

1. Responses to the reviewer's comments:

We have added a paragraph describing the role of macrophages in the innate immunity section of the manuscript. In particular, we emphasized the conversion of macrophage function from M1 to M2 type activities depending on their location or environment. When macrophages are situated in cancer microenvironments, they become a specific subgroup called tumor-associated macrophages (TAMs) which display both pro- and anti-tumor functions. TAMs within the cancer microenvironment play crucial roles in oncogenesis, metastasis and manipulation of the adaptive immune system by manipulating effective T-cells. All the revisions are highlighted in yellow in the new version of the manuscript.