

Supplemental Information

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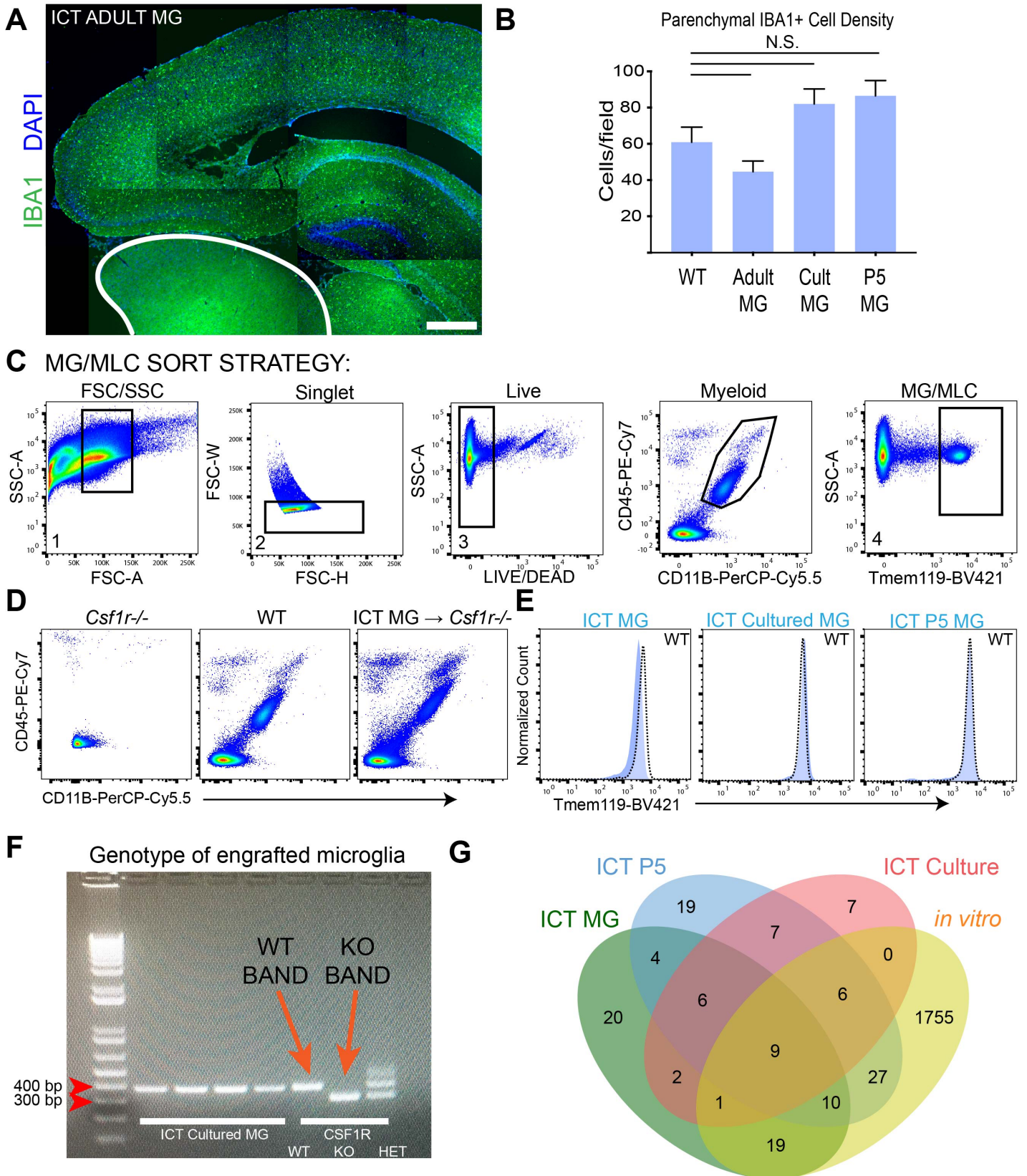
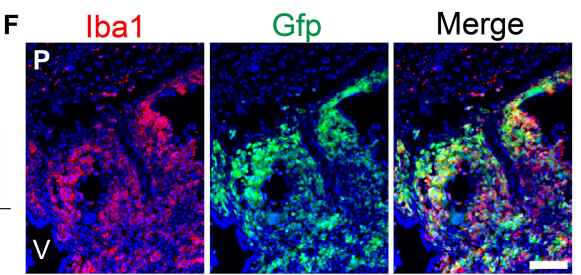
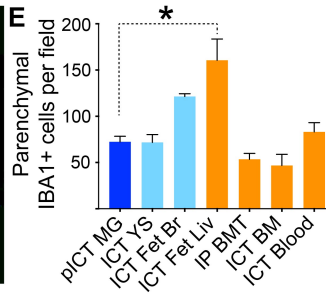
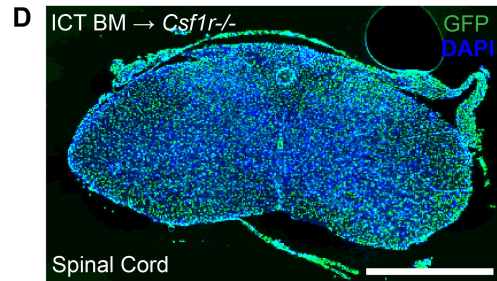
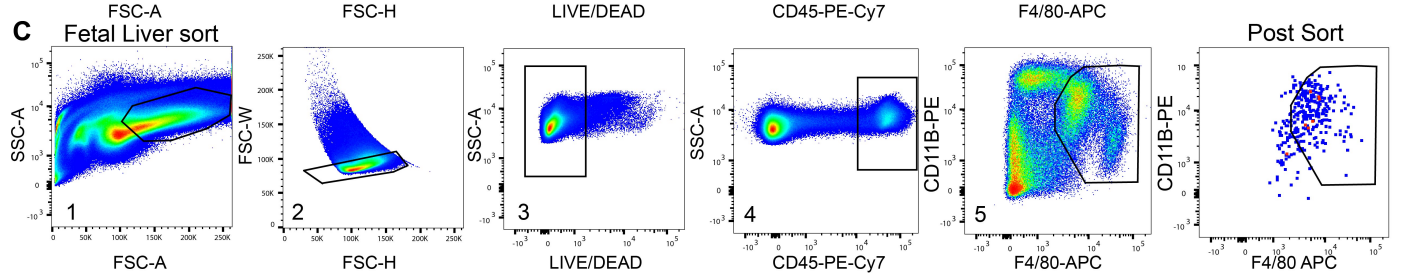
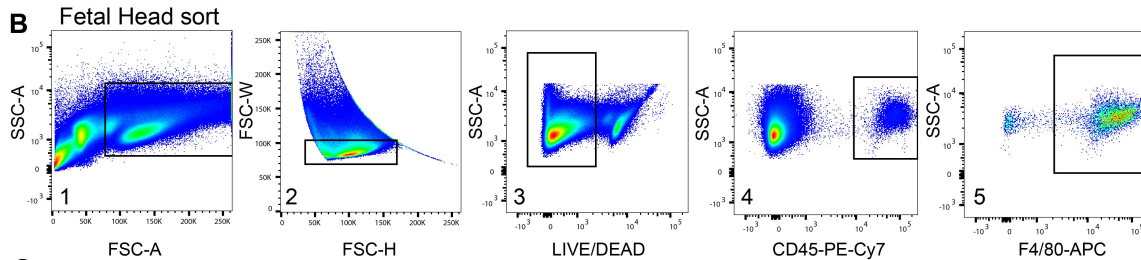
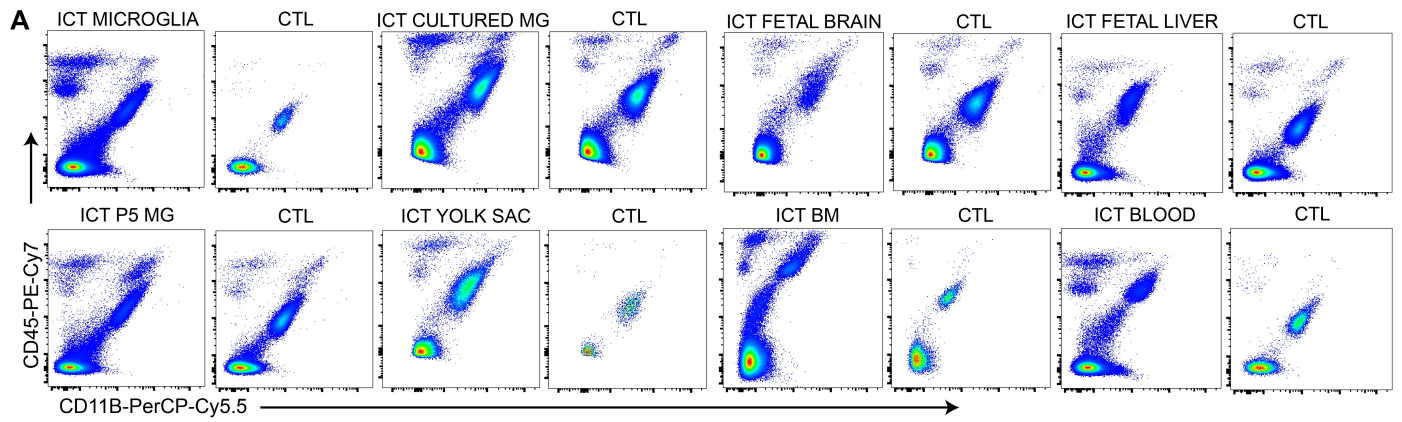


