

# LILL'GATION

Third Chemical Ligation Meeting



Institut de Biologie de LILLE (France)

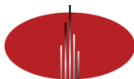
26-27<sup>th</sup> May 2016



**PROTEIGENE**



**Iris**  
BIOTECH GMBH



**PROTEOMIC SOLUTIONS**

## Thursday 26th May 2016

13h30: Welcome and introductory remarks

### Keynote lecture 1

13h45: **Development and use of ubiquitin-based reagents**

H. Ovaa

*Netherlands Cancer Institute (NKI), Amsterdam, Netherlands*

14h30: **O1-Oxime catalysis by freezing**

S. M. Agten, D. P.L. Suylen, T. M. Hackeng

*Department of Biochemistry, Cardiovascular Research Institute Maastricht (CARIM), University Maastricht, Netherlands*

14h50: **O2-Luminescent peptide probes for the selective detection of metal ions or biomolecules in biological media**

L. Raibaut, C. Cepeda, M. Isaac, S.Eliseeva, S. Petoud, D. Boturyn, O. Sèneque

*Laboratoire de Chimie et Biologie des Métaux (LCBM), UMR5249 CNRS-CEA-Univ. Grenoble Alpes, Grenoble, France*

15h10: **O3-Selective homodimerization or polymerization of unprotected peptides using hybrid hydroxydimethylsilane derivatives**

C. Echalié, J. Ciccione, S. Jebors, A. Lebrun, B. Legrand, D. Gagne, E.Naydenova, A. Kalistratova, J-A. Fehrentz, J. Marie, M. Amblard, A. Mehdi, J. Martinez, G. Subra

*Institut des Biomolécules Max Mousseron (IBMM), UMR5247 Montpellier, France*

15h30: **O4-An auxiliary-based approach for the sequential homogeneous glycosylation and ligation of peptides**

C. Bello, A.-C. Gavin and C. F. W. Becker

*Institute of Biological Chemistry, University of Vienna, Austria - EMBL, Structural and Computational Biology Unit, Heidelberg, Germany*

15h50: Poster session (odd numbers), exhibitions and coffee break

17h00: **O5-Multi-click approaches for the synthesis of heteroglycoclusters**

C. Pifferi, B. Thomas, D. Goyard, N. Berthet and O. Renaudet

*Département de Chimie Moléculaire (DCM), Univ. Grenoble Alpes, CNRS, Grenoble, France*

17h20: **O6-Synthesis of naturally occurring cysteine-rich peptides using N-Hnb-Cys crypto-thioesters**

V. P. Terrier, D. Lelièvre, A. F. Delmas, V. Aucagne

*Centre de Biophysique Moléculaire (CBM), CNRS, UPR 4301 Orléans, France*

**17h40: O7-Chemosselective and biocompatible reactions using Sydnone**

L. Plougastel, E. Decuypere, D. Audisio and F. Taran

*iBiTecS, Service de Chimie Bioorganique et de Marquage (SCBM), CEA, Gif sur Yvette, France*

**18h00: O8-Studying mechanisms of amyloidogenesis by chemical protein synthesis**

V. Torbeev

*Institut de Science et d'Ingénierie Supramoléculaires (ISIS), Université de Strasbourg, CNRS UMR 7006, Strasbourg, France*

**18h20: O9-Divergent protein synthesis of Bowman-Birk inhibitor proteins by native chemical ligation of peptide hydrazides**

E. Johansson, P.-O. Wahlund and C. W. Tornøe

*Department of Protein & Peptide Chemistry, Novo Nordisk, Måløv, Denmark*

**18h40: O10-Semisynthesis and biophysical characterization of homogenously modified Prion protein (PrP) variants**

M. Can Araman and Christian F. W. Becker

*Institute of Biological Chemistry, Department of Chemistry, University of Vienna, Vienna, Austria*

20h30: Dinner included in the registration

## Friday 27th May 2016

**8h40: O11-Labeling and conjugation of furan modified peptides and proteins under physiological conditions**

E. Antonatou, W. Vannecke, K. Hoogewijs, and A. Madder

*Organic and Biomimetic Chemistry Research group, Ghent University, Belgium*

**9h00: O12-Orthogonal handling of a peptidic scaffold: a convenient tool for the synthesis of tumor-targeted imaging probes**

F. Thoreau, L. Falcon, S. Duffort, M. Henry, J.-L. Coll, D. Boturyn

*DCM, Univ. Grenoble-Alpes, UMR CNRS 5250, Grenoble -Institut Albert Bonniot, CRI INSERM/UJF U823, Grenoble*

**9h20: O13-Design and study of new cyclic cell-penetrating peptides**

M. Amoura, F. Illien, J. Offer, S. Sagan, F. Burlina

*Laboratoire des Biomolécules (LBM), CNRS UMR 7203, Université P. et M. Curie-Paris 6, CNRS, ENS, Paris, France*

9h40: O14-**Novel conjugation and release strategies for next-generation antibody-drug conjugates**

O. Koniev, S. Kolodych, S.Papot, A. Wagner

*Syndivia S.A.S., 4 Rue Boussingault, 67000 Strasbourg, France*

10h00: Poster session (even numbers), exhibitions and coffee break

10h40: O15-A **helping hand to overcome solubility challenges in chemical protein synthesis with application to GroES.**

M. T. Jacobsen, M. E. Petersen, V.Aucagne, M. S. Kay

*Department of Biochemistry, University of Utah School of Medicine, Salt Lake City, Utah 84112-5650, USA*

*Department of Biochemistry, University of Oxford, Oxford, OX1 3QU, U.K*

## **Keynote lecture 2**

11h00: **Enabling methods for the rapid chemical synthesis and functional analysis of proteins on surface**

O. Seitz, R. Zitterbart, S. Loibl

*Department of Chemistry, Humboldt University Berlin. Brook-Taylor-Str. 2, 12489 Berlin, Germany*

11h45: Closing

12h00: Lunch (in option)