Macroglial diversity and its effect on myelination

Werkman, Inge

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Abbreviations

ABCA1	ATP-binding cassette transporters A1
ABCG1	ATP-binding cassette transporters G1
ACM	astrocyte conditioned medium
ASTR	astrocyte
AUC	area under the curve
BBB	blood-brain barrier
BCAS1	breast carcinoma amplified sequence 1
BDNF	brain-derived neurotrophic factor
BME	2-mercaptoethanol
BSA	bovine serum albumin
CNP	cyclic-nucleotide 3'-phosphodiesterase
CNS	central nervous system
CNTF	ciliary neurotrophic factor
COP	committed oligodendrocyte progenitor cell
CPM	count per million
cr	chronic
CSPG4	chondroitin sulphate proteoglycan 4
ctrl	control
Cx43	connexin 43
DOC	sodium deoxycholate
DPL	days post lysolecithin
EAE	autoimmune encephalomyelitis
ECM	extracellular matrix
endo	endothelial cells
ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6
FBS	fetal bovine serum
FD	fold difference
FGF2	basic fibroblast growth factor
fig.	figure
Fn	fibronectin
FTY720	fingolimod
GFAP	glial fibrillary acidic protein
gli	glibenclamide
GM	grey matter
GO	gene ontology
Gpr17	G-protein coupled receptor 17
h	human
HBSS	Hank's balanced salt solution
HGF	hepatocyte growth factor
iASTRs	induced pluripotent stem cell-derived astrocyte
IFNγ	interferon gamma
IL1β	interleukin-1 beta
imOLG	immature oligodendrocyte
ins	insoluble
kd	knockdown
LDH	lactate dehydrogenase
LogFC	log fold change
LPS	lipopolysaccharide
LXR	liver-X-receptor
m	murine
MBP	myelin basic protein
MCH-II	major histocompatibility complex class II
MFOL	myelin forming oligodendrocyte
MHC-I	major histocompatibility complex class I
micro	microglia
MMP	metalloproteinase
MOL	mature oligodendrocyte
MS	multiple sclerosis
MTT	3-(4,5-dimethyl-2-thiazolyl)-2,5-diphenyl-2H-tetrazolium bromide
NAGM	normal appearing grey matter
NAWM	normal appearing white matter
NCM	non-conditioned medium

NF	neurofilament
NFOL	newly-formed oligodendrocyte
NG2	neuron-glial antigen 2
ns	not significant
OLG	oligodendrocyte
OLIG2	oligodendrocyte transcription factor
OPC	oligodendrocyte progenitor
PBS	phosphate-buffered saline
PCA	principal component analysis
PDGFα	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
S1P	sphingosine-1-phosphate
S1PR3	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
SOX10	SRY-box transcription factor 10
SPMS	secondary progressive multiple sclerosis
SQS	squalene synthase
SREBP	sterol regulatory element-binding protein
suppl.	supplementary
T4	thyroxine
TG2	transglutaminase 2
TLR	Toll-like receptor
TNFα	tumor necrosis factor alpha
WGCNA	weighted gene co-expression network analysis
WM	white matter