Figure S1, related to Figure 1. Transplantation, sorting and recovery of donor derived WT microglia. A) IBA1 immunostained section of *Csf1r*^{-/-} brain transplanted with adult microglia showing typical widespread engraftment with some unpopulated territories, encircled by white line. Scale bar = 500µm. B) In areas of cell engraftment, transplanted microglia in *Csf1r*^{-/-} hosts reach same density as microglia in a WT brain, $p > 0.05$ adjusted for multiple comparisons to WT by Student's t-test, N.S. = not significant. C) Sort strategy for MLC isolation showing FSC/SSC, single cell, live, CD45/11B, and TMEM119 gates. MLCs were sorted based on TMEM119 immunoreactivity. Numbers in lower left of plots shows gate hierarchy (1>2>3>4). Cells were sorted from gate 4. D) Transplantation into *Csf1r*^{-/-} hosts, which lack microglia (left), leads to engraftment of CD45⁺CD11B⁺ cells (right) with similar profile to untransplanted microglia in a *Csf1r*^{+/+} (WT) control (middle) E) Transplanted microglia (blue distribution) express Tmem119 at normal levels (black dotted) by flow cytometric analysis. F) Genotyping gel demonstrating that transplanted, then sorted microglia ("ICT Cultured MG") are WT for the *Csf1r* gene. G) Venn diagram showing differentially expressed genes between transplanted and WT microglia (2-fold cutoff, FPKM >20, FDR<0.05). ICT= intracerebral transplantation, MG=microglia, MLC = microglia-like cell, WT= *Csf1r*^{+/+}, Cult = Cultured, P5 = postnatal day 5.

Figure S2, related to figure 2



G

ICT Type	Sample	Recovery (vs WT)	% Tmem119+ of Yield	Parenchymal Iba1+	RIN > 7
Microglia	1	4.8	100	-	-
	2	12.2	100	-	-
	3	24.8	100	-	-
	4	3.6	100	-	-
	5	0.0	-	-	-
Cultured MG	1	15.6	100	-	-
	2	16.3	100	-	-
	3	28.2	100	-	-
	4	3.8	100	-	-
	5	10.0	100	-	-
	6	8.3	100	-	-
	7	3.6	100	-	-
	8	2.8	100	-	-
	9	27.6	100	-	-
	10	10.4	100	-	-
	11	94.4	100	-	-
P5 MG	1	20.7	100	-	-
	2	39.1	100	-	-
	3	33.3	100	-	-
	4	51.9	100	-	-
	5	23.0	100	-	-
	6	-	100	-	-
	7	-	100	-	-

ICT Type	Sample	Recovery (vs WT)	% Tmem119+ of Yield	Parenchymal Iba1+	RIN > 7
Yolk Sac	1	4.8	100	-	-
	2	12.2	100	-	-
	3	32.5	100	-	-
	4	44.3	100	-	-
	5	18.7	100	-	-
	6	-	100	-	-
Fetal Brain	1	10.4	100	-	-
	2	9.3	100	-	-
	3	11.0	100	-	-
	4	NA	-	-	-
	5	NA	-	-	-
Fetal Liver	1	31.4	100	-	-
	2	35.6	100	-	-
	3	11.7	100	-	-
	4	35.1	100	-	-
	5	29.5	100	-	-
	6	2.9	100	-	-
	7	1.3	100	-	-
	8	74.1	100	-	-
	9	69.1	100	-	-
	10	-	100	-	-
	11	-	100	-	-

ICT Type	Sample	Recovery (vs WT)	% Tmem119+ of Yield	Parenchymal Iba1+	RIN > 7
BM	1	11.3	100	-	-
	2	9.1	100	-	-
	3	11.0	100	-	-
	4	8.2	100	-	-
	5	10.1	100	-	-
	6	-	100	-	-
	7	-	100	-	-
	8	-	100	-	-
	9	-	100	-	-
	14	-	100	-	-
Blood	1	1.9	100	-	-
	2	13.8	100	-	-
	3	15.2	100	-	-
	4	12.2	100	-	-
	5	4.4	100	-	-
	6	2.7	100	-	-
	7	3.6	100	-	-
	8	8.3	100	-	-
	9	2.8	100	-	-
	10	-	100	-	-
	11	-	100	-	-
	12	-	100	-	-
	13	-	100	-	-
	14	-	100	-	-

Figure S2, related to Figure 2. MLC transplantation system. A) Example FACS plots showing CD45/11B staining profile of MLCs across all donor types, with WT littermate control (CTL) to the right for comparison. B) Sort strategy for fetal head donor cell isolation showing FSC/SSC, single cell, live, CD45, and F4/80 gates. C) Sort strategy for fetal liver donor cell isolation showing FSC/SSC, single cell, live, CD45, and CD11B/F4/80 gates, and post-sort purity (large dots shown due to small number of cells collected for purity check). For B-C, numbers in lower left corner of plots shows gate hierarchy (1>2>3>4>5). Cells were sorted from gate 5. D) Lumbar spinal cord section from *Csf1r*^{-/-} mouse transplanted by ICT at P3 with GFP-expressing WT bone marrow and harvested 14 days later. Scale bar = 500µm. E) MG and MLC density by Iba1 immunostaining across cortical and subcortical regions of engraftment normalized to area, $p < 0.0001$ for effect of donor type on density by ANOVA, $*p = 0.0001$ for pairwise difference between fetal liver and microglia, adjusted for multiple comparisons, $p > 0.05$ for all other comparisons between MLCs and ICT MG control. F) Pertaining to Figure 2B: IBA1 staining (red) of ventricular donor cells from GFP+ BM, showing that nearly all cells attach to the choroid plexus and are IBA1+. Scale bar = 100µm. G) Table showing relative engraftment levels for ICT experiments (expressed as % recovery of TMEM119+ cells in ICT compared to WT littermate), and percent of parenchymal IBA1+ cells that were also TMEM119+ for histological sections of same samples. Asterisks indicate samples with adequate RNA yield and RNA Integrity Number (RIN) (> 7) for RNAseq. YS = yolk sac, Fet Br = fetal brain, Fet Liv = fetal liver, IP = intraperitoneal, BMT = bone marrow transplant, BM = bone marrow, P = brain parenchyma, V = ventricular space.

Figure S3, related to Figure 3. Peripheral bone marrow transplantation leads to CCR2-independent engraftment of donor-derived cells in multiple tissues, and results in partial rescue of the *Csf1r*^{-/-} phenotype. A) *Csf1r* genotyping gel for whole brain and TMEM119 sorted microglia and MLCs. Green arrows indicate appearance of WT band in *Csf1r*^{-/-} (KO) whole brain samples following WT donor cell engraftment. WT band has expected migration at 385 BP, KO band at 300 BP. B) Liver section from *Csf1r*^{-/-} mouse following IP transplantation of GFP-labeled BM, scale bar = 50µm. C) Bar graph showing intensity of IgG and albumin (Alb) staining for *Csf1r*^{-/-} (KO, n=2) compared to littermate control (CTL, n=3) animals at age P21, expressed as mean fluorescence intensity ratio between stain and control (no antibody for IgG, secondary only for albumin). D) Representative image of ramified IBA1⁺ (green) CCR2^{-/-} (red) cells showing relatively low (arrowheads) and high RFP expressing cells engrafted in the *Csf1r*^{-/-} parenchyma. Scale bar = 25µm. E) Representative image of ramified IBA1⁺ (green) cells stained for RFP (red), demonstrating typical abundance of RFP⁺ cells in a periventricular distribution. V = ventricle. Scale bar = 100µm. F) Pertaining to Figure 3F: purification strategy for BM monocyte transplantation, showing FSC/SSC, single cell gates, followed by c-kit/CD45 and Ly6c/lineage plots before bead enrichment, before FACS, and post-sort. The lineage cocktail included antibodies against CD3, B220, NK1.1, Il7Ra, SiglecF, and GR1. Numbers in lower left corner of plots show gate hierarchy (1>2>3>4). Cells were sorted from gate 4.

Figure S4, related to Figure 4. Transcriptomic profiling of highly pure myeloid cells reveals similarities and differences between microglia and MLCs in the CNS environment. A) Sorted cell purity heatmap showing expression of brain cell-type specific markers. B) Principal component analysis (PCA) coded by library prep batch (colors) and sequencing run lane (symbols). Ellipses demarcate 95% confidence intervals for samples grouped by batch. C) Correlation heatmap depicting Spearman coefficients between microglia, MLCs from all sources, and myeloid cell types from published datasets. Table identifies source of datasets. D) Scatterplot showing 2 largest principle components for diverse myeloid cells from current and other studies (PCA performed on 2500 most variant genes). Table identifies source of datasets. ICT = Intracerebral transplant, MG = microglia, fetal br = fetal brain donor tissue, fetal liv = fetal liver donor tissue, BM = bone marrow, MG (Cult CTL) = WT microglia purified in parallel to MGs used for culture ICTs, BMT = MLCs derived from peripheral bone marrow transplantation.

