



FONDATION  
PIERRE-GILLES  
DE GENNES  
POUR LA RECHERCHE

# RENCONTRES MONTAGNE SAINTE-GENEVIEVE 2010

6 AVRIL 2010

ENS - Salle Dussane  
45 rue d'Ulm - 75005 Paris

9h30	OPENING
10h00	<b>M. Lutolf</b> – EPFL <i>Engineering artificial niches to direct stem cell fate</i>
10h50	<b>M. Dahan</b> – ENS <i>Approche quantitative de la réponse chémo-tactique de cellules eukaryotes à l'aide de nouveaux dispositifs microfluidiques</i>
11h10	<b>M. Piel</b> – Institut Curie <i>Dynamic control of cell micro-environment</i>
11h30	<b>P. Bassereau</b> – Institut Curie <i>Diffusion in membrane tubes mimicking neuron structures</i>
11h50	<b>V. Hakim</b> – ENS <i>Collective cell motion: a simple model of a model experiment</i>
12h10	<b>Noam Ziv</b> - Technion <i>Synaptic tenacity - the other side of synaptic plasticity</i>
12h30	LUNCH
14h00	<b>F. Stoddart</b> – Northwestern University <i>Molecular Nanotechnology in Tomorrow's World</i>
14h50	<b>L. Jullien</b> – ENS <i>Controlling biological functions and media with light: From uncaging to photochromism</i>
15h10	<b>D. Laage</b> – ENS <i>Toward a microscopic understanding of protein hydration dynamics</i>
15h30	COFFEE BREAK
15h50	<b>L. Jia</b> – Institut Curie <i>Functionalized nano/micro-objects based on amphiphilic block copolymers</i>
16h10	<b>D. Baigl</b> – ENS <i>Complex and living matter orchestrated by light: from gene photocontrol to genesis of a floating heart</i>
16h30	<b>PRIX PGG</b>
17h00	<b>SESSION POSTER</b>
19h00	BUFFET DINNER
20h00	<b>S. Dehaene</b> – Collège de France <i>L'imagerie cérébrale de l'apprentissage de la lecture</i>

	Introduction / Prix PG de Gennes		FPGG Lecturer
	Invited Lecturer		Poster Session
	Invited Lecturer - short lecture		Break at the ENS



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9h30	<b>J. Howard</b> – Max Planck Institute <i>Molecular Control of Cellular Size</i>
10h20	<b>S. Scheuring</b> – Institut Curie <i>Aquaporin-0 junctions in eye lens membranes</i>
10h40	<b>H. Putzer</b> – IBPC <i>Gene Regulation and mRNA Stability in Bacteria</i>
11h00	COFFEE BREAK
11h30	<b>P. Pierobon</b> – Institut Curie <i>Single Myosin V in Live Cell</i>
11h50	<b>P. Desbiolles</b> – ENS <i>Tracking the motion of single restriction enzymes along the DNA by fluorescence microscopy</i>
12h10	<b>D. Koester</b> – Institut Curie <i>Caveolae as a protection Device to buffer Membrane tension Surge upon mechanical stress</i>
12h30	LUNCH
14h00	<b>B. Houchmandzadeh</b> – Université Joseph Fourier <i>Stochastic clustering in ecological communities</i>
14h50	<b>X. Johnson</b> – IBPC <i>Fluorescence Digital Video Imaging of in vivo Metabolic Activity</i>
15h10	<b>P-J. Nacher</b> – ENS <i>Towards lung MRI at ultra-low magnetic field using laser-polarised He3</i>
15h30	<b>M. Tanter</b> – ESPCI <i>Molecular Time reversal focusing of Ultrasonic waves and Remote Ultrasonic tattooing of tissues</i>
15h50	COFFEE BREAK
16h20	<b>A. Travers</b> – ENS Cachan/ MRC Cambridge <i>Chromatin as a topological nanomachine</i>
16h40	<b>X. Darzacq</b> – ENS <i>Cellular regulation of the transcription elongation control machinery nuclear mobility</i>
17h00	<b>K. Schauer</b> – Institut Curie <i>A computational imaging approach to systematically study the global cellular architecture of endomembranes</i>
17h20	<b>G. Edwards</b> – Institut Curie/ Duke University <i>Tissue biomechanics:biophysical investigations of patterned development and mechano-transduction in developmental biology</i>
17h40	<b>T. Preat</b> – ESPCI <i>Memory consolidation during sleep and brain imaging in Drosophila</i>

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