

Séminaire de l'axe

« Découverte et validation de cibles thérapeutiques »



« The central role of intracellular reactive oxygen species in the aging-associated pro-inflammatory phenotype of human mesenchymal stromal cells »

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Pavillon Jean-Coutu

12h00 – S1-111

À l'invitation du professeur Marc Servant

Mesenchymal stromal cells (MSCs) are powerful modulators of the innate and adaptive immune systems, and are currently being evaluated as potential therapies for a variety of chronic inflammatory diseases. We previously showed that increased donor age is associated with a reduction in MSC immunomodulatory capacity. In this presentation, I will discuss our recent findings on the possible mechanistic bases underlying the aging-related deterioration of MSC immunomodulatory capacity. Interventions aimed at improving aged MSC's function (and thus therapeutic efficacy) will also be presented.