Figure S5, related to Figures 4,5

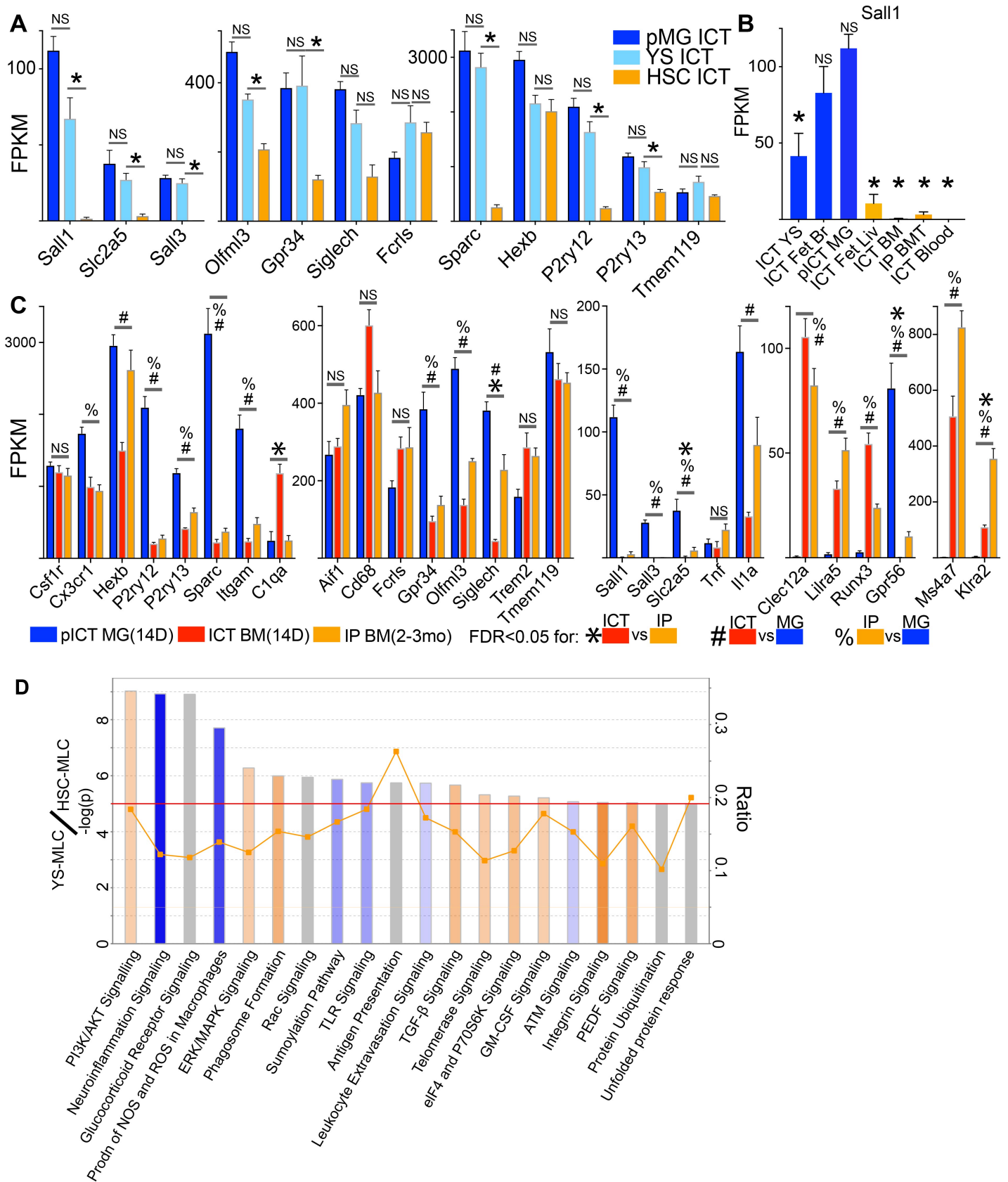
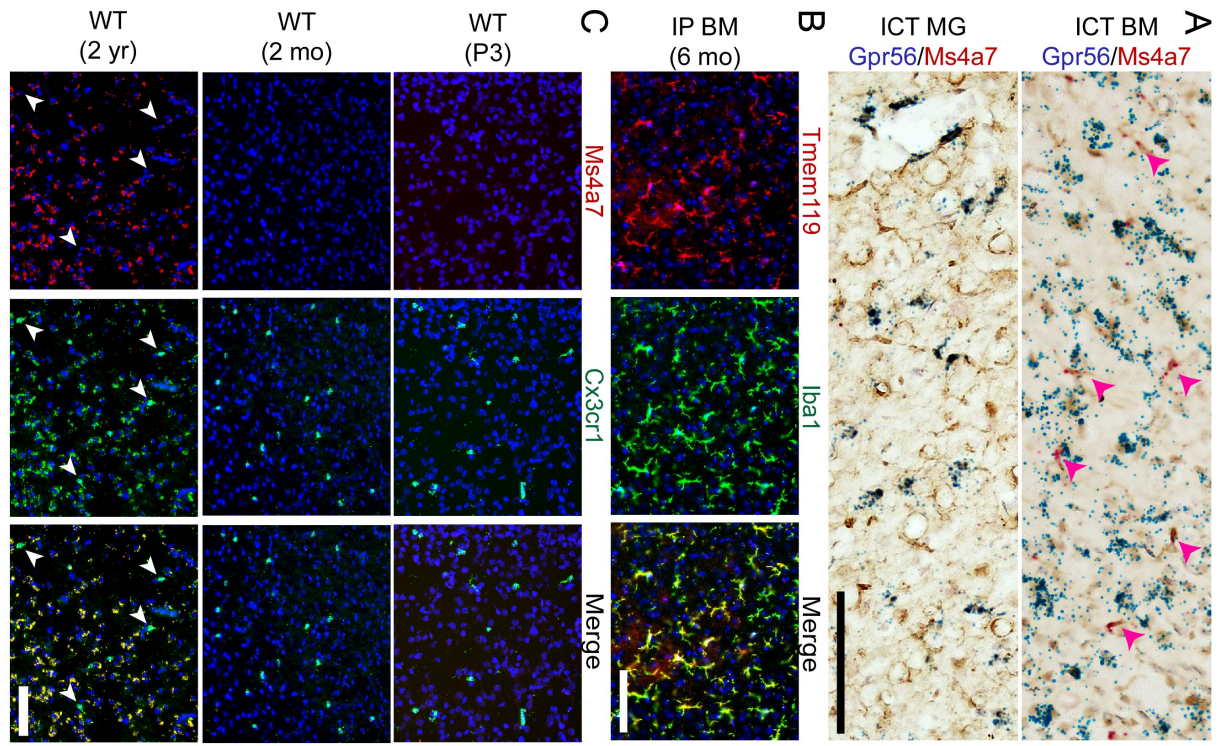


Figure S5, related to Figures 4,5. Ontogeny but not prolonged CNS residence results in faithful expression of microglial genes. A) Signature gene expression in microglia, HSC- and YS-MLCs. * = FDR < 0.05. Error bars depict SEM. B) *Sall1* expression (in FPKM) by microglia and MLCs of YS (blue) and HSC (orange) origin. * = FDR<0.05, NS = not significant. Error bars represent SEM. C) Relative expression of myeloid genes in ICT microglia (blue), ICT BM (red, 14 day brain residence), and IP BMT (orange, 2-3 month brain residence). NS indicates no statistical difference between any pairwise comparison. *, FDR < 0.05 comparing ICT BM to IP BMT. #, FDR<0.05 comparing ICT BM to pICT MG. %, FDR<0.05 comparing IP BMT to pICT MG. Error bars depict SEM. D) Ingenuity Pathway Analysis® comparing YS- to HSC-MLCs for pathways with $-\log(p) > 5$ cutoff (red line). Orange line shows fraction of genes in pathway that are differentially expressed. Orange bars show positive association of pathway with YS-MLCs, blue bars with HSC-MLCs, gray bars represent indeterminate direction of association.

