

	Macrophage polarization	
	M1 phenotype	M2 phenotype
Activation	Th1 (classical)	Th2 (alternative)
Stimuli	IFN- γ , LPS	IL-4, IL-13, Immune complexes, LPS, Glucocorticoids, etc.
Transcription factors	IRF5, NF- κ B, AP-1, STAT1	
Secretions	iNOS, IFN- γ , TNF α , IL-1 α , IL-1 β , IL-6, IL-12, IL-18, IL-23	IL-10, IL-12, arginase 1
Proinflammatory cytokines	high levels	low levels
Antigen presentation	yes	no
Nitric oxide production	yes	no
ROS production	high levels	low levels
Function	kill microbes (phagocytic)	build extracellular matrix, angiogenesis, neovascularization
Cancer	tumor resistant	tumor promoting, metastasis
Microglia	fail to clear amyloid plaques	
Energy production	aerobic glycolysis	oxidative phosphorylation
Parkinson's	high levels	low levels