

1st Symposium of the Metabolism & Proteostasis Axis – BIOLuM- 19/11/25

 **Venue:** CNRS Campus, 1919 Route de Mende, 34090 Montpellier

 **Date:** Wednesday, November 19, 2025

 **Time:** 9:00 AM – 6:00 PM

 **Location:** CNRS Building – Amphitheater DR13



9:00–9:15: Welcoming-Introduction BIOLUM

1) Cellular Organization and Intracellular Dynamics

9:15–9:55: Invited speaker - Dominique Weil, IBPS, Paris- « Dynamics of mRNA storage in P-bodies during cell cycle progression »

9:55–10:15: Invited short talk- Jola Polanowska- CRBM-« NEDP1 as a modulator of stress granule homeostasis »

10:15-10:30: Selected talk- Ruairi McGettigan- IGMM- « Condensation of a prion-like protein regulates cellular decisions during mating in S. cerevisiae »

10:30-10:45: Selected talk- Ewan Macdonald- IRIM- « Wired on sugar: Uncovering how surface glycans mediate stemness and invasion»

Coffee Break

2) Metabolic and Signaling Pathways in Model Organisms

11:15–11:55: Invited speaker - Patrick Jouandin, IRCM, Montpellier- « Amino acids in growth, behavior, and organ cross-talk»

11:55–12:10: Selected Talk - Susanne Schmidt – CRBM- « Metabolic perturbations in a trio knock-in mouse model of intellectual disability»

12:10–12:25: Selected Talk - Benjamin Lacroix – CRBM- « Unexpected effect of cell cycle oscillators on lipid metabolism and cytoplasmic physical properties »

12:25–12:45: Invited short talk- Yoan Arribat – IRMB- « Loss of Organelle Coordination leads to Lipid Imbalance and subsequent Neurodegeneration »

Lunch Break

 **Contact & Registration:** register on: <https://metabolism.sciencesconf.org> and contact at biolum.metabolism.proteostasis@services.cnrs.fr



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3) Metabolic Integration and Energy Homeostasis

14:00-15:00: *Plenary Lecture - Niklas Mejhert and Mikael Ryden, Karolinska Institute, Stockholm « High-resolution approaches to study human white adipose tissue»*

15:00-15:15: *Selected talk - Yasmine Messaoud-Nacer- IGMM- « Polyunsaturated fatty acids imbalance in Type I interferonopathies »*

15:15-15:30: *Selected talk - Elycia Calvet- IRIM- « Generating Human iPSC-Derived Pericytes to Investigate Phosphate Homeostasis in Primary Familial Brain Calcification »*

15:30-15:50: *Invited short talk- Béatrice Chabi , DMEM, Montpellier – « Metabolic environment and protein synthesis regulation in Skeletal Muscle »*

Coffee Break

4) Molecular Regulation of Cellular Metabolism

16:20-17:00: *Invited speaker - Valérie Dardalhon, IGMM, BIOLUM- « Role of metabolism in anti-tumor T cell responses »*

17:00-17:15: *Selected talk - Lise Chauveau- IRIM- « The human plasma metabolic environment favours HIV replication in primary CD4 T lymphocytes by providing an optimal amino acids balance»*

17:15-17:30: *Selected talk - Cyril Moulé – CRBM – « Different Behaviors of Perilipin 4: From Lipid Storage in Lipid Droplets to a Distal Myopathy »*

17:30-17:50: *Invited short talk- Jean Marie Galano, IBMM, Montpellier- « Rewriting the Chemistry of Oxidative Stress: What Molecular Networking Tells Us About Lipid Peroxidation»*

17:50-18:00: *Closing remarks*

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