

# Probes for peptide science: design and methodological development

## PROGRAM

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

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

## Thursday, April 8th

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

## Friday, April 9th

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