

Title: Metabolic adaptation in disease tolerance to infection

Supervisor: Miguel P. Soares

IGC Group: Inflammation

E-mail contact: mpsoares@igc.gulbenkian.pt

Abstract: Pathogenic organisms exert a negative impact on host health and fitness. Host immunity limits negative impact of infection through resistance mechanisms that sense and target pathogens for containment, killing or expulsion. Protection from infection however, requires an additional defense strategy provided by tissue damage control mechanisms. These adjust the metabolic output of host tissues to different forms of stress and damage associated with infection, establishing disease tolerance to infection. We are exploring how host metabolic adaptation contributes to the establishment of disease tolerance to infection.

References:

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