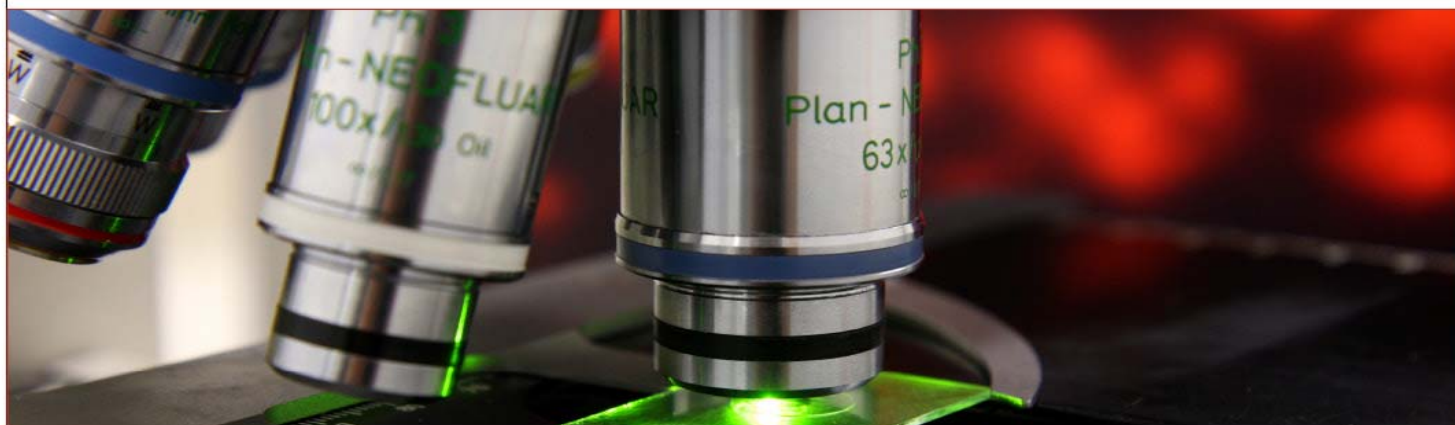


# SÉMINAIRES ET CONFÉRENCES



**Thibault Mayor**  
University of British Columbia

## « License to kill: the clearance of cytosolic misfolded proteins »

Protein quality control pathways monitor the proteome to avoid the accumulation of misfolded proteins and their aggregation, which has been associated to aging, as well as many neurodegenerative diseases. Protein quality control pathways can either assist refolding or target terminally misfolded proteins for degradation; a major challenge is to decipher how these triage decisions are made at the molecular level. In the past years, we characterized several pathways that rely on E3 ubiquitin ligases to target cytosolic misfolded proteins for proteasome degradation. I will present our recent work that shows how one of these E3 ligases is “reprogrammed” under stress conditions in order to target cytosolic misfolded proteins for proteasome degradation. In addition, I will also report new results showing how some proteins coalesce into cellular inclusions upon heat stress. Our work provides a new framework to better understand the targeting of misfolded polypeptides by quality control pathways that play a major role in protein homeostasis.



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**Le lundi, le 27 novembre 2017, 11:30**

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Salle : G-415**

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