Figure S6, related to Figure 6



BM ICT → Cx3Cr1-CreER^{+/-}; Csf1r fl/fl

Adultl ICT, Harvest t = 2 mo

Neonatal ICT, Harvest t = 2 mo

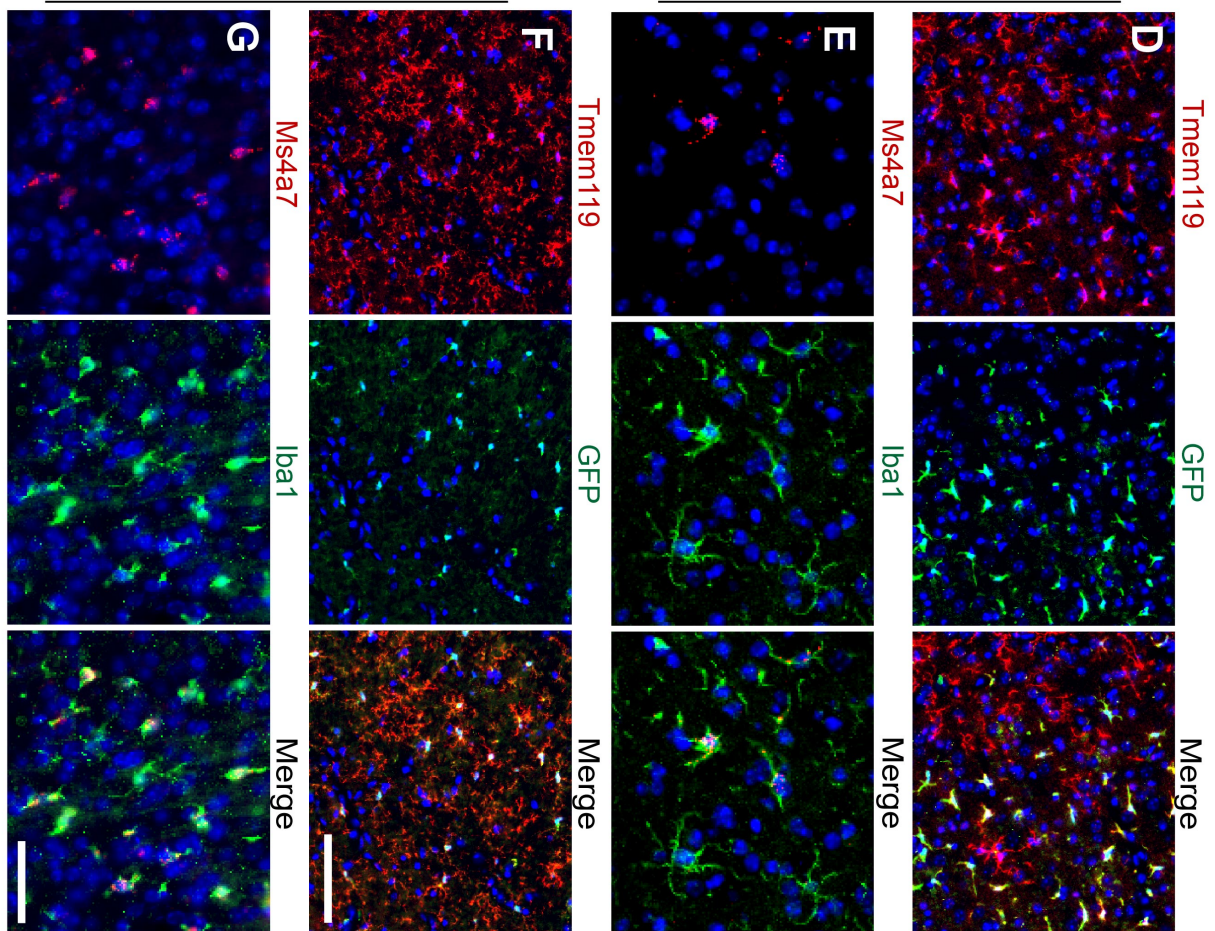


Figure S6, related to Figure 6. HSC-MLCs persist in the brain for long periods, and show distinct expression of origin markers in multiple transplantation systems. (A) RNA *In situ* hybridization for *Gpr56* (blue) and *Ms4a7* (red) in BM-MLCs, ICT MGs. Scale bar = 100 μ m, arrowheads highlight *Ms4a7*⁺ cells. (B) Immunostaining shows persistent residence and expression of TMEM119 (red) and IBA1 (green) by MLCs 6 months after transplantation. (C) RNA *In situ* hybridization for *Ms4a7* (red) and *Cx3cr1* (green) shows absence of *Ms4a7*⁺ cells in the brain parenchyma of WT animals at 3 days, 2 months, and 2 years. Arrowheads depict *Cx3cr1*⁺/*Ms4a7*⁻ macrophages in 2 year-old animals, to distinguish from vast autofluorescence. Scale bar = 100 μ m. (D,F) TMEM119 (red) and donor cell marker (green) expression 2 months after BM ICT into tamoxifen-injected *Cx3cr1*-CreER;*Csf1r* fl/fl neonates (D) or adults (F), showing that donor cells intermix with host, ramify and express TMEM119. (E,G) RNA *In situ* hybridization and protein staining of the same tissue for *Ms4a7* (red) and IBA1 protein (green) shows *Ms4a7*⁺ macrophages in the same pattern as donor cells from nearby immunostained sections, intermixed with *Ms4a7*⁻ cells 2 months after neonatal (E) or adult (G) transplantation. Scale bars = 100 μ m (D,F), 50 μ m (E,G)

Figure S7, related to figure 7

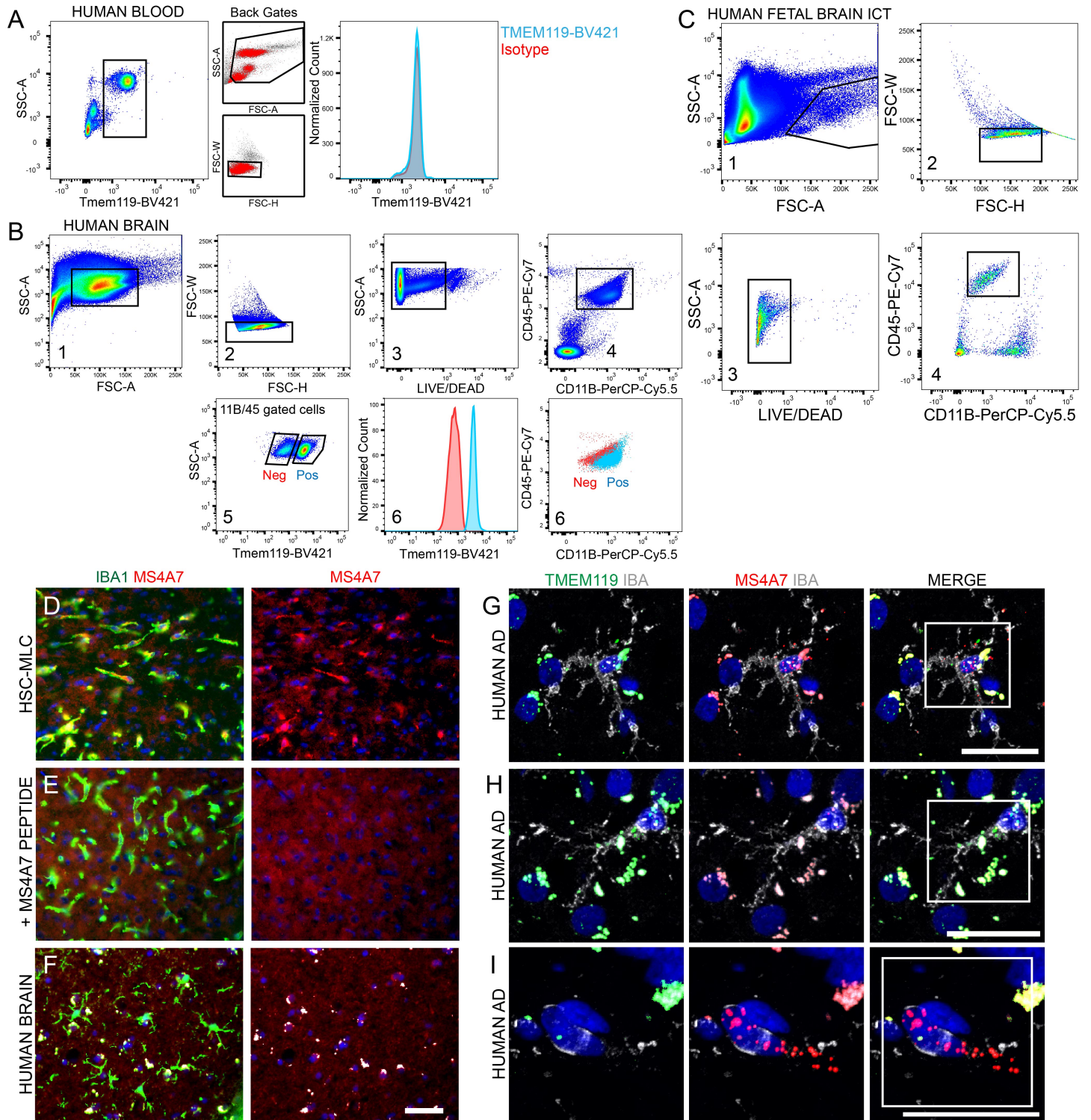


Figure S7, related to Figure 7. Validation of human TMEM119 monoclonal antibody and MS4A7 antibody specificity. (A) Mouse anti-hTMEM119 monoclonal clone A16075D does not stain human blood (blue) above isotype control (red) but (B) does stain most CD45/11B double positive cells from the brain, resolving a mixed double positive population into two otherwise inseparable groups. Numbers in lower left corner of plots shows gate hierarchy (1>2>3>4>5>6). (C) Gating strategy related to Figure 7E, numbers in lower left corner of plots shows gate hierarchy (1>2>3>4). Histogram in main Figure depicts cells in gate 4 from TMEM119 stained vs isotype control stain. D) Engrafted human blood cells immunostained with antibodies against IBA1 (green) and MS4A7 (red). E) Engrafted human blood cells stained with antibodies against IBA1 (green) and MS4A7 pre-incubated with molar excess of immunizing peptide (red) F) Human surgical sample stained with antibodies against IBA1 and MS4A7, and overlaid with signal from unstained channel to identify tissue autofluorescence (light yellow in left panel, white in right panel). Scale bar = 50 μ m. (G-I) Full images of cells shown in Figures 7I-7K, with area of cropping designated by a white square. Scale bars = 25 μ m.

Table 1. Differential gene expression in ICT vs WT microglia, related to Figure 1.

