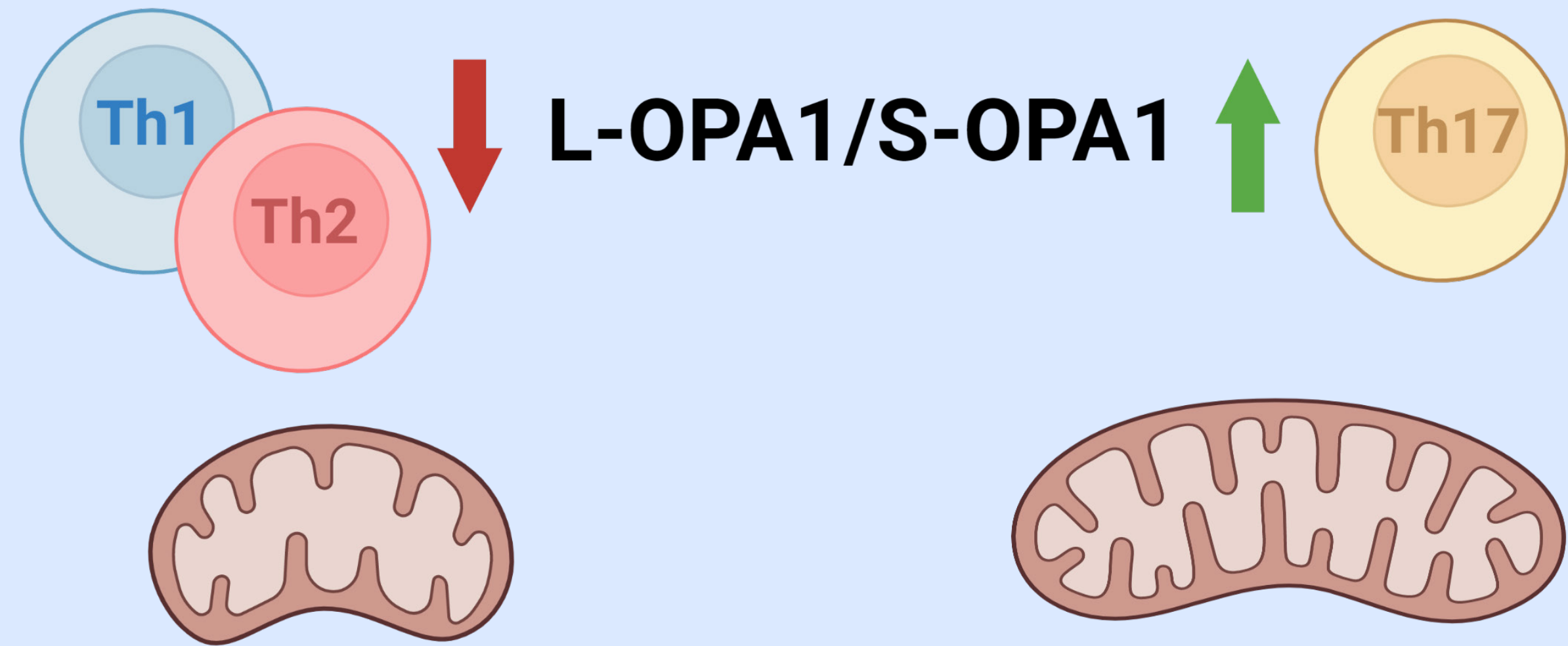
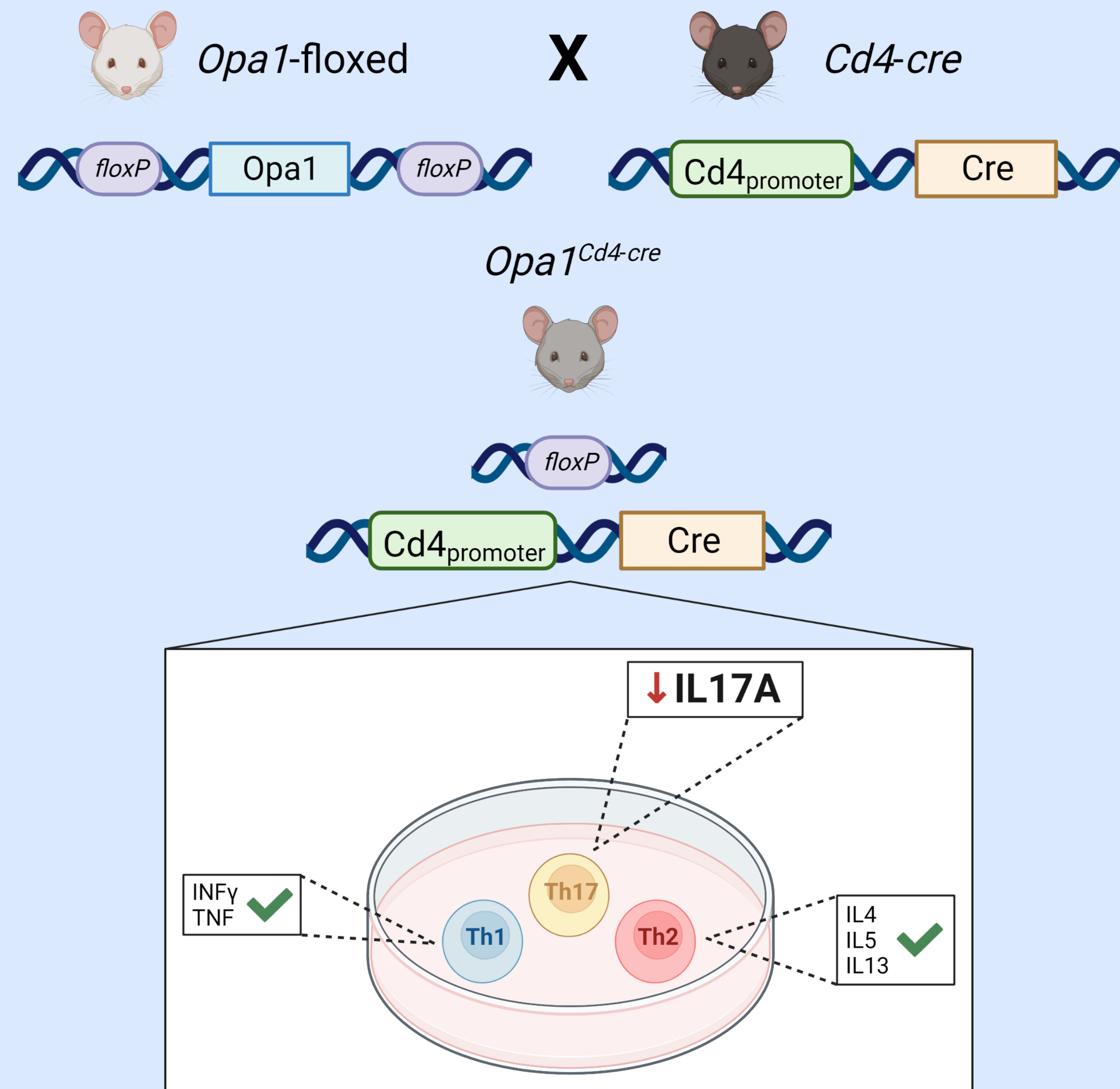


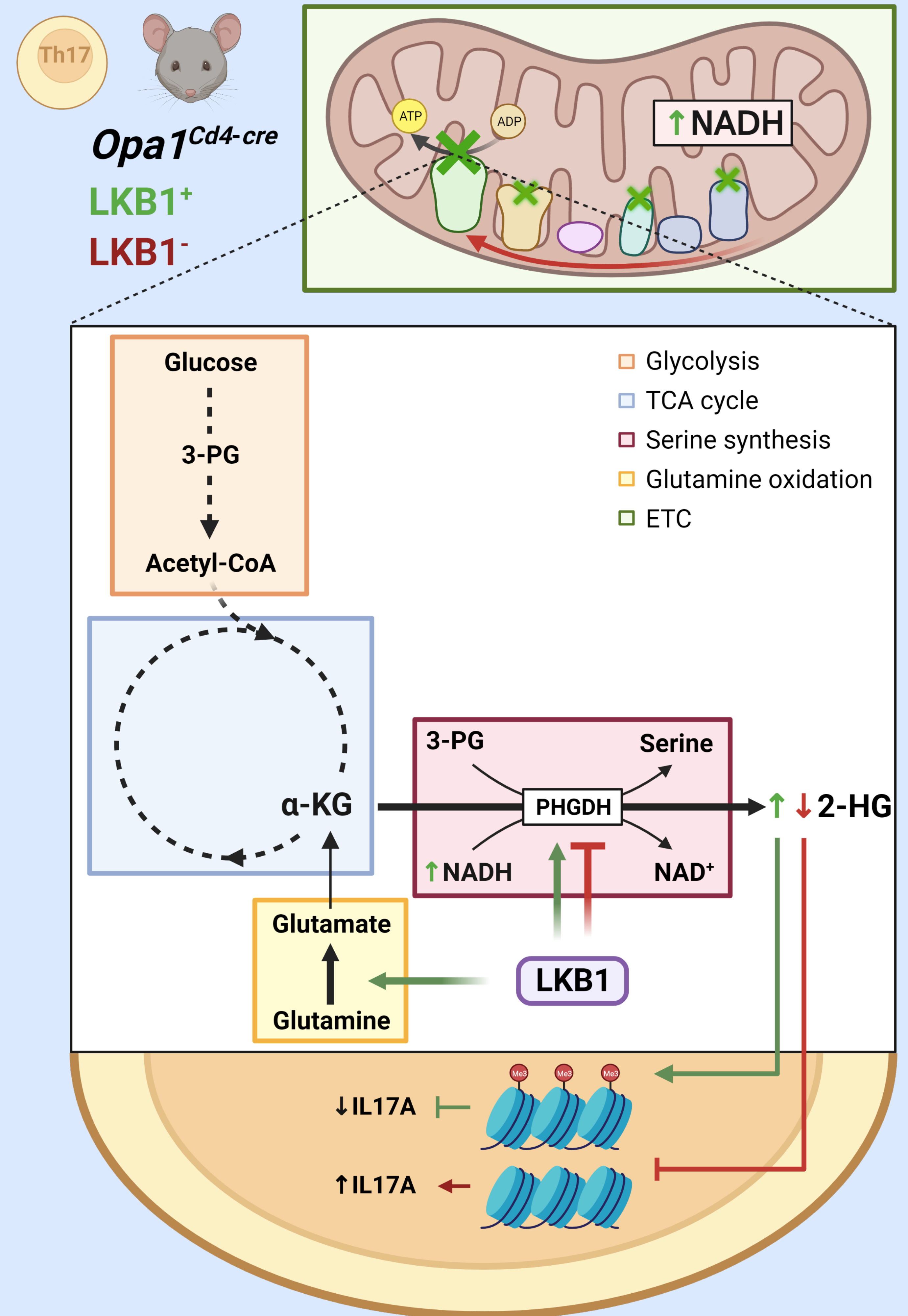
## OPA1 alters mitochondrial morphology



## OPA1 impairs IL17A production in $T_H17$ cells



## Energetic metabolism regulates *Il17a* expression via OPA1-LKB1 axis



**Figure 1.** A summarized view of the article by Baixauli et al. (DOI: 10.1038/s41586-022-05264-1). The authors demonstrated differences in the correlation between mitochondrial dynamics and L-OPA1/S-OPA1 ratio depending on the CD4<sup>+</sup> T cells subtype. In an attempt to assess this matter, they developed an OPA1 knock-out mouse model in which they saw an alteration in the expression pattern of *Il17a*. Finally, they followed a multi-omic strategy to characterize the signaling pathway of OPA1 in T<sub>H</sub>17 cells and found that LKB1 deletion restored IL17A production in the established mouse model.