



Mardi 19 septembre 2017, 11:00


Salle de réunion


ÉCOLOGIE ÉVOLUTIVE DE LA DYNAMIQUE DES ANTICORPS

par

Romain Garnier

Postdoc, Univ. Cambridge

 Immune responses are highly variable in the wild. The dynamics of humoral responses, in particular, has important epidemiological implications. But the balance of costs and benefits as well as the ecological pressures that determine these dynamics are still poorly understood.

 I will first show how different life histories may result in different persistence of antibody responses. I will further show how antibody responses may vary throughout the life of individuals and be part of evolutionary trade-offs, where higher antibodies may not maximize fitness. Finally I will show how antibody dynamics may be used to inform on the dynamics of disease in wild system.



UNIVERSITY OF
CAMBRIDGE