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## Macroglial diversity and its effect on myelination

Werkman, Inge

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## Abbreviations



ABCA1	ATP-binding cassette transporters A1	GFAP	glial fibrillary acidic protein
ABCG1	ATP-binding cassette transporters G1	gli	glibenclamide
ACM	astrocyte conditioned medium	GM	grey matter
ASTR	astrocyte	GO	gene ontology
AUC	area under the curve	Gpr17	G-protein coupled receptor 17
BBB	blood-brain barrier	h	human
BCAS1	breast carcinoma amplified sequence 1	HBSS	Hank's balanced salt solution
BDNF	brain-derived neurotrophic factor	HGF	hepatocyte growth factor
BME	2-mercaptoethanol	iASTRs	induced pluripotent stem cell-derived astrocyte
BSA	bovine serum albumin	IFN $\gamma$	interferon gamma
CNP	cyclic-nucleotide 3'-phosphodiesterase	IL1 $\beta$	interleukin-1 beta
CNS	central nervous system	imOLG	immature oligodendrocyte
CNTF	ciliary neurotrophic factor	ins	insoluble
COP	committed oligodendrocyte progenitor cell	kd	knockdown
CPM	count per million	LDH	lactate dehydrogenase
cr	chronic	LogFC	log fold change
CSPG4	chondroitin sulphate proteoglycan 4	LPS	lipopolysaccharide
ctrl	control	LXR	liver-X-receptor
Cx43	connexin 43	m	murine
DOC	sodium deoxycholate	MBP	myelin basic protein
DPL	days post lysolecithin	MCH-II	major histocompatibility complex class II
EAE	autoimmune encephalomyelitis	MFOL	myelin forming oligodendrocyte
ECM	extracellular matrix	MHC-I	major histocompatibility complex class I
endo	endothelial cells	micro	microglia
ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6	MMP	metalloproteinase
FBS	fetal bovine serum	MOL	mature oligodendrocyte
FD	fold difference	MS	multiple sclerosis
FGF2	basic fibroblast growth factor	MTT	3-(4,5-dimethyl-2-thiazolyl)-2,5-diphenyl-2H-tetrazolium bromide
fig.	figure	NAGM	normal appearing grey matter
Fn	fibronectin	NAWM	normal appearing white matter
FTY720	fingolimod	NCM	non-conditioned medium

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NF	neurofilament
NFOL	newly-formed oligodendrocyte
NG2	neuron-gial antigen 2
ns	not significant
OLG	oligodendrocyte
OLIG2	oligodendrocyte transcription factor
OPC	oligodendrocyte progenitor
PBS	phosphate-buffered saline
PCA	principal component analysis
PDGF $\alpha$	platelet-derived growth factor receptor alpha
PFA	paraformaldehyde
PLL	poly-L-lysine
PLP	proteolipid protein
pMN	motor neuron progenitor
Poly(A:U)	polyadenylic-polyuridylic acid
Poly(I:C)	polyinosinic:polycytidylic acid
PPMS	primary progressive multiple sclerosis
PVDF	polyvinylidene fluoride
RRMS	relapsing-remitting multiple sclerosis
RT	room temperature
S <sub>1</sub> P	sphingosine-1-phosphate
S <sub>1</sub> PR <sub>3</sub>	sphingosine-1-phosphate receptor 3
sc	spinal cord
SCAP	SREBP-cleavage-activating protein
scr	scrambled
scRNAseq	single cell RNA sequencing
SEM	standard error of the mean
Sema3F	semaphorin 3F
Shh	sonic hedgehog
snRNAseq	single nucleus RNA sequencing
sol	soluble

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SOX10	SRY-box transcription factor 10
SPMS	secondary progressive multiple sclerosis
SQS	squalene synthase
SREBP	sterol regulatory element-binding protein
suppl.	supplementary
T <sub>4</sub>	thyroxine
TG2	transglutaminase 2
TLR	Toll-like receptor
TNF $\alpha$	tumor necrosis factor alpha
WGCNA	weighted gene co-expression network analysis
WM	white matter