

## List of Abbreviations

<i>Abbreviation</i>	<i>Full form</i>
ATP	Adenosine Triphosphahate
ASC	Apoptosis-associated speck-like protein containing CARD
AIM2	Absent in Melanoma 2
AOM	Azoxymethane
ATN1	Atrophia-1
GBM	Glioblastoma Multiforme
HGG	High grade glioma
LGG	Low grade glioma
BB	Blocking Buffer
Bax	Bcl-2-associated X Protein
BCL10	B-cell CLL/Lymphoma 10
BCL2L1	BCL2 like 1
BSA	Bovine Serum Albumin
COX	Cyclooxygenase
CD	Cluster of Differentiation
Caspase	Cysteine-Dependent Aspartate-Directed Proteases
CARD	Caspase activation and recruitment domain
CAC	Colitis - Associated Cancer
CCL	Chemokine (C-C motif) Ligand
CXCL	Chemokine (C-X-C motif) Ligand
CNS	Central Nervous System
CAPS	Cryopyrin-associated periodic syndromes
CINCA	Chronic Infantile Neurological, Cutaneous, and Articular Syndrome
Cyto-D	Cytochalasin-D
DAPI	Diamidino-2-phenylindole
DMEM	Dulbecco's Modified Eagle's Medium
DMSO	Dimethyl Sulphoxide
DNA	Deoxyribonucleic Acid
DAMPs	Damage-Associated Molecular Patterns
DSS	Dextran Sulfate Sodium
EDTA	Ethylene Diamine Tetra Acetate
ER	Endoplasmic Reticulum
ECM	Extra Cellular Matrix
EGFR	Epidermal Growth Factor Receptor
FBS	Fetal Bovine Serum
FITC	Fluorescein Isothiocyanate
FCAS	Familial Cold Autoinflammatory Syndrome
GFP	Green Fluorescence Protein
G-CSF	Granulocyte - Colony Stimulating Factor
GSEA	Gene Set Enrichment Analysis
GO	Gene Ontology
Gly	Glyburide
H <sub>2</sub> O <sub>2</sub>	Hydrogen Peroxide
IRAK1	Interleukin-1 Receptor-Associated Kinase 1
IL	Interleukin
IFN	Interferon
kb	Kilo Base Pairs
kDa	Kilo Dalton
KEGG	Kyoto Encyclopedia of Genes and Genomes
LRRs	Leucine-Rich Repeats
LPS	Lipopolysaccharide

MDP	Muramyl dipeptide
MgCl <sub>2</sub>	Magnesium Chloride
MSR1	Macrophage Scavenger Receptor 1
mRNA	Messenger Ribonucleic Acid
MTT	3-(4, 5-dimethylthiazol-2-yl)-2, 5-diphenyltetrazoliumbromide
MAPK	Mitogen - Activated Protein Kinase
MIP	Macrophage Inflammatory Protein
mTOR	Mechanistic Target of Rapamycin
MWS	Muckle - Wells Syndrome
MAVS	Mitochondrial Antiviral-Signaling Protein
NaCl	Sodium Chloride
NBD	Nucleotide Binding Domain
NAC	N-Acetyl-L-cysteine
NOD	Nucleotide-Binding Oligomerization Domain
NAIP	Neuronal Apoptosis Inhibitory Protein
NLRP	Nucleotide-Binding Oligomerization Domain, Leucine Rich Repeat and Pyrin Domain containing Protein
NLRC	NLR Family CARD Domain-Containing Protein
NOMID	Neonatal Onset Multisystem Inflammatory Disease
NLRX1	Nucleotide-Binding Oligomerization Domain, Leucine Rich Repeat Containing X1
PRR	Pattern Recognition Receptor
PBS	Phosphate Buffered Saline
PAMPs	Pathogen-Associated Molecular Patterns
PFA	Paraformaldehyde
PCR	Polymerase Chain Reaction
PSEN1	Presenilin 1
PYCARD	PYD and CARD Domain Containing Protein
PYD	PYRIN Domain
PKC	Protein Kinase C
PARP1	Poly [ADP-ribose] Polymerase 1
P	Probability value, Level of Significance
RIP2	Regulating Receptor Interacting Protein-2
RNA	Ribonucleic Acid
RPM	Rounds/Revolutions Per Minute
RT-PCR	Reverse Transcriptase Polymerase Chain Reaction
STAT	Signal transducer and activator of transcription
SE	Standard Error
SD	Standard Deviation
siRNA	Small Interfering Ribonucleic Acid
SOD1	Superoxide Dismutase 1
SV-40	Simian Virus 40
TBST	Tris- buffered Saline with Tween-20
T <sub>3</sub> SS	Type Three Secretion System
T <sub>H</sub>	T Helper cells
TNF-α	Tumor Necrosis Factor – alpha
TRAF3	TNF Receptor Associated Factor 3
TME	Tumor microenvironment
TLR	TOLL - Like Receptor
TCGA	The Cancer Genome Atlas
TP53	Tumor Suppressor Phosphoprotein 53
UT	Untreated
WHO	World Health Organization
WT	Wild Type
YVAD	Ac-YVAD-cmk