Reduced numbers of DC and LC
Impaired function of DC and LC
Altered cytokine production
Failure to stimulate CD4+ T cells
Changes in TLR signaling

Ageing

Pathogen TLR
PAMP
NKT cell
CD8
Th1
IFN-γ
IL-10
TGF-β
Th2
IL-4
IL-5
IL-13
Naïve T cell
Langerhans cell
Dendritic cell
Ab
BC