

Innate Immunity Course syllabus	
<b>Week 1</b>	<b>Cellular players - part 1</b>
	Macrophages Neutrophils NK cells NKT cells Innate lymphoid cells
<b>Week 2</b>	<b>Cellular players - part 2</b>
	T $\gamma/\delta$ lymphocytes Th17 lymphocytes Treg lymphocytes Dendritic cells Mast cells
<b>Week 3</b>	<b>Molecular players - part 1</b>
	PAMPs / Pathogen associated molecular patterns DAMPs (alarmins) / Damage associated molecular patterns PRRs : TLR / Pattern recognition receptors PRRs : NLR / Pattern recognition receptors PRRs : RLR / Pattern recognition receptors (PRRs)
<b>Week 4</b>	<b>Molecular players - part 2</b>
	The complement system Cytokines Chemokines Anti-microbial peptides
<b>Week 5</b>	<b>Host-pathogen interactions</b>
	Anti-infectious role of cytokines Innate immunity and bacterial infection Innate immunity and viral infection Innate immunity and parasitic infection Innate immunity against fungal infection Microbial strategies against the immune system Mucosal innate immunity
<b>Week 6</b>	<b>Regulation of innate immune response</b>
	Sepsis/ an overwhelmed innate immune response Influence of microbiota on innate immunity Regulation of the immune system by the central and peripheral nervous system Links between innate and adaptive immunity Evolutionary genetics of the human innate immune system Trained innate immunity Parameters influencing immune responses

<https://www.fun-mooc.fr/courses/course-v1:pasteur+96004+session01/about>