

Pre-program

Thursday October 1st

08:00 Arrival

08:45 Welcome address – Olivier Raineteau and Véronique Maguer-Satta

Keynote 1

Session Chair: Michel Cayouette

09:00 Elie Haddad, Université de Montréal. *“Designing Specific Promoters in Hematopoietic Stem Cells”*

Session 1: Regulatory Mechanisms of Adult Stem Cells

Session Chair: Nicolas Dumont

10:00 Florian Bentzinger, Université de Sherbrooke. *“Novel roles of the extracellular matrix in the skeletal muscle stem cell niche”*

10:30 Coffee Break

11:00 Adrien Hallou, Oxford, *“Spatial mechano-transcriptomics: mapping mechanical forces and gene expression in tissues at single-cell resolution”*

11:30 Eirini Trompouki, IRCAN, Nice. *“RNA sensing in the aging hematopoietic system”*

12:00 Sort Talk TBD

12:15 Sort Talk TBD

12:30 Lunch Break

Session 2: Cancer Stem Cells and Tumor Progression

Session Chair: David Knapp

14:00 Julie Lessard, IRIC. *“SWI/SNF-Dependent Chromatin Remodeling in Normal and Leukemic Hematopoiesis”*

14:30 Donna Senger Kleinman, Lady Davis Institute, Montreal. *“Inflammatory tumor brain microenvironment” (TBC)*

15:00 Vincent Guen, CRCI2NA, Nantes. *“Constructing and deconstructing the mammary gland and breast cancer”*

15:15 Short Talk TBD

15:30 Coffee Break

16:00 Jean-Francois Côté, IRCM Montréal. *“AXL as a Mediator of Breast Cancer Metastasis: Dissecting Localization and Tumor Microenvironmental Cues”*

16:30 Celine Delloye-Bourgeois, Cancer Research Center of Lyon (CRCL). *“When Development Goes Wrong: How Embryonic Programs Fuel Neuroblastoma Tumoral and Metastatic Dynamics”*

Poster session 1

17:00-19:00 Posters and aperitif

Friday October 2nd

Keynote 2

Session Chair: Michel Cayouette

09:00 Pierre Vanderhaeghen, KU Leuven Brain Institute. *'Development & evolution of the cerebral cortex, from stem cells to neuronal circuits, from mouse to man, in health and disease'* (TBC)

Session 3: Development and Pluripotency

Session Chair: Erika Cosset

10:00 Claire Chazaud, iGred, Clermont-Ferrand. *"The emergence of the pluripotent epiblast during mouse preimplantation"*

10:30 Coffee Break

11:00 Jonathan Enriquez, IGFL, Lyon. *"Spatiotemporal Encoding of Muscle Identity: From Stem Cells to Muscle Architecture »*

11:30 Short Talk TBD

11:45 Short Talk TBD

12 :00 Laurent Nguyen, Université de Liège *'Mechanisms regulating cerebral cortex neurogenesis'* (TBC)

12:30 Lunch Break

Poster session 2

12:30 – 14:00 Posters

Lecture

14:00 Robert Kelly, Aix-Marseille University, (IBDM). *'The second heart field and cardiac septation'*

Session 4: Emerging Concepts and Innovative Technologies

Session Chair: Olivier Raineteau

14:30 Marie Castet, Cancer Research Center of Lyon (CRCL). *"ADAMTSL1, a matricellular regulator of progenitor cell fate: from skeletal muscle to rhabdomyosarcoma"*

15:00 Short Talk TBD

15:15 Short Talk TBD

15:30 Julien Courchet, INMG, Lyon. *"The LKB1-NUAK1 signaling pathways couples metabolic regulation to neuronal morphogenesis in the developing brain"*

16:00 Coffee Break

16:30 Short Talk TBD

16:45 Short Talk TBD

17:00 Bertrand Routy, Université de Montreal, *"Immuno-onco and microbiome"* (TBC)

Poster Awards and Closing Remarks

17:30 Poster awards – Charlène Guillot, Anne Mey, David Knapp and Nicolas Dumont

17:40 Closing remarks – Colin Crist and Michel Cayouette