

## List of Abbreviations

<i>Abbreviation</i>	<i>Full form</i>
AIM2	<i>Absent in melanoma 2</i>
ALS	<i>Amyotrophic lateral sclerosis</i>
AMP	<i>Adenosine monophosphate</i>
ANPs	<i>Amplifying progenitors cells</i>
AOM	<i>azoxymethane</i>
APP	<i>Amyloid precursor protein</i>
ASC	<i>Apoptosis associated speck like protein containing CARD domain</i>
BBB	<i>Blood Brain Barrier</i>
BHB	<i>Beta-hydroxybutyrate</i>
BHT	<i>Butylated hydroxyl toluene</i>
BMMs	<i>Bone marrow derived macrophages</i>
CAPs	<i>Cryopyrin associated periodic syndrome</i>
CARD	<i>Caspase recruitment domain</i>
CINCA	<i>Chronic infantile neurologic ,cutaneous and articular syndrome</i>
CJD	<i>Creutzfeldt- Jakob disease</i>
CLRs	<i>C-type lectin receptors</i>
CNS	<i>Central Nervous System</i>
COP1	<i>Caspase-1 dominant negative inhibitor</i>
COX-2	<i>Cyclooxygenase-2</i>
CRH	<i>Corticotropin releasing hormone</i>
CRID	<i>Cytokine release inhibitory drugs</i>
CSF	<i>Cerebrospinal fluid</i>
CUMS	<i>Chronic unpredictable mild stress</i>
Cyto-D	<i>Cytochalasin-D</i>
DAMPs	<i>Danger associated molecular patterns</i>
DED	<i>Death effector domain</i>
DNA	<i>Deoxyribonucleic Acid</i>
DSS	<i>Dextran sodium sulphate</i>
EAE	<i>Experimental autoimmune encephalomyelitis</i>
EGFR	<i>Epidermal Growth Factor Receptor</i>
FUS	<i>Fused in sarcoma</i>
GBM	<i>Glioblastoma multiforme</i>
G-CSF	<i>Granulocyte colony stimulating factor</i>
GM-CSF	<i>Granulocyte macrophage colony stimulating factor</i>
HIF-1 $\alpha$	<i>Hypoxia Inducible Factor 1 Alpha</i>
HIV	<i>Human immunodeficiency virus</i>
HMGB1	<i>High Mobility group box 1</i>
HO-1	<i>Hemeoxygenase 1</i>
HPA axis	<i>Hypothalamic-pituitary-adrenal axis</i>
HUVEC	<i>Human Umbilical Vein Endothelial</i>
ICAM-1	<i>Intercellular adhesion molecule-1</i>
IDE	<i>Insulin degrading enzyme</i>
IDO	<i>Indoleamine 2,3 dioxygenase</i>
IFN $\beta$	<i>Interferon beta</i>
IFN- $\gamma$	<i>Interferon-gamma</i>
Ig	<i>Immunoglobulin</i>
IKK $\gamma$	<i>Inhibitor of nuclear factor kappa-B kinase subunit gamma</i>
IL-17	<i>Interleukin-17</i>
IL-18	<i>Interleukin-18</i>
IL-1Ra	<i>Interleukin-1 receptor antagonist</i>

IL-1 $\beta$	Interleukin-1 beta
IL-6	Interleukin-6
IL-8	Interleukin-8
iPSC	<i>Induced pluripotent stem cell</i>
IRAF-1	Interleukin -1 receptor associated kinase-1
IRAK-1	Interleukin-1 receptor-associated kinase 1
IV	Intravenous
LPC	Lysophosphatidylcholine
LPS	Lipopolysaccharide
LRR	Leucine rich repeats
MAP1LC3B-II	Microtubule associated protein chain 3B-II
MAPK	Mitogen associated protein kinase
MCP-1	Monocyte chemoattractant protein-1
miRNA	<i>Micro RNA</i>
MNS	3,4-methylenedioxy-nitrostyrene
MOG	Myelin oligodendrocyte glycoprotein
MSU	Monosodium urate crystals
MTT	<i>3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide</i>
MWS	Muckle well syndrome
MyD88	Myeloid differentiation primary response 88
NF1	Neurofibromin 1
NF- $\kappa\beta$	Nuclear factor- kappa beta
NIK	Nuclear Factor $\kappa$ B-inducing Kinase
NLRs	Nucleotide binding domain leucine rich repeats containing protein
NOD	Nucleotide oligomerization domain
NOMID	Neonatal onset multisystem inflammatory disease
NRTIs	<i>Nucleoside reverse transcriptase inhibitors</i>
NSC	Neural stem-like cells
P2X7	purinergic receptor P2X
PAMPs	Pathogen associated molecular patterns
PDGF-BB	Platelet derived growth factor BB
PI	<i>Propidium Iodide</i>
PLY	Pneumolysin
PrP <sup>C</sup>	Prion protein cytoplasmic
PrP <sup>Sc</sup>	Prion protein scrapieform
PRRs	Pattern Recognition Receptors
PS1	<i>Presenlin-1</i>
PTEN	Phosphatase and tensin homolog
RAC-1	Ras related C3 botulinum toxin substrate 1
RAGE	Receptor of advanced glycation end product
RANTES	Regulated on Activation, Normal T Cell Expressed and Secreted
RLRs	Retinoic acid inducible gene-I- like receptors
ROS	Reactive oxygen species
SiO <sub>2</sub>	<i>Silicon dioxide</i>
SOCS1	Suppression of cytokine signaling-1
SOD-1	Superoxide dismutase
STAT	Signal transducer and activator of transcription
TBI	<i>Traumatic brain injury</i>
TCGA	The Cancer Genome Atlas
TDO	Tryptophan dioxygenase
TDP-43	Trans active response DNA binding protein
Th-17	T helper cells-17
TLR-4	Toll-Like Receptor 4
TMS1	<i>Target of methylation mediated signaling</i>
TNF- $\alpha$	Tumor necrosis factor-alpha
TNF- $\alpha$	Tumor necrosis factor -alpha

TRAF6	TNF receptor associated factor 6
TSST	Trier social stress test
VCAM-1	Vascular cell adhesion molecule-1
VEGF	Vascular endothelial growth factor
WAS	Water avoidance stress
WHO	World Health Organization
XIAP	<i>X-linked inhibitor of apoptosis</i>
ICC	<i>Immunocytochemistry</i>
IHC	<i>Immunohistochemistry</i>
MS	<i>Multiple sclerosis</i>
AD	<i>Alzheimer's disease</i>
BIR	Baculovirus Inhibitory Repeat
AD	Acidic Domain
LRR	Leucine Rich Repeats
NBD	Nucleotide Binding Domain
PYD	Pyrin Domain

