



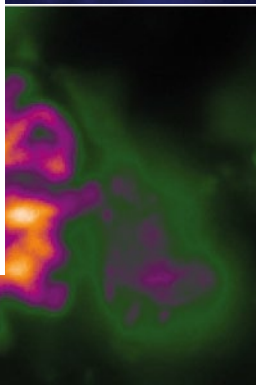
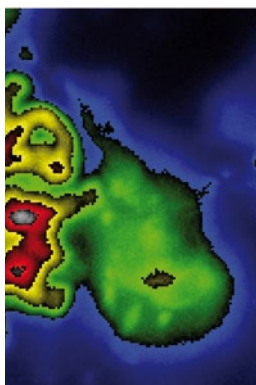
6TH IMAGING

THE CELL

WEDNESDAY 6TH, THURSDAY 7TH,
FRIDAY 8TH, **JUNE 2012**

Amphithéâtre Concorde
Université Paul Sabatier
TOULOUSE (FRANCE)

P R O G R A M M E



ORGANISED BY THE FRENCH SOCIETY OF CELL BIOLOGY
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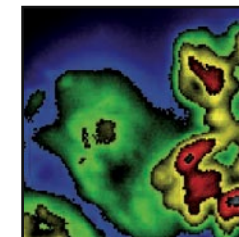
SPEAKERS

- L. BLANCHOIN
- D. BONNET
- P. CHAVRIER
- Y. DUFRENE
- M. EDWARDSON
- E. FERRANDO-MAY
- C. GAUTHIER-ROUVIÈRE
- S. GEORGATOS
- L. GROC
- A. KHODJAKOV
- E. MEIJERING
- P. MEISTER
- M. MENDOZA
- C. MERRIFIELD
- X. MORIN
- M. PIEL
- J. PINES
- L. SCHERMELLEH
- M. SCHWARTZ
- P. TRAN
- J. VAN RHEENEN

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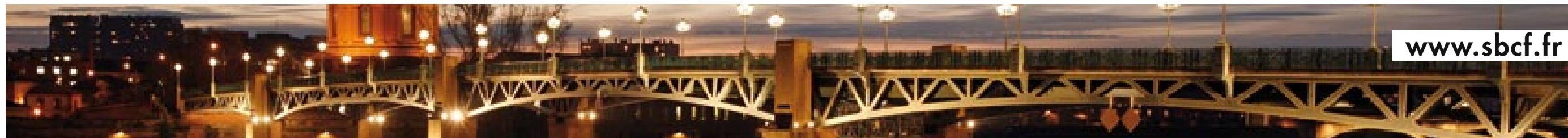
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WEDNESDAY JUNE 6TH

- 7.30 REGISTRATION
- 8.15 INTRODUCING INFORMATIONS
- 8.30 **Title to be announced**
Phong Tran
Institut Curie, Paris, France
- 9.00 **IMAGING THE DYNAMIC ORGANIZATION OF THE ACTIN CYTOSKELETON**
Laurent Blanchoin
CEA, Grenoble, France
- 9.30 **TUMOR CELL INVASION: MOLECULAR MECHANISMS INVOLVED IN THE GENERATION OF INVADOPODIA**
Philippe Chavrier
Institut Curie, Paris, France
- 10.00 **TOWARDS A QUANTITATIVE ANALYSIS OF THE SPINDLE ASSEMBLY CHECKPOINT**
Jonathon Pines
The Gurdon Institute and Department of Zoology, Cambridge, United Kingdom

- 10.30 **COFFEE BREAK**
- 10.50 **SCALING MECHANISMS OF CHROMOSOME CONDENSATION RELATIVE TO SPINDLE LENGTH**
Manuel Mendoza
CRG, Barcelona, Spain
- 11.20 **Title to be announced**
Mathieu Piel
Institut Curie, Paris, France
- 11.50 **Title to be announced**
Alexei Khodjakov
Wadsworth Center, New-York, United States
- 12.20 **LUNCH BOX**
- 14.30 **PRACTICAL WORKSHOPS**
- 18.00 **END OF THE DAY**

THURSDAY JUNE 7TH

- 8.30 **Title to be announced**
Spyros Georgatos
University of Ioannina, Ioannina, Greece
- 9.00 **USING MOLECULAR TENSION SENSORS TO ELUCIDATE A MECHANO-TRANSDUCTION PATHWAY**
Martin Schwartz
University of Yale, New Haven United States
- 9.30 **3D SUPER-RESOLUTION IMAGING OF FUNCTIONAL NUCLEAR ORGANIZATION**
Lothar Schermelleh
University of Oxford, Oxford, United Kingdom
- 10.00 **IMAGING THE BOTULINUM NEUROTOXIN TRANSLOCATION CHANNEL USING ATOMIC FORCE MICROSCOPY**
Mike Edwardson
University of Cambridge, Cambridge, United Kingdom
- 10.30 **COFFEE BREAK**

- 10.50 **DYNAMIC CROSS-TALK BETWEEN SURFACE G-COUPLED AND IONOTROPIC RECEPTORS IN NEURONS**
Laurent Groc
Interdisciplinary Institute for NeuroScience, Bordeaux, France
- 11.20 **FLOTILLINS ARE NEW PARTNERS OF CADHERINS AND CONTROL CADHERIN STABILIZATION AT CELL-CELL CONTACTS**
Cécile Gauthier-Rouvière
CRBM, Montpellier, France
- 11.50 **ADVANCED IMAGE ANALYSIS METHODS FOR PARTICLE AND CELL TRACKING**
Erik Meijering
University Medical Center Rotterdam, Rotterdam, Netherlands
- 12.20 **LUNCH BOX**
- 14.00 **PRACTICAL WORKSHOPS / ROUND TABLES:**
«QUANTIFICATION AND ANALYSIS OF MOLECULAR DYNAMICS AND INTERACTIONS IN LIVE CELLS», GDR 2588
- 16.00 **PRACTICAL WORKSHOPS / ROUND TABLES:**
«IMAGING AT THE NANOSCALE: FOR WHAT PURPOSES ?»
D. Ciepielewski *Nikon*
- 17.30 **END OF THE DAY**

FRIDAY JUNE 8TH

- 8.15 **Title to be announced**
Elisa Ferrando-May
University of Konstanz, Bioimaging Center, Konstanz, Germany
- 8.45 **FORCE NANOSCOPY OF LIVING CELLS**
Yves Dufrêne
Institute of Condensed Matter and Nanotechnology Louvain, Belgium
- 9.15 **FLOTILLINS ARE NEW PARTNERS OF CADHERINS AND CONTROL CADHERIN STABILIZATION AT CELL-CELL CONTACTS**
Cécile Gauthier-Rouvière
CRBM, Montpellier, France
- 9.45 **Title to be announced**
Christien Merrifield
MRC, Cambridge, United Kingdom
- 10.15 **COFFEE BREAK**
- 10.35 **Title to be announced**
Peter Meister
University of Bern, Bern, Switzerland

- 11.05 **DYNAMICS AND MECHANISMS OF MITOTIC SPINDLE ORIENTATION IN 3D IN VIVO AND 2D IN VITRO MODELS**
Xavier Morin
ENS Ulm, Paris, France
- 11.35 **NON-INVASIVE IN-VIVO IMAGING OF HUMAN NORMAL AND LEUKAEMIC STEM CELLS IN THEIR NICHE**
Dominique Bonnet
Cancer Research UK, London, United Kingdom
- 12.05 **INTRAVITAL MICROSCOPY OF CELL MIGRATION DURING METASTASIS THROUGH IMAGING WINDOWS**
Jacco VanRheenen
Hubrecht Institute, Utrecht, The Netherlands
- 12.35 **LUNCH BOX**
- 14.30 **PRACTICAL WORKSHOPS / ROUND TABLES:**
«NOVEL LIVE-CELL ANALYSIS TOOLS FOR DRUG DISCOVERY & IN-VITRO TOXICOLOGY», ENZO LIFE SCIENCES
- 18.00 **END OF THE CONGRESS**

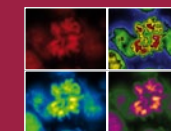
PRACTICAL WORKSHOPS

1. FLIM-FRET AND NEW FLIM ANALYSIS STRATEGIES («PHASOR»)
2. FLUORESCENCE LIFETIME IMAGING MICROSCOPY
3. LUMINESCENCE (LUCIFÉRINE-LUCIFÉRASE)
4. ANIMAL CELLS LASER CAPTURE MICRODISSECTION
5. AUTOMATED FLUORESCENCE MICROSCOPY WITH MULTI-PARAMETER QUANTITATIVE IMAGE ANALYSIS (HCS / HCA) (1ST PART)
6. AUTOMATED FLUORESCENCE MICROSCOPY WITH MULTI-PARAMETER QUANTITATIVE IMAGE ANALYSIS (HCS / HCA) (2ND PART)
7. FLIP BY TWO-PHOTON MICROSCOPY
8. APOTOME, STRUCTURED ILLUMINATION
9. CHARACTERIZING THE DIFFUSION OF LIPIDS BY SINGLE PARTICLE TRACKING
10. CONFORMATIONAL DYNAMICS OF SINGLE DNA MOLECULES BY TETHERED PARTICLE MOTION
11. LASER INDUCED DNA DAMAGE IN CELLULO: HOW TO AND WHAT FOR !
12. FLUORESCENCE RECOVERY AFTER PHOTBLEACHING AT VARIABLE RADIUS (FRAPVR)

13. SMALL ANIMAL IMAGING : WHOLE BODY (PART 1)
14. SMALL ANIMAL IMAGING : INTRAVITAL MICROSCOPY (PART 2)
15. ANALYSIS OF THE VISCOELASTIC PROPERTIES OF THE MICROTUBULES BY PHOTOABLATION AND TIME LAPSE VIDEOMICROSCOPY
16. STUDY OF THE DROSOPHILA LYMPHATIC GLAND DEVELOPMENT BY LASER SCANNING MICROSCOPY (LEICA SP5 AND ZEISS 710 BIG)
17. ELECTRONIC TOMOGRAPHY
18. MULTI-DIMENSIONAL FLUORESCENCE MICROSCOPY WITH HIGH TEMPORAL RESOLUTION ON LIVING CELLS
19. QUANTITATIVE PHASE IMAGING
20. WAVEFRONT SENSOR-BASED ADAPTIVE OPTICS SELECTIVE-PLANE ILLUMINATION MICROSCOPY (WAOSPIM)
21. ATOMIC FORCE MICROSCOPY FOR CELL IMAGING
22. MULTICELLULAR TUMOR SPHEROIDS (MCTS) IMAGING USING LIGHT SHEET ILLUMINATION MICROSCOPE
23. MULTICOLOR TIRF : APPLICATION TO ARCHITECTURAL CYTOSKELETON ORGANIZATION
24. MICROFLUIDIC DEVICES AND ULTRAFAST SENSITIVE MICROSCOPY FOR STUDIES OF THROMBUS FORMATION



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THE
CELL



PARTNERS



partners list the 15/05/12