09:30 - 10:00  **WELCOME BREAKFAST**

10:00 - 10:40  Keynote Lecture: **Pierre GÖNCZY**: Title to be announced

10:40 - 12:00  **SESSION 1** - Chair: **Nicolas TAVERNIER**

10:40 - 11:00  Emanuel Culeitto (I2BC, Paris, France)
The ESCRT II proteins are required for normal muscle function

11:00 - 11:20  Thanh VUONG (IGBMC, Strasbourg, France)
Nano-ablation studies reveal different regulation of mechanical stress anisotropy in the head and in the body during *C. elegans* embryo elongation

10:20 - 11:40  José-Edouardo Gomes (IBGC, Bordeaux, France)
*C. elegans* as model organism to study purine metabolism disorders

11:40 - 12:00  Marie PIERRON (CGphiMC, Lyon, France)
A novel effector of integrin adhesion complexes is involved in cholinergic synaptogenesis in *Caenorhabditis elegans*

12:00 - 15:00  **LUNCH / POSTER SESSION**

15:00 - 16:20  **SESSION 2** - Chair: **Gilliane MATON**

15:00 - 15:20  Abderazak DJEDDI (UPMC, Paris, France)
Efficient sperm-inherited organelle clearance relies on LC3-dependent targeting of the autophagosomes to the peri-centrosomal area for their acidification and dispersion among *C. elegans* blastomeres

15:20 - 15:40  Ruddi RODRIGUEZ-GARCIA (IGDR, Rennes, France)
Dynein intermediate light chain tracks microtubule plus end in an EBP-2 dependent manner in *C. elegans* one cell embryo

15:40 - 16:00  François ROBIN (University of Chicago, USA)
Dynamic coupling of actin assembly and Rho activation underlies pulsed contractions in *C. elegans*

16:00 - 16:20  Anne Pacquelet (IGDR, Rennes, France)
PAR-4/LKB1 and anillin prevent myosin from uncoupling mitotic spindle and cytokinetic furrow positions during cell division

16:20 - 16:40  **COFFEE BREAK**

16:40 - 18:00  **SESSION 3** - Chair: **Benjamin LACROIX**

16:40 - 17:00  Arnaud Hubstenberger (UPMC, Paris, France)
Ribonucleoprotein transitions between soluble, liquid and solid phases during early development

17:20 - 17:40  Aymeric BAILLY (CRBM, Montpellier, France)
A conserved role for deNEDDylating enzyme NEDP1 in apoptosome oligomerisation through NEDD8 chains restriction in response to DNA damage

17:40 - 18:00  Patrick PHILLIPS (University of Oregon, Eugene, USA)
Transgenerational hormesis: testing the adaptive plasticity hypothesis using experimental evolution to heat stress in *C. remanei*

**HAPPY HOUR**