Suppl Table 1. Number of animals analyzed per group

Experiment	I				II				III				
	S	M	M+AP	M+CP	S	M	M+MC	M+Veh	M	M + AP+LY	M+AP+Veh	M+Veh	M+740Y-P
Neurobehavioral tests *Figure 1D-I; Figure 3C-H; Figure 5B-G*	18	19	19	18	18	19	20	18	18	19	19	20	18
H-reflex evaluation *Figure 1L-N; Figure 3I-K; Figure 5H-J*	18	19	19	18	18	19	20	18	18	19	19	20	18
TTC staining *Figure 1J, K*	6	6	6	6	-	-	-	-	-	-	-	-	-
Immunofluorescence *Figure 2A-H; Figure 4A-H; Figure 6A-D; Figure 7A-D*	6	6	6	6	6	6	6	6	6	6	6	6	6
RT-PCR *Figure 2P-Q; Figure 4N-O; Figure 7 J-K*	6	6	6	6	6	6	6	6	6	6	6	6	6
Western blotting *Figure 2I-O; Figure 4I-M; Figure 7E-I*	6	6	6	6	6	6	6	6	6	6	6	6	6
ELISA *Figure 2R-W; Figure 4P-U; Figure 7L-Q*	6	6	6	6	6	6	6	6	6	6	6	6	6

S, sham-operated; M, model; AP, acupoint; CP, control non-acupoint; MC, minocycline hydrochloride; Veh, vehicle; LY, LY294002

