

# Séminaire



CONFÉRENCIER  
INVITÉ

Vendredi 16 Décembre 2022 à 11h

Salle des  
séminaires IBS

Institut de biologie structurale - 71 avenue des Martyrs CS 10090 38044 Grenoble Cedex 9 - T.+33 (0)4 57 42 85 00

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## The role of the skin in the malaria sporozoite neutralization by a novel type of cytotoxic antibodies

Antibodies play a central role in the adaptive humoral immune responses against pathogens. These effectors can neutralize microorganisms and elicit a cytotoxic activity on target cells by downstream activation of the complement cascade or host cells. Here, I will describe a novel parasite-dependent cytotoxic activity of protective antibodies correlated with protection against malaria sporozoite infection. The mechanisms of protection at a molecular, cellular and tissular level will be addressed as well as the implications for the development of more efficient prophylactic immunotherapies and vaccines.

*Hôte : Pascal Poignard (IBS/groupe Complement, anticorps et maladies infectieuses)*

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