Gene	WT MG	pICTMG	log2 (WT/ICT)	FDR	Gene	WT MG	pICTMG	log2 (WT/ICT)	FDR
<i>Hlf</i>	30.0	2.0	3.93	0.000	<i>Gm14023</i>	18.9	55.2	-1.25	0.029
<i>Gpr165</i>	389.1	32.3	3.69	0.000	<i>Icosl</i>	18.1	46.1	-1.26	0.020
<i>Serpine2</i>	91.1	10.9	3.16	0.000	<i>ApoE</i>	236.5	590.0	-1.26	0.041
<i>Khdrbs3</i>	33.6	5.0	2.49	0.000	<i>D10Wsu52e</i>	14.8	39.6	-1.29	0.008
<i>Casc4</i>	43.1	9.1	2.39	0.000	<i>Rnf150</i>	9.4	23.9	-1.29	0.001
<i>Rab6b</i>	32.3	7.3	2.21	0.000	<i>Cd84</i>	62.0	162.1	-1.32	0.001
<i>Snx9</i>	25.7	16.8	2.10	0.001	<i>Rgs1</i>	172.5	474.6	-1.33	0.002
<i>Nav2</i>	28.5	8.0	1.88	0.000	<i>Slc17a5</i>	11.8	30.1	-1.34	0.041
<i>F9</i>	47.9	14.1	1.87	0.002	<i>Man2a1</i>	10.2	25.8	-1.37	0.000
<i>Lst1</i>	45.4	19.5	1.82	0.001	<i>Hmox1</i>	8.5	20.8	-1.38	0.004
<i>Ccl9</i>	93.4	29.5	1.78	0.000	<i>Myc</i>	12.6	35.1	-1.39	0.010
<i>Ccl6</i>	44.9	13.4	1.77	0.007	<i>Csf2ra</i>	41.2	117.6	-1.45	0.001
<i>Tspan13</i>	69.6	21.1	1.77	0.000	<i>Tank</i>	9.5	20.7	-1.46	0.006
<i>Csmd3</i>	41.9	13.0	1.73	0.001	<i>Ifi30</i>	29.6	89.3	-1.47	0.001
<i>Ngn</i>	25.9	8.0	1.68	0.001	<i>Syt6</i>	13.2	36.6	-1.49	0.001
<i>Hnmt</i>	31.7	10.1	1.67	0.004	<i>Osm</i>	6.6	21.6	-1.53	0.017
<i>Tspan7</i>	76.8	27.4	1.57	0.000	<i>Neat1</i>	11.8	35.9	-1.54	0.031
<i>Fam102b</i>	139.1	50.6	1.50	0.000	<i>3200002M19Rik</i>	14.9	54.0	-1.55	0.004
<i>D0H4S114</i>	53.5	21.9	1.46	0.003	<i>Lilrb4</i>	4.7	27.1	-1.55	0.001
<i>Wrb</i>	25.3	9.9	1.43	0.025	<i>Cd52</i>	17.9	54.9	-1.56	0.030
<i>Znrf1</i>	37.2	13.4	1.40	0.007	<i>Lrrc3</i>	56.4	178.5	-1.57	0.000
<i>Ets1</i>	47.2	19.7	1.32	0.000	<i>C3ar1</i>	42.8	134.0	-1.57	0.000
<i>Ccr5</i>	674.4	287.3	1.30	0.000	<i>Tlr2</i>	8.1	24.7	-1.61	0.001
<i>Gprasp1</i>	26.7	11.8	1.28	0.001	<i>Smc4</i>	10.5	34.7	-1.70	0.011
<i>Cst3</i>	20034.9	8776.6	1.28	0.020	<i>Ms4a6b</i>	20.1	62.7	-1.77	0.000
<i>Jam2</i>	67.9	28.8	1.27	0.001	<i>C030034L19Rik</i>	9.5	38.1	-1.79	0.000
<i>Zbtb20</i>	25.3	12.1	1.26	0.045	<i>H60b</i>	2.9	20.4	-1.80	0.000
<i>Tuba1a</i>	73.8	44.3	1.23	0.003	<i>Ccl2</i>	5.6	23.2	-1.88	0.001
<i>Zfp691</i>	58.7	26.9	1.21	0.003	<i>Ccl2</i>	31.5	182.9	-1.90	0.001
<i>Basp1</i>	162.0	76.4	1.19	0.002	<i>Gpr160</i>	6.7	27.4	-1.94	0.001
<i>Prkaca</i>	40.3	19.5	1.17	0.005	<i>Cdkn1a</i>	18.0	74.4	-1.96	0.007
<i>0610040J01Rik</i>	40.3	19.2	1.15	0.006	<i>Fmn1</i>	6.1	25.6	-2.02	0.000
<i>Idua</i>	24.6	12.6	1.13	0.045	<i>Dab2</i>	7.3	35.0	-2.09	0.000
<i>Gpr155</i>	153.7	74.8	1.13	0.018	<i>Ccr1</i>	13.0	63.1	-2.17	0.000
<i>Cdk5r1</i>	20.6	10.7	1.10	0.030	<i>Gm16907</i>	3.8	22.7	-2.24	0.000
<i>Sema4b</i>	29.2	15.3	1.06	0.010	<i>Ccl12</i>	38.8	254.6	-2.47	0.000
<i>Fscn1</i>	109.4	56.2	1.04	0.023	<i>Ms4a6c</i>	5.9	30.7	-2.47	0.000
<i>Crybb1</i>	113.0	51.1	1.04	0.002	<i>H2-DMb1</i>	3.8	23.5	-2.48	0.000
<i>Tppp</i>	24.4	12.7	1.02	0.007	<i>Pvt1</i>	3.3	21.3	-2.58	0.000
<i>1110004F10Rik</i>	40.2	20.8	1.01	0.035	<i>Myo5a</i>	4.7	29.3	-2.60	0.000
<i>Bcl9l</i>	36.6	19.1	1.00	0.012	<i>Ctla2b</i>	5.3	33.2	-2.62	0.000
<i>Stab1</i>	16.2	34.7	-1.00	0.044	<i>Ctse</i>	2.9	28.4	-3.14	0.000
<i>P2rx4</i>	12.3	22.5	-1.03	0.032	<i>Lyz2</i>	22.9	230.4	-3.26	0.000
<i>Nfkbiz</i>	47.3	117.4	-1.12	0.007	<i>Cd34</i>	6.0	63.4	-3.32	0.000
<i>Vps13c</i>	11.6	27.2	-1.13	0.000	<i>1810011O10Rik</i>	2.8	41.4	-3.44	0.000
<i>Fth1</i>	313.3	781.4	-1.13	0.001	<i>H2-DMa</i>	2.3	25.9	-3.56	0.000
<i>Tpd52</i>	10.2	22.3	-1.14	0.006	<i>Mki67</i>	2.4	36.5	-3.84	0.002
<i>Rpl32</i>	48.5	104.1	-1.15	0.048	<i>Mrc1</i>	4.8	60.8	-3.85	0.000
<i>C5ar1</i>	17.8	41.8	-1.17	0.020	<i>Srgn</i>	7.0	106.6	-3.92	0.000
<i>AU040972</i>	8.8	20.8	-1.20	0.041	<i>Niacr1</i>	0.6	22.1	-4.42	0.000
<i>Afap111</i>	9.4	20.6	-1.21	0.018	<i>1300014I06Rik</i>	0.4	20.1	-4.71	0.000
<i>Clec5a</i>	13.4	34.7	-1.21	0.003	<i>Gpr65</i>	1.8	65.3	-5.16	0.000
<i>Il1a</i>	55.6	163.9	-1.22	0.020	<i>Fxyd5</i>	0.4	29.6	-6.18	0.000
<i>Ctsh</i>	48.0	108.6	-1.23	0.000	<i>Msr1</i>	0.2	37.2	-6.69	0.000
<i>Alox5</i>	11.0	26.6	-1.24	0.048	<i>Fn1</i>	0.1	27.4	-7.85	0.000
<i>Man2b1</i>	136.4	340.0	-1.25	0.000					

Table S1, related to Figure 1. Differentially expressed genes between ICT-MGs and WT-MGs. Columns (left to right) show gene name, FPKM in WT MG and pooled ICT-MGs, log₂(fold change), and false discovery rate (FDR) from edgeR comparison. Differential gene expression (DGE) was filtered for at least 2-fold change, FPKM>20 in at least 1 sample, and FDR <0.05.

Table S2: Expression of microglia enriched genes in MLCs, related to Figure 4.

