

Mononuclear phagocyte biology at the mucosal barrier surfaces in health & disease

- Mononuclear phagocytes (macrophages & dendritic cells) are essential for mucosal homeostasis and tissue repair but also drive chronic pathologies e.g. IPF & IBD
- Tissue macrophages & dendritic cells are highly heterogeneous – distinct functions by discrete subsets?
- Macrophage subsets can arise from distinct precursors – developmentally-distinct macrophages behave differently in health and inflammation
- Environmental signals imprint the identity and function of macrophages & dendritic cells – nature of these signals is poorly understood

