lunch & Posters
14h30-15h10	Prof. L. JULLIEN C6 « Photocontrol of protein activity in a single cell of a live organism »
15h10-15h30	L. CHOULIER O16 « Peptide-based fluorescent ratiometric sensors for direct detection of proteins »
15h30-15h50	E. GARANGER O17 « Multifunctional probes for multimodal molecular imaging »
15h50-16h10	N.R. THOMAS O18 « Azido-Biotins as New Multipurpose Protein Tags »
16h10-16h20	Conclusion (O. LEQUIN & W.C. CHAN)