Gene	pICT MG	ICT YSS	ICT HSC	Log2 (YSS/ MG)	p- value	Log2 (HSC/ MG)	p- value	Log2 (YSS/ HSC)	p- value
Sicz2a5	37.7	27.1	3.2	-0.55	0.19	-3.63	0.00	3.08	0.00
P2ry12	2097.3	1636.9	244.3	-0.39	0.14	-3.05	0.00	2.68	0.00
Asph	196.4	124.1	27.3	-0.60	0.04	-2.91	0.00	2.33	0.00
Gpi34	385.2	392.1	121.4	-0.01	0.99	-1.67	0.00	1.69	0.00
Ccr5	287.3	155.7	50.6	-0.93	0.00	-2.58	0.00	1.67	0.00
Fam110a	15.9	14.7	5.3	-0.17	0.70	-1.67	0.00	1.51	0.00
Cd164	638.0	619.8	231.5	-0.08	0.74	-1.49	0.00	1.43	0.00
Pnp	98.9	87.9	37.8	-0.35	0.13	-1.49	0.00	1.15	0.00
Epb4.112	576.2	551.2	265.8	-0.18	0.42	-1.28	0.00	1.11	0.00
Golm1	228.4	241.4	115.3	0.01	0.96	-1.06	0.00	1.09	0.00
9330133014Rik	10.5	9.9	4.7	-0.13	0.75	-1.15	0.00	1.04	0.02
P2ry13	1188.6	991.0	541.5	-0.30	0.22	-1.20	0.00	0.92	0.00
Commnd8	76.8	71.7	41.2	-0.10	0.72	-1.00	0.00	0.92	0.00
Cfh	280.0	236.8	125.8	-0.10	0.32	-1.15	0.00	0.91	0.00
Fam102b	50.6	32.4	17.8	-0.10	0.03	-1.60	0.00	0.89	0.00
Casp8	169.5	141.9	77.1	-0.10	0.34	-1.07	0.00	0.82	0.00
Gal3st4	100.9	87.9	56.5	-0.10	0.35	-1.04	0.00	0.81	0.00
Ofim3	489.7	352.2	208.0	-0.10	0.04	-1.27	0.00	0.80	0.00
Rth4r1	56.1	42.4	25.6	-0.10	0.06	-1.25	0.00	0.75	0.01
6230427J02Rik	17.9	36.6	21.2	-0.10	0.01	0.35	0.30	0.73	0.03
Timm119	533.0	724.2	464.4	-0.10	0.13	-0.26	0.23	0.72	0.00
0610040J01Rik	19.2	18.3	11.4	-0.10	0.82	-0.76	0.01	0.70	0.04
Entpd1	268.5	219.0	141.9	-0.10	0.15	-1.01	0.00	0.69	0.00
Zfp715	38.5	42.7	29.4	-0.10	0.73	-0.47	0.06	0.59	0.03
D15Erttd621e	106.5	87.6	58.9	-0.10	0.11	-0.92	0.00	0.58	0.01
Cntm6	110.8	99.7	72.7	-0.10	0.51	-0.67	0.00	0.50	0.03
Abca9	226.8	236.5	180.3	-0.10	0.89	-0.48	0.01	0.47	0.01
Iifg1	319.8	341.2	261.4	-0.10	0.82	-0.36	0.10	0.43	0.05
Stgap2	125.4	97.9	78.0	-0.10	0.08	-0.80	0.00	0.42	0.02
Plekho1	217.3	210.4	162.9	-0.10	0.39	-0.61	0.00	0.41	0.08
Timm173	93.0	84.4	66.6	-0.10	0.52	-0.57	0.01	0.40	0.08
Rnese4	650.4	1106.7	870.1	-0.10	0.00	0.40	0.07	0.39	0.05
Serrnc3	1876.7	1984.5	1596.0	-0.10	0.81	-0.30	0.10	0.37	0.05
Elmo1	149.4	117.1	95.1	-0.10	0.06	-0.80	0.00	0.36	0.06
Smap2	139.7	113.9	93.7	-0.10	0.12	-0.71	0.00	0.34	0.09
Tgfb1	569.2	513.8	416.1	-0.10	0.45	-0.51	0.02	0.34	0.10
Tnfalp82	33.0	55.9	48.2	-0.10	0.04	0.45	0.15	0.33	0.32
Gna15	22.0	26.3	24.5	-0.10	1.00	-0.30	0.20	0.32	0.21
B4gal4	15.9	12.6	8.9	-0.10	0.19	-0.80	0.02	0.30	0.45
Mei2c	171.4	172.0	148.1	-0.02	0.95	-0.29	0.09	0.29	0.11
Mylip	59.2	60.7	48.4	-0.14	0.62	-0.40	0.06	0.28	0.27
4632428N05Rik	244.0	237.5	205.0	-0.08	0.73	-0.34	0.05	0.28	0.11
Sico2b1	280.3	323.1	277.3	0.16	0.55	-0.09	0.67	0.26	0.26
Fcrl3	183.5	286.2	257.4	0.66	0.03	0.50	0.05	0.17	0.56
Hexb	2956.8	2161.0	2016.1	-0.54	0.02	-0.68	0.00	0.16	0.51
Rgs10	292.9	203.7	207.0	-0.50	0.03	-0.63	0.00	0.14	0.50
Srsf9	74.4	82.1	79.9	0.14	0.64	0.03	0.89	0.12	0.63
0610007C21Rik	50.3	72.3	66.8	0.55	0.20	0.45	0.15	0.11	0.78
Orai1	25.2	24.4	23.7	-0.13	0.66	-0.20	0.47	0.09	0.76
Tmem55b	47.1	48.0	43.1	-0.29	0.33	-0.36	0.13	0.08	0.77
Fam105a	166.9	183.6	184.2	0.13	0.61	0.10	0.61	0.04	0.85
Itpip1	35.4	39.3	40.5	0.16	0.53	0.14	0.59	0.04	0.88
Ophn1	74.2	76.1	74.7	-0.13	0.62	-0.12	0.56	0.01	0.96
Stf2d1	38.0	36.4	39.8	-0.41	0.27	-0.40	0.18	0.00	1.00
Rab311	35.7	47.8	52.8	0.48	0.15	0.51	0.09	-0.02	0.95
Lair1	329.9	198.1	213.3	-0.77	0.01	-0.72	0.00	-0.03	0.91
Ippp5d	118.6	121.9	131.7	-0.10	0.72	-0.04	0.84	-0.05	0.85
Ihm2b	608.1	658.4	718.9	0.05	0.83	0.15	0.50	-0.08	0.74
Pycard	29.5	16.6	18.4	-0.86	0.01	-0.77	0.01	-0.08	0.81
Lpar6	126.8	139.9	156.3	0.11	0.67	0.24	0.30	-0.11	0.69
Asb2	5.0	4.9	5.4	-0.21	0.59	-0.10	0.76	-0.11	0.78
Ilgb5	120.3	141.7	155.8	0.15	0.55	0.28	0.21	-0.12	0.64
Ctsd	4098.4	3168.3	3629.6	-0.39	0.10	-0.19	0.42	-0.18	0.48
Stf2d2	53.2	53.9	64.3	-0.09	0.75	0.18	0.42	-0.25	0.18
Af251705	95.3	105.3	116.4	-0.14	0.57	0.17	0.41	-0.29	0.23
Blnk	74.7	66.9	77.5	-0.47	0.19	-0.15	0.49	-0.31	0.33
Ilt10ra	77.7	94.9	123.3	0.19	0.53	0.52	0.05	-0.32	0.16
BC004004	14.0	12.0	18.0	-0.19	0.62	0.18	0.58	-0.35	0.35
Gp160	27.4	39.1	49.9	0.39	0.24	0.77	0.01	-0.36	0.19
Cysltf1	30.2	29.7	37.2	-0.11	0.75	0.28	0.28	-0.37	0.20
Tmem2	159.3	199.4	271.6	0.27	0.32	0.71	0.00	-0.52	0.04
Ptatr	17.6	17.9	27.7	0.00	1.00	0.54	0.04	-0.42	0.10
Zfp658	20.7	19.7	32.0	-0.17	0.60	0.51	0.05	-0.67	0.02
Tmem37	11.1	23.5	42.0	1.08	0.01	1.78	0.00	-0.69	0.08
Pmepa1	165.6	170.4	353.3	0.02	0.95	1.04	0.00	-1.01	0.00
Ldhb	2.4	0.8	16.0	NA	NA	2.45	0.00	-3.78	0.00
Lipih	0.8	0.9	0.0	NA	NA	NA	NA	NA	NA

Table S2, related to Figure 4. Expression of microglia-enriched gene cassette from Bennett et al 2016 in ICT-MGs, HSC- and YS-MLCs. Columns (left to right) show gene name, FPKM values, Log₂(fold change) for 3 relevant comparisons, and associated p-values. Colored genes indicate DGE between YS- and HSC-MLCs (2 fold cutoff, FDR<0.05, FPKM >20). Genes colored blue were closer to MG levels in YS-MLCs, while genes colored orange were closer in HSC-MLCs.

Table S3: Expression of TMEM119- myeloid cell enriched gene cassette in MLCs, related to Figure 4.

