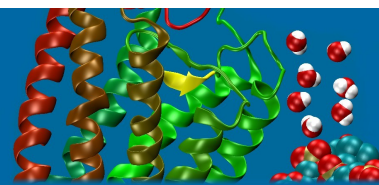


# Structural Biology of Membrane Proteins



## E-bulletin of Marie-Curie Integrated Training Network - SBMPs

April 2011

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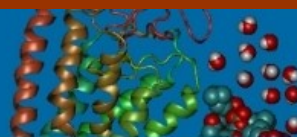
### Upcoming conferences and workshops in 2011:

#### 3<sup>rd</sup> Annual Meeting on SBMPs

23 - 25 May 2011, Utrecht University, The Netherlands

Conferentiehôtel Kontakt der Kontinenten  
Amersfoortsestraat 20  
3769 AS SOESTERBERG

Structural Biology of Membrane Proteins



#### Detailed programme:

#### Monday, 23<sup>rd</sup> May 2011

10.00 - 12.30	Arrival / registration	
12.30 - 13.15	LUNCH	
13.20 - 13.30	Welcome / introduction	
13.30 - 14.00	Bob Griffin (MIT)	Magic Angle Spinning NMR of Membrane Proteins VDAC, M2, and bR
14.00 - 14.30	Volker Doetsch (Frankfurt)	Combination of cell free synthesis and liquid-state NMR for MP Structure Determination
14.30 - 14.50	Michael Zocher	Effect of ligand binding and lipid composition on energy landscape parameters in b2AR
14.50 - 15.10	Menno Tol	Membrane protein stability: the 5-HT3 receptor
15.10 - 15.30	Rajib Schubert	Synthetic Multivalent Ligands as Probes of Cell Adhesion and Signal Transduction
15.30 - 16.00	Coffee / tea	
16.00 - 16.20	Joren Sebastian Retel	Assignment Strategies of Solid State NMR spectra of Membrane Proteins

16.20 - 16.40	Alina A. Remeeva	Development of new approaches to membrane protein crystallization: In meso crystallization
16.40 - 17.00	Parthasarathi Rath	Expression, biochemical and functional characterization of PorA and PorH; the major porins of <i>C. glutamicum</i> .
17.00 - 17.20	Davide Proverbio	Cell-free expression of GPCRs
17.20 - 17.40	Patrick D. Bosshart	Single molecule force spectroscopy on a tetrameric ion channel
17.40 - 18.00	Sabine Gradmann	TBA
18.00 - 19.30	Dinner	
20.00 - 21.00	Posters	

## Tuesday, 24<sup>th</sup> May 2011

7.30 - 9.00	Breakfast	
9.00 - 9.30	R. Fronzes	Structural biology of bacterial type IV secretion systems
9.30 - 10.00	V. Subramaniam	Amyloid at the nanoscale: single molecule and ensemble spectroscopic studies of amyloid-lipid interactions
10.00 - 10.20	Rajendra Kumar	Mechanical properties of the Phi29 Connector: A molecular dynamics study
10.20 - 10.40	André Krüger	Strategies for expression, reconstitution and functional characterization of aquaporin-6, a water and anion channel
10.40 - 11.00	Shiho Kawamura	Quantification of protein stability and kinetics of Rhodopsin and Opsin
11.00 - 11.30	Coffee / tea	
11.30 - 11.50	Lei Kai	Throughput application of cell-free expression system
11.50 - 12.10	Iordan Iordanov	Comparison of the kpOmpA full-length protein and its membrane domain only by means of MALDI-TOF and AFM
12.10 - 12.30	Marie Renault	TBA
12.30 - 13.30	LUNCH	
13.30 - 14.00	M. Engelhard	Sensory Rhodopsins: Transmembrane Signal Transfer
14.00 - 14.30	A. Driessen	The Sec-translocase: a remarkable machine
14.30 - 14.50	Ali Flayhan	<i>E. coli</i> -phage T5 recognition: Structural characterization of the FhuA-pb5 complex
14.50 - 15.10	Gregorio De Palma	Different Labelling Strategies for structural investigation of membrane protein dynamics by solid-state MAS-NMR
15.10 - 15.30	Anup Chowdhury	Deuterium double quantum carbon carbon MAS NMR spectroscopy of perdeuterated outer membrane protein

		G (OmpG) in native lipid environment
15.30 - 16.00	Coffee / tea	
16.00 - 17.00	Free discussions	
17.00 - 18.00	Posters	
18.00 - 19.00	DINNER	
19.00 - 22.00	Social Event	Utrecht

### Wednesday, 25<sup>th</sup> May 2011

7.30 - 9.00	Breakfast	
9.00 - 9.30	Ineke Braakmann (Utrecht)	TBA
9.30 - 9.50	Lina Siauciunaite	Alternative approach for GPCR production: application for chemokine receptors
9.50 - 10.10	Dan Chen	biophysical characterization of GPCR - small molecule interaction
10.10 - 10.30	Vera S. Moiseeva	Probing the in vivo organization of the ADP/ATP carrier by functional assays and FRET studies
10.30 - 10.50	Umesh Ghoshdastider	Investigation of $\gamma$ -secretase complex
11.10 - 11.40	Coffee / tea	
11.40 – 12.10	P. Gros (Utrecht)	Complex formation leading up to the Membrane- Attack-Complex
12.10 - 12.30	Milena Opacic	The EII mannitol transporter from E.coli in a detergent vs. an amphipol environment - Functional and structural observations
12.30 - 13.30	LUNCH	
13.30 - 15.30	SB meeting / Fellows meeting	
15.30 - 16.00	Coffee / tea	
16.00 - 16.30	Concluding remarks	

## COLD SPRING HARBOR ASIA CONFERENCES

### Membrane Proteins: Structure & Function

May 16 - 20, 2011, Suzhou Dushu Lake Conference Center

<http://www.csh-asia.org/membrane11.html>



#### Description:

The conference will include eight oral sessions and two poster sessions covering the latest findings across many topics in membrane proteins research. Many talks will be selected from the openly submitted abstracts on the basis of scientific merit and relevance. Social events throughout the conference provide ample opportunity for informal interactions.

#### Topics

- Biochemistry and structural biology of GPCR
- Primary transporters
- Secondary transporters
- Ion channels
- Membrane protein folding and design
- Microbe/Virus-Specific Membrane Proteins
- New approaches in membrane biology

#### Keynote Speakers:

Brian Kobilka, Stanford University, USA

Gunnar von Heijne, Stockholm University, SWEDEN

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The information about new **conferences**, **courses** and **workshops** related to membrane proteins as well as some important news related to **SBMPs** (including meetings, publications etc.) please send to **Slawomir Filipek** ([sfilipek@iimcb.gov.pl](mailto:sfilipek@iimcb.gov.pl)).

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