

CONFÉRENCE

Rodrigo Reyes-Lamothe

Assistant Professor
Department of Biology, McGill University
Montréal, Québec

Stability and turnover in the replisome of *Escherichia coli*

DNA replication requires the coordinated activity of numerous protein factors, which associate in a multi-protein machine termed the replisome. In *E. coli*, a pair of replisomes that load at the origin replicate the chromosome, each synthesizing about 2.3 million base pairs. It is therefore believed that replisomes are very stable molecular assemblies, nevertheless there is little information about the turnover rates of its components. Using fluorescence microscopy we have obtained data *in vivo* showing that most of replisome components turnover rapidly. Current work tries to understand how this dynamic exchange fits with the observed stability of the complex as a whole.

Jeudi le 10 avril à 11h30
Pavillon Claire McNicoll, salle Z-317

Invité par Dr Marc Drolet et Dr George Szatmari
Tél: (514) 343-5767
Courriel: george.szatmari@umontreal.ca