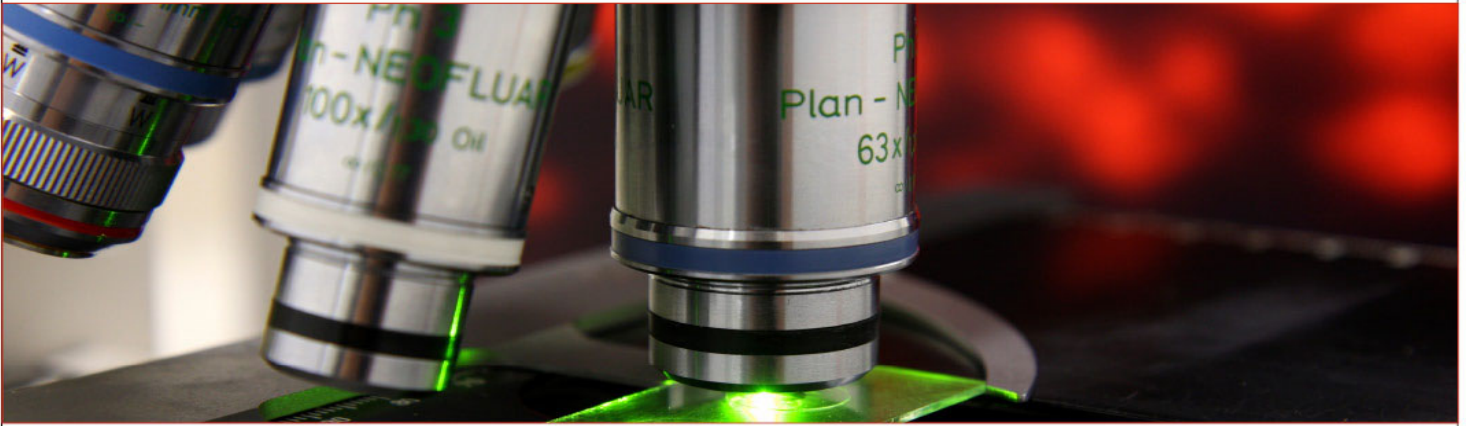


# SÉMINAIRES ET CONFÉRENCES



**Karim Mekhail**

**Department of Laboratory Medicine and Pathobiology,  
Temerty Faculty of Medicine, University of Toronto.**

**“RNA polymerase battles drive ribosome biogenesis”**

*Do we need to update our knowledge on the division of labor between the major RNA polymerases? I will discuss how our findings suggest that the answer to this question is yes. Data supporting five conclusions will be presented: 1) There exists active RNA Pol II at human ribosomal DNA; 2) RNA Pol II maintains nucleoli via intergenic non-coding RNA control; 3) RNA Pol II sets an R-loop shield for RNA Pol I; 4) Intergenic non-coding RNAs can alter nucleoli in cancer cells; and 5) Nucleolar RNA Pol II regulates cellular stress responses.*

<https://umontreal.zoom.us/j/82656856748?pwd=bHdhSVdhSWdLejhIM2pPN1BNSGIrQT09>



Faculté de médecine  
Département de biochimie  
et médecine moléculaire

Université   
de Montréal

**Le lundi 6 décembre 2021, 11h30**

Invité de Gerardo Ferbeyre