Gene	pICT MG	ICT Yss	ICT HSCs	Log2 (Yss/ MG)	p- value	Log2 (HSC/ MG)	p- value	Log2 (Yss/ HSC)	p- value
H2-Aa	9.4	13.3	469.7	0.43	0.53	5.50	0.00	-5.04	0.00
H2-Ab1	5.1	7.4	194.4	0.53	0.46	5.20	0.00	-4.65	0.00
Al607873	1.5	3.5	68.8	1.29	0.03	5.64	0.00	-4.31	0.00
Klra2	3.5	12.7	233.9	1.70	0.06	5.90	0.00	-4.17	0.00
C3	2.6	0.9	10.9	-1.94	0.01	1.97	0.00	-3.90	0.00
C3300id	0.8	1.1	16.7	NA	NA	5.03	0.00	-3.84	0.00
Lyz2	230.4	446.8	5880.4	0.90	0.01	4.67	0.00	-3.76	0.00
CD74	76.2	78.5	966.8	-0.07	0.89	3.60	0.00	-3.65	0.00
Clec12a	0.6	8.8	81.3	3.69	0.00	6.99	0.00	-3.36	0.00
Ccr2	3.7	1.1	6.6	-1.98	0.02	1.21	0.24	-3.18	0.00
Cpne2	1.5	2.7	20.6	0.67	0.24	3.78	0.00	-3.13	0.00
Lilrb4	27.1	35.0	246.1	0.01	0.99	3.12	0.00	-3.10	0.00
Gp49a	7.0	6.1	38.6	-1.54	0.00	1.40	0.00	-2.93	0.00
C997	0.8	0.9	6.9	NA	NA	3.28	0.00	-2.91	0.00
Athgap15	3.5	11.4	88.5	1.89	0.00	4.68	0.00	-2.76	0.00
Cxcl2	15.5	23.7	131.0	0.59	0.44	3.17	0.00	-2.56	0.00
Rara	0.5	1.5	8.5	NA	NA	3.64	0.00	-2.52	0.00
Mdal	0.9	3.5	19.1	NA	NA	3.51	0.00	-2.45	0.00
Pibid1	1.8	2.4	22.7	0.52	0.46	2.92	0.00	-2.38	0.00
Syne1	0.0	0.2	3.9	2.40	0.00	4.51	0.00	-2.07	0.00
Cybb	11.3	92.5	359.2	2.94	0.00	4.96	0.00	-2.00	0.00
Neat1	35.9	34.4	125.9	-0.10	0.74	1.69	0.00	-1.79	0.00
Ifitm3	10.8	29.3	106.6	1.36	0.06	3.15	0.00	-1.77	0.00
Fxyd5	29.6	35.8	98.8	0.28	0.59	1.84	0.00	-1.55	0.00
Il1b	2.8	3.3	8.6	-0.30	0.65	NA	NA	-1.50	0.00
Rasgrp4	2.4	1.5	4.4	-0.94	0.10	0.51	0.18	-1.41	0.00
Ifitm2	12.7	29.1	79.4	1.09	0.02	2.47	0.00	-1.35	0.00
Em2	1.5	5.8	13.7	1.84	0.01	3.14	0.00	-1.29	0.11
Sp100	3.9	13.2	30.8	1.97	0.00	3.11	0.00	-1.13	0.00
Fam65b	3.5	3.9	11.1	0.40	0.48	1.49	0.00	-1.06	0.01
Cd44	2.3	8.6	17.6	2.01	0.00	3.07	0.00	-1.04	0.00
Igsf6	44.3	70.5	146.1	0.64	0.04	1.66	0.00	-1.00	0.00
Sepp1	8.8	13.7	28.6	0.76	0.30	1.78	0.00	-0.98	0.04
Lilrb3	7.4	7.7	20.0	0.13	0.81	1.11	0.00	-0.96	0.01
Iloest1	6.4	4.9	8.6	-0.43	0.41	0.43	0.21	-0.85	0.10
Iiga4	1.9	14.5	25.0	2.74	0.00	3.58	0.00	-0.82	0.00
Adpgk	14.2	15.2	26.4	-0.20	0.69	0.61	0.15	-0.79	0.02
F630028O10Rik	8.4	22.3	34.3	1.33	0.00	1.93	0.00	-0.59	0.13
Iqgap1	4.5	15.7	23.2	1.78	0.00	2.34	0.00	-0.55	0.13
Pli/a	35.6	48.9	52.1	0.36	0.32	0.44	0.12	-0.06	0.87
Vim	11.6	38.1	29.3	1.42	0.00	1.36	0.02	0.07	0.89
Cnn2	2.2	7.9	7.3	1.62	0.01	NA	NA	0.07	0.88
Mxd1	13.7	8.3	6.3	-0.83	0.06	-1.13	0.00	0.32	0.42
Evf2b	69.1	63.3	53.3	-0.17	0.63	-0.57	0.01	0.42	0.18
Pram1	4.2	7.6	5.5	0.65	0.09	0.19	0.60	0.47	0.20
Lsp1	19.7	82.4	64.1	2.07	0.00	1.57	0.00	0.50	0.29
Cd24a	1.2	4.2	2.3	1.85	0.01	NA	NA	0.73	0.34
Ceacam1	45.0	23.0	10.5	-1.02	0.00	-2.08	0.00	1.09	0.00
Lyz1	0.9	0.9	22.1	NA	NA	NA	NA	NA	NA
Chip1	3.1	7.6	20.6	NA	NA	NA	NA	NA	NA

Gene	pICT MG	ICT Yss	ICT HSCs	Log2 (Yss/ MG)	p- value	Log2 (HSC /MG)	p- value	Log2 (Yss /HSC)	p- value
Gm1428	3.9	6.1	17.4	NA	NA	NA	NA	NA	NA
S100a11	5.7	8.1	7.4	NA	NA	NA	NA	NA	NA
Lilrb6	2.7	2.4	6.7	NA	NA	NA	NA	NA	NA
S100a9	4.1	4.2	5.5	NA	NA	NA	NA	NA	NA
Pygl	2.3	3.3	4.9	0.44	0.44	NA	NA	NA	NA
S100a8	1.8	1.0	4.1	NA	NA	NA	NA	NA	NA
2310001H17Rik	0.6	0.6	4.1	NA	NA	NA	NA	NA	NA
Fp1	0.2	0.4	3.5	NA	NA	NA	NA	NA	NA
Anxa1	0.6	7.6	3.4	3.18	0.00	NA	NA	NA	NA
Pilrb2	0.2	0.9	3.1	NA	NA	NA	NA	NA	NA
H2-Eb1	0.0	0.2	2.7	NA	NA	NA	NA	NA	NA
Fpr2	0.2	0.0	2.3	NA	NA	NA	NA	NA	NA
Avp1	0.9	1.2	2.0	NA	NA	NA	NA	NA	NA
Ngp	0.2	0.9	1.7	NA	NA	NA	NA	NA	NA
1810033B17Rik	0.4	1.8	1.7	NA	NA	NA	NA	NA	NA
H2-Q10	0.1	0.4	1.6	NA	NA	NA	NA	NA	NA
Gsr	1.4	0.9	1.5	NA	NA	NA	NA	NA	NA
S100a6	1.1	3.4	1.3	NA	NA	NA	NA	NA	NA
Gda	0.2	0.4	1.2	NA	NA	NA	NA	NA	NA
Staa21	1.4	0.2	1.1	NA	NA	NA	NA	NA	NA
Ifitm6	2.7	1.5	1.1	NA	NA	NA	NA	NA	NA
Plac8	0.0	0.9	1.1	NA	NA	NA	NA	NA	NA
Relbg	0.0	1.9	1.0	NA	NA	NA	NA	NA	NA
Lcn2	0.0	0.2	0.9	NA	NA	NA	NA	NA	NA
Sell	1.0	0.1	0.8	NA	NA	NA	NA	NA	NA
Gm5483	1.8	0.0	0.7	NA	NA	NA	NA	NA	NA
Samd9l	1.2	0.9	0.6	-0.47	0.62	NA	NA	NA	NA
Gm16894	0.5	0.8	0.6	NA	NA	NA	NA	NA	NA
Sifn4	0.0	0.0	0.5	NA	NA	NA	NA	NA	NA
Atfb4	0.4	0.6	0.5	NA	NA	NA	NA	NA	NA
Camp	0.0	0.0	0.5	NA	NA	NA	NA	NA	NA
Dok2	0.9	1.3	0.5	NA	NA	NA	NA	NA	NA
Eat2	0.0	0.4	0.4	NA	NA	NA	NA	NA	NA
Ifitm1	0.0	0.0	0.4	NA	NA	NA	NA	NA	NA
Pgylp1	0.4	0.9	0.4	NA	NA	NA	NA	NA	NA
Ch33	0.0	0.5	0.2	NA	NA	NA	NA	NA	NA
Sifn1	0.0	0.3	0.2	NA	NA	NA	NA	NA	NA
Mmp8	0.0	0.2	0.1	NA	NA	NA	NA	NA	NA
Cxcr2	0.2	1.2	0.1	NA	NA	NA	NA	NA	NA
Ltf	0.1	0.0	0.1	NA	NA	NA	NA	NA	NA
Trim30b	0.6	0.3	0.1	NA	NA	NA	NA	NA	NA
Lyc62	0.0	0.0	0.1	NA	NA	NA	NA	NA	NA
Hdc	0.0	0.2	0.1	NA	NA	NA	NA	NA	NA
Mmp9	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA
1100001G20Rik	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA
Elane	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA
Hsd11b1	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA
Mpo	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA
Pad14	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA
Sipi	1.7	1.7	0.0	NA	NA	NA	NA	NA	NA

Table S3, related to Figure 4. Expression of non-microglial myeloid cell-enriched gene cassette from Bennett et al 2016 in ICT-MGs, HSC- and YS-MLCs. Columns (left to right) show gene name, FPKM values, Log₂(fold change values) for 3 relevant comparisons, and associated p-values. Colored genes indicate DGE between YS- and HSC-MLCs (2 fold cutoff, FDR<0.05, FPKM >20). Genes colored blue were closer to MG levels in YS-MLCs, while genes colored orange were closer in HSC-MLCs. NA = unable to achieve meaningful statistical comparison based on read counts by edgeR.

Table 4: Genes decreased in IP BM MLCs (2-3 months brain residence) compared to ICT BM MLCs (2 weeks brain residence), related to Figure 4.

