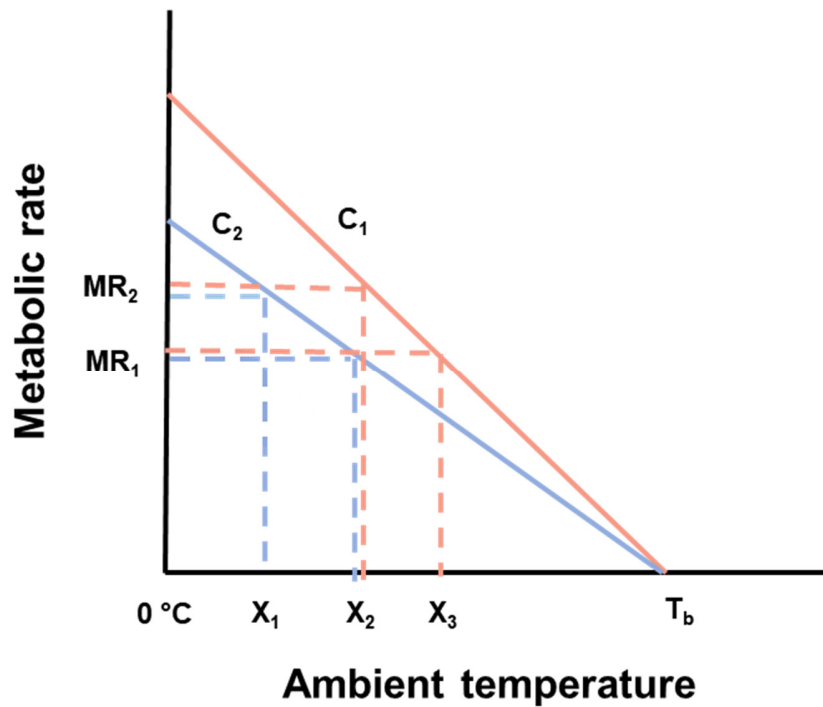


The influence of roost type and diet on energy expenditure in bats

Cynthia Marroquin, Thomas Gerth and Agustí Muñoz-García



Supplemental Figure S1. Hypothetical relationship between metabolic rate and ambient temperature in two individual bats with the same body mass and the same body temperature (T_b). In Individual 1 (red), conductance (C_1) is higher than in Individual 2 (blue, C_2). When we keep roost temperature constant at a value of X_2 , Individual 1, with higher conductance, has a higher metabolic rate (MR_2) than Individual 2, with lower conductance (MR_1). If Individual 1 needs to lower the MR to a value of MR_1 , then it should move to a site where the temperature in the roost is higher (X_3). Individual 2 would reach MR_2 at lower values of temperature (X_1) than Individual 1.