

## Etienne Meunier

### Title: [Unchaining the non-canonical inflammasome](#)

Abstract: Gram-negative bacterial lipid-A detection by caspase-11 initiates the non-canonical inflammasome pathway, which is of chief importance at restricting various intracellular pathogens. Yet, uncontrolled activation of the caspase-11 non-canonical inflammasome promotes host pathological response, such as sepsis. In this context, understanding and characterizing the molecular and cellular events that control caspase-11 sensitivity to the Lipid-A is of strong importance.

Relying on previous results showing that the Interferon (IFN)-stimulated GTPases Guanylate Binding Proteins (GBPs) facilitate Lipid-A sensing by caspase-11, we have investigated an unexpected function for a novel IFN-inducible gene, namely *Irgm2*, at controlling caspase-11 threshold response.

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