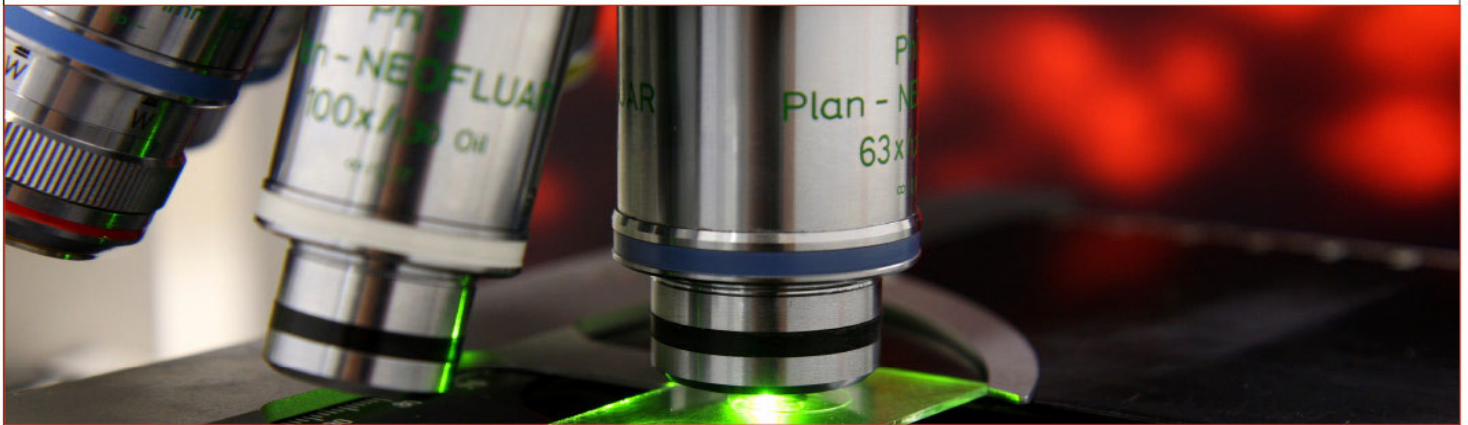


SÉMINAIRES ET CONFÉRENCES



Marco Trizzino

**Department of Biochemistry and Molecular Biology and of
the Sydney Kimmel Medical College at Thomas Jefferson
University**

“Mechanisms of gene regulation in development and ageing”

Organismal development is a process that requires a fine-tuned control of cell fate identity and growth, through timely regulation of tissue-specific genes. These processes are mediated by the concerted action of transcription factors and protein complexes that orchestrate the interaction between cis-regulatory elements (enhancers, promoters) and RNA Polymerase II to elicit transcription. Impairment of developmental gene regulation often results in syndromic outcomes. In my lab, we leverage iPSC differentiation and computational genomics to study craniofacial and neural development. We are particularly keen on understanding how developmental gene regulation has evolved in mammals (and particularly in primates), and on investigating why mutations in certain genes are frequently associated with neurodevelopmental syndromes.

Lien zoom:

<https://umontreal.zoom.us/j/81001851931?pwd=d0ZkYnhLSUISVUliTmloRDF1ai93QT09>



Faculté de médecine
Département de biochimie
et médecine moléculaire

Université 
de Montréal

Le lundi 21 février 2022, 11h30

Invité de Pascale Legault