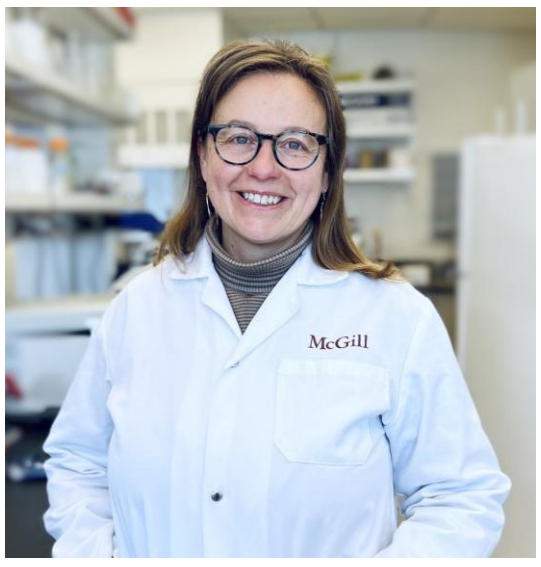
Département d'immunologie et biologie cellulaire

SÉMINAIRE

Context matters: how self-antigen shapes T cell tolerance



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Self-reactive T cells are not simply eliminated. Instead, the immune system deploys a range of tolerance mechanisms whose selection depends on how, where, and to what extent self-antigen is encountered. I will discuss recent work showing that distinct thymic epithelial cell subsets can direct different developmental fates of autoreactive T cells, that the magnitude of self-antigen recognition programs anergic CD8 T cell states with differential sensitivity to checkpoint blockade, and that antigen-specific regulatory T cells help shape the peripheral pool of anergic self-reactive T cells. Together, these studies suggest that self-antigen context is a central determinant of T cell fate and reveal how central and peripheral tolerance mechanisms cooperate to preserve immune homeostasis while maintaining a diverse T cell repertoire.

Le mardi 8 décembre 2026
13h00

À l'IPS au local Z5-3001

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