



# BioOrbit Workshop 2009

'coupling methods for exploring structures of increasing complexity from molecules to tissues'

**Meeting place: Auditorium Bloch  
at CEA L'Orme des Merisiers, Saint-Aubin (France)**

**January 19<sup>th</sup> p.m. & 20<sup>th</sup>, 2009**

## Programme

### Monday 19/01/2009 (afternoon):

13:15 – 14:15 Reception			
<b>Chairwoman Marie- Hélène LE DU</b>	14:15 – 14:30	Welcome	Jean-Pierre SAMAMA SOLEIL, Saint-Aubin
	14:30 – 15:15	Chemical imaging of normal and pathological liver tissue using synchrotron infrared microspectroscopy	François LE NAOUR Paul Brousse Hospital, INSERM, Villejuif
	15:15 – 16:00	SAXS and NMR: Two complementary methods for the study of multi-domain protein structures	François BONTEMS ICSN, Gif-sur-Yvette
	16:00 – 16:30	Coffee break	
	16:30 – 17:15	Membrane transport and signal transduction in TonB-dependent transporters	David COBESSI Institut de Biologie Structurale, Grenoble
	17:15 – 18:00	Coupling several biophysical methods is essential to define how myosin VI walks at atomic resolution	Anne HOUDUSSE Institut Curie, Paris
	18:00 – 18:45	Single molecular motors enter the cell	Giovanni CAPPELLO Institut Curie, Paris
19:00 – 21:00 Buffet at SOLEIL			

### Tuesday 20/01/2009:

<b>Chairwoman Valérie BIOU</b>	9:00 – 9:45	Under the shadow of UV	Matthieu RÉFRÉGIERS SOLEIL, Saint-Aubin
	9:45 – 10:30	Interactions between wine tannins and human salivary proline rich proteins	Véronique CHEYNIER INRA Montpellier
	10:30 – 11:00	Coffee break	
	11:00 – 11:45	BioXTAS: A microfluidics system for SAXS investigations of biomolecules in solution.	Lise ARLETH University of Copenhagen
	11:45 – 12:30	Combining X-ray crystallography and cryo-EM to study virus structure	Felix REY Institut Pasteur, Paris
12:45 – 14:00 Lunch at SOLEIL canteen			
<b>Chairman Andrew THOMPSON</b>	14:00 – 14:15	<u>Commercial presentation:</u> NVoy Polymer - A New Approach to Working with Difficult Proteins	Gareth BOLITHO Expedeon Protein Solutions, Cambridge, UK
	14:15 – 15:00	X-ray microscopes and microprobes for biological science	Chris JACOBSEN Dept. Physics & Astronomy, Stony Brook University, NY
	15:00 – 15:45	Progress in ribosome structure and function study	Marat YUSUPOV IGBMC, Illkirch
	15:45 – 16:15	Coffee break	
	16:15 – 17:45	From light to electron microscopy in intracellular membrane traffic. What about X ray imaging in between?	Graça RAPOSO & Jean SALAMERO Institut Curie, Paris
	17:45 – 18:45	<u>Round table:</u> Discussion on coupling techniques in order to address projects of increasing complexity in biology.	
19:00 – 21:00 Buffet at SOLEIL			