



**FOLDAMERS: from design to protein recognition**  
COST Action CM0803 - Marie Curie IAPP FOLDAPPI joint Symposium  
Bordeaux-Pessac January 25-28 2010

## Scientific Program

### MONDAY JANUARY 25

- 15h00 - 17h00 *Arrival/registration*
- 17h00 - 17h10 *Welcome address, I. Huc, IECB, France; F. Fülöp, Szeged Univ. Hungary*  
17h10 - 18h10 **PL1 S. Gellman, Univ. Wisconsin, USA**  
*"Foldamers: accomplishments and goals"*  
18h10 - 19h00 *Welcome mixer*
- Chair: I. Huc, IECB, France

### TUESDAY JANUARY 26

- 9h30 - 10h30 **PL2 A. Hamilton, Oxford Univ., UK**  
*"Foldamer-based mimetics of alpha-helix structure and function"*  
10h30 - 11h00 **KL1 C. Palomo, Univ. del Pais Vasco, Spain**  
*"Stereocontrolled access to  $\alpha$ - and  $\beta$ -amino carbonyl compounds:  
From stoichiometric to catalytic methods"*  
11h00 - 11h30 **Coffee Break**
- Chair: F. Fülöp
- 11h30 - 11h50 **OC1 C. Schmuck, Univ. Duisburg-Essen, Germany**  
*"Formation of nanostructures by self-assembly of zwitterions in water"*  
11h50 - 12h20 **KL2 C. Tomasini, Univ. Bologna, Italy**  
*"Foldamers designed to form supramolecular materials"*  
12h20 - 12h50 **KL3 S. Hecht, Humboldt Univ. Berlin, Germany**  
*"Switching conformational transitions in foldamers with light"*
- 12h50 - 14h30 **Buffet lunch at premises**
- Chair: R. Ortuño
- 14h30 - 15h30 **PL3 T. Martinek, Szeged Univ. Hungary**  
*"Stereochemical control over the foldamer structures"*  
15h30 - 15h50 **OC2 D. Haldar, IISER, Kolkata, India**  
*"Nanoporous material by self-assembled foldamers: structure and function"*  
15h50 - 16h10 **OC3 R. Rezaei Araghi, Freie Univ. Berlin, Germany**  
*"Synthetic chimeras: new tools to engineer alpha helical interfaces"*  
16h10 - 16h40 **Coffee Break**
- Chair: L. Brunsweld
- 16h40 - 17h10 **KL4 N. Sewald, Bielefeld Univ., Germany**  
*"Synthetic antifreeze glycopeptide analogues - glycosylated foldamers"*  
17h10 - 18h10 **PL4 I. Huc, IECB, Bordeaux, France**  
*"Aromatic mimics of biomolecular folding"*
- Chair: A. Wilson

### WEDNESDAY JANUARY 27

- 9h30 - 10h30 **PL5 J. Robinson, Univ. Zürich, Switzerland**  
*"Design and applications of protein epitope mimetics"*  
10h30 - 11h00 **KL5 M. Smith, Oxford Univ., UK**  
*"Folded and functional: cooperativity and asymmetric catalysis"*  
11h00 - 11h30 **Coffee Break**
- Chair: F. Denonne

## WEDNESDAY JANUARY 27 (continued)

		Chair: G. Guichard
11h30 - 12h00	KL6 L. Brunsweld, Eindhoven Technical Univ. The Netherlands <i>"Molecular determinants of the nuclear receptor - cofactor interaction"</i>	
12h00- 12h20	OC4 I. M. Mándity, Univ. of Szeged, Hungary <i>"Probing secondary structure of <math>\beta</math>-peptide foldamers using gas-phase H/D exchange reactions"</i>	
12h20 - 12h50	KL7 H. Wennemers, Univ. Basel, Switzerland <i>"Catalytically active peptides with the right twist"</i>	
12h50 - 14h30	Buffet lunch at premises	
		Chair: S. Hecht
14h30 - 15h00	KL8 A. Perczel, Eötvös Loránd Univ., Budapest, Hungary <i>"Foldamer stability as predicted by various QM methods"</i>	
15h00 - 15h20	OC5 H. Jiang, Chinese Academy of Sciences, Beijing, China <i>"Folding of oligo(aryl-triazole)s driven by anions"</i>	
15h20 - 17h10	POSTERS and Coffee	Chair: U. Holzgrave
17h10 - 18h10	PL6 S. Gellman, Univ. Wisconsin, USA <i>"Disruption of protein-protein interactions with alpha/beta-peptide foldamers"</i>	

## THURSDAY JANUARY 28

		Chair: H. Wennemers
9h30 - 10h30	PL7 T. Ceska, UCB-Pharma, Slough, UK <i>"Structure-based drug design with approaches to protein-protein interactions"</i>	
10h30 - 11h00	KL9 R. Ortuño, Univ. Autònoma de Barcelona, Spain <i>"Conformationally constrained foldamers synthesis, structural features and some applications"</i>	
11h00 - 11h30	Coffee Break	Chair: D. Aitken
11h30- 11h50	OC6 H. Zeng, National Univ. of Singapore <i>"Circularly folded aromatic pentamers and their biological implications"</i>	
11h50 - 12h10	OC7 F. Bouillère, Univ. Paris Sud XI, France <i>"A new entry into <math>\beta, \gamma</math>-diaminoacids. Towards <math>\gamma</math>-peptide synthesis"</i>	
12h10- 12h30	OC8 M. Stupfel, IECB Bordeaux, France <i>"Protein surface recognition by aza aromatic oligoamide foldamers"</i>	
12h30 - 13h00	KL10 F. Formaggio, Univ. Padova, Italy <i>"Backbone-modified alpha-peptide foldamers"</i>	
13h00 - 14h30	Buffet lunch at premises	
		Chair: A. Perczel
14h30 - 15h30	PL8 G. Guichard, IECB, Bordeaux, France <i>"Urea Oligomers: Connecting Structure to Function"</i>	
15h30 - 16h00	KL11 S. Manginckx, Univ. Ghent, Belgium <i>"Application of allylamines and halogenated imines in the synthesis of conformationally constrained beta-amino acid derivatives"</i>	
16h00 - 16h30	Coffee Break	Chair: C. Tomasini
16h30 - 17h00	KL12 A. Wilson, Univ. Leeds, UK <i>"Inhibition of alpha-helix mediated PPIs using aromatic oligoamides"</i>	
17h00 - 18h00	PL9 A. Schepartz, Yale Univ., USA <i>"Protein design without <math>\alpha</math>-amino acids"</i>	
18h00 - 18h10	Closing address, I. Huc, IECB, France; P. Talaga, UCB-Pharma, Belgium	
19h00	Banquet diner	