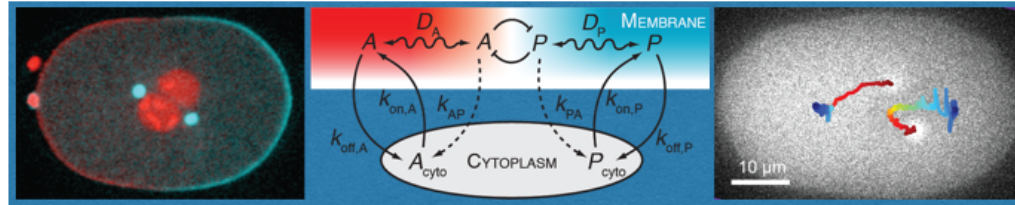


IACeB

Interdisciplinary approaches in *C. elegans* biology



Nov 12-13, 2015 - IGDR - Rennes

Thursday Nov 12

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|-------------|--|
| 12.00-13.20 | Registration and lunch |
| 13.20-13.30 | Introduction |
| 13.30-16.40 | Session 1: Early embryo / Division |
| 13.30-14.00 | Marie Delattre: Evolution of spindle size and motion across nematodes |
| 14.00-14.20 | Hélène Bouvrais: Astral microtubules display two different dynamical behaviors during the division of the one-cell embryo |
| 14.20-14.40 | Lisa Martino: CDK-1 promotes PLK-1 recruitment to the Nuclear Envelope to regulate Nuclear Envelope Breakdown |
| 14.40-15.00 | Lars Hubatsch: Interplay between cell size and cell polarity |
| 15.00-15.30 | Coffee break |
| 15.30-15.50 | Anne Pacquelet: Deciphering a novel mechanism correcting DNA segregation defects |
| 15.50-16.10 | Kim Laband: Structural & Functional Analysis of CLASP during Meiotic Chromosome Segregation in Oocytes |
| 16.10-16.40 | Jacques Pécréaux: Micro-movements of the mitotic spindle poles reveal cell division mechanics |
| 16.45-17.45 | Bioaxial presentation and demo |
| 17.45-18.15 | Coffee break |
| 18.15-19.00 | Keynote speaker: Sylvie Tournier, LBCMP, Toulouse |
| 19.00-20.00 | Poster session |
| 20.00-22.00 | Cheese and wine |

Friday Nov 13

08.30-10.00

Session 2: Early embryo / Cortex

08.30-08.50

Peter Gross: PAR polarity in zygotes is established by a mechanochemical feedback-patterning motif

08.50-09.10

François Robin: Dynamic coupling of actin assembly and Rho activation underlies pulsed contractions

09.10-09.30

Anne-Cécile Reymann: Cortical flow aligns actin filaments to form a cytokinetic ingression

09.30-10.00

Nate Goehring: Design principles of the PAR polarity network

10.00-10.30

Coffee break

10.30-13.00

Session 3: Morphogenesis / cell specification

10.30-11.00

Julie Plastino: WAVE binds Ena/VASP for enhanced Arp2/3 complex-based actin assembly

11.00-11.20

Sophie Quintin: Non-centrosomal epidermal microtubules act in parallel to LET-502/ROCK to promote elongation

11.20-11.50

Queelim Ch'ng: Genetic switch between redundancy and synergy in a multicellular gene expression code

11.50-12.20

Vincent Bertrand: Mechanism of polarization of a field of neuronal precursors

12.20-12.30

Conclusion

12.30-15.00

Lunch and informal discussions

Departure