Gene	ICT BM	IP BM	Log2 (ICT/ IP)	FDR
4833417C18Rik	20.51	0.82	4.06	0.000
Ddit4	31.18	1.81	4.02	0.000
Amica1	34.95	2.35	3.99	0.000
2810008D09Rik	45.15	5.44	3.19	0.000
Hist1h1e	32.06	3.59	3.01	0.000
Samd1	36.97	6.06	2.81	0.000
Cbr2	20.64	4.84	2.76	0.010
Adam19	69.85	10.3	2.76	0.000
C030034L19Rik	127.09	19	2.71	0.000
U2af114	29.14	5.59	2.69	0.003
Dok3	44.82	7.67	2.66	0.000
Clec4a1	22.59	3.4	2.63	0.004
Spp1	50.64	7.66	2.61	0.003
Snhg3	60.39	15.4	2.52	0.001
Ier2	209.03	37.5	2.50	0.000
Arl10	41.57	7.63	2.48	0.004
2410004N09Rik	35.35	5.05	2.46	0.024
Ssna1	43.99	7.81	2.45	0.008
Pnpla2	45.86	9.17	2.37	0.000
Per1	119.81	24.9	2.36	0.000
Fkbp5	197.23	30.1	2.34	0.001
Rps16	40.51	49.7	2.34	0.038
Stab1	156.37	33.1	2.31	0.000
Rps27a	34.36	11.9	2.31	0.015
Serpinf1	125.35	26.4	2.30	0.000
Dctpp1	59.52	9.98	2.30	0.028
Htra2	33.98	26.5	2.29	0.006
Klf2	146.66	30.7	2.29	0.001
Mpdu1	20.08	6.72	2.28	0.022
C1qa	1187.1	253	2.25	0.000
Ppia	134.48	142	2.22	0.012
Lsp1	83.81	18	2.17	0.001
Zfp414	31.63	6.01	2.17	0.002
Slc38a7	22.27	4.27	2.14	0.002
Fau	70.92	56	2.13	0.050
Rps29	285.31	218	2.13	0.017
Sult1a1	184.48	37	2.13	0.003
Sh3gl1	26.03	9.41	2.09	0.006
Fcgrt	25.74	6.22	2.07	0.016
Exosc5	20.24	4.59	2.06	0.031
Arrdc1	62	16.1	2.05	0.000
Dhrs4	22.91	5.82	2.05	0.029
Mitd1	22.78	5.21	2.02	0.049
Prkab1	65.28	19.2	2.00	0.006
Neat1	225.88	56.9	1.98	0.008
Ugt1a7c	21.19	7.43	1.97	0.040
Zfp513	23.22	5.76	1.97	0.003
Sf3b4	22.66	7.8	1.97	0.012
Asna1	32.25	6.18	1.92	0.014

Gene	ICT BM	IP BM	Log2 (ICT/ IP)	FDR
Cryba4	49.54	10.16	1.92	0.011
Dnase2a	20.29	8.91	1.91	0.012
Snrpa	32.89	10.62	1.89	0.015
Slfn2	38.11	11.01	1.88	0.006
Bcl2l1	25.87	7.15	1.87	0.029
Irf3	53.89	15.83	1.83	0.003
Slc2a3	22.72	6.67	1.79	0.047
Lyl1	181.1	53.34	1.77	0.000
Ppp4c	45.09	12.73	1.77	0.029
Miip	21.75	8.19	1.74	0.028
H2-DMa	240.8	82.49	1.74	0.012
H2-DMb2	77.88	22	1.69	0.049
Polg	24.02	7.23	1.69	0.015
Atp13a1	23.52	9.19	1.69	0.006
Ap1b1	44.13	13.47	1.67	0.004
Shmt2	20.51	6.66	1.66	0.027
Glt25d1	65.77	20.3	1.64	0.002
Ltc4s	117.7	37.2	1.64	0.044
Anapc16	74.34	21.78	1.63	0.012
Isyna1	40.01	13.86	1.63	0.017
Araf	44.17	18.17	1.63	0.011
Sdc4	50.53	15.66	1.61	0.034
Rogdi	142.9	52.51	1.60	0.012
1810031K17Rik	52.81	17.67	1.56	0.047
Slc35c2	56.31	20.12	1.56	0.036
Ptms	139.7	50.17	1.56	0.030
Rnf169	71.47	23.1	1.54	0.002
Traf3ip3	30.69	10.03	1.52	0.029
Scamp5	52.12	17.72	1.52	0.026
Naga	37.44	13.26	1.50	0.021
Hlx	27.79	11.47	1.47	0.027
Ggta1	80.25	29.43	1.45	0.027
Gpr108	42.63	12.44	1.44	0.031
B4galnt1	90.39	31.23	1.42	0.049
Hist1h1c	41.66	12.64	1.41	0.035
Tsc22d3	252.6	96.9	1.40	0.039
Ak2	134.5	51.24	1.38	0.028
Tspyl2	39.75	14.85	1.38	0.037
Zfp36l1	627.7	248.9	1.35	0.016
P2ry6	222.2	88.71	1.35	0.033
Tmem104	82.77	29.97	1.34	0.017
Fbbs	69.97	30.96	1.32	0.030
Cd14	550.6	226.4	1.32	0.029
Kcnk6	94.49	37.25	1.30	0.022
Atp6v0b	283.4	126.7	1.29	0.048
Hk3	24.55	10.92	1.28	0.049
Kdm6b	41.14	18.33	1.28	0.033
Ppcdc	121.4	56.03	1.23	0.046
Slc43a2	71.13	29.77	1.21	0.031

Table S4, related to Figure 4. Genes more highly expressed in MLCs from BM ICT at 2 weeks than MLCs from BM IP at 2-3 months. Columns (left to right) show gene name, FPKM values, Log₂(fold change), and associated FDRs, for all genes with FPKM>20 in at least 1 sample, and Log₂(FC) of 1 or higher.

Table S5: Genes increased in IP BM MLCs (2-3 months brain residence) compared to ICT BM MLCs (2 weeks brain residence), related to Figure 4.

Gene	ICT BM	IP BM	Log2 (ICT/IP)	FDR
Eif2s3y	0.59	35.8	-6.47	0.000
Ddx3y	0.31	21.53	-6.17	0.000
Lyz1	10.17	31.49	-5.93	0.010
St8sia6	0.99	30.67	-5.30	0.000
Atp1b1	1.54	50.09	-5.01	0.015
Rps23	85.35	112.7	-4.55	0.000
Cdr1	2.75	53.75	-4.16	0.041
Ndrp2	1.28	20.2	-3.67	0.037
1810011O10Rik	1.01	29.9	-3.51	0.000
G530011O06Rik	3.19	29.62	-3.46	0.000
Qpct	4.34	34.97	-3.19	0.012
Kcnj13	4.67	32.77	-2.79	0.004
Tgm2	4.26	38.35	-2.76	0.002
Galnt3	5.4	27.46	-2.66	0.000
Siglech	45.59	229.05	-2.34	0.000
Cab39l	5.19	23.24	-2.33	0.023
Ccnd2	8.37	37.82	-2.22	0.003
Inpp4b	6.57	26.8	-2.21	0.035
Hmgb2	10.17	31.12	-2.18	0.008
A1504432	8.96	43.19	-2.18	0.012
H2-M3	11.55	44.83	-2.12	0.009
Cmpk1	14.61	61.48	-2.12	0.000
Tmed5	16.64	60.49	-2.06	0.012
Rab6b	5.58	22.57	-2.05	0.016
Camk2n1	9.41	38.75	-1.96	0.004
Myo1b	7.92	30.06	-1.90	0.009
Peli1	15.53	54.4	-1.85	0.012
Abcc9	8.87	31.52	-1.85	0.006
Niacr1	6.96	26.93	-1.83	0.037
Rtn1	24.9	91.44	-1.79	0.030
Pkib	8.66	29.93	-1.78	0.027
Klra2	110.98	355.86	-1.77	0.003
Arhgap5	22.81	69.58	-1.70	0.027
Ids	23.7	74.67	-1.67	0.031
B3gnt2	22.14	67.73	-1.67	0.024
Cfh	70.15	176.16	-1.67	0.020
Plxna4	10.95	31.68	-1.67	0.012
Tex2	9.25	29.49	-1.61	0.022
Fam98b	11.54	34.38	-1.61	0.026
Basp1	29.04	78.35	-1.60	0.027
Htra3	7.22	21.16	-1.58	0.050
Dnajc28	9.05	25.28	-1.56	0.049
Leprel1	8.84	23.64	-1.56	0.048
Ifi204	14.1	30.23	-1.52	0.048
Tlr3	13.16	34.91	-1.50	0.037
H2-K1	320.31	874.72	-1.49	0.024
Ier5	107.84	295.01	-1.48	0.038
Arhgap15	50.11	122.93	-1.45	0.031
Lrrc3	87.08	222.08	-1.39	0.029
Sgpp1	33.38	82.43	-1.38	0.030

Table S5, related to Figure 4. Genes more highly expressed in MLCs from BM IP at 2-3 months than MLCs from BM ICT at 2 weeks. Columns (left to right) show gene name, FPKM values, Log₂(fold change), and associated FDRs, for all genes with FPKM>20 in at least 1 sample, and Log₂(FC) of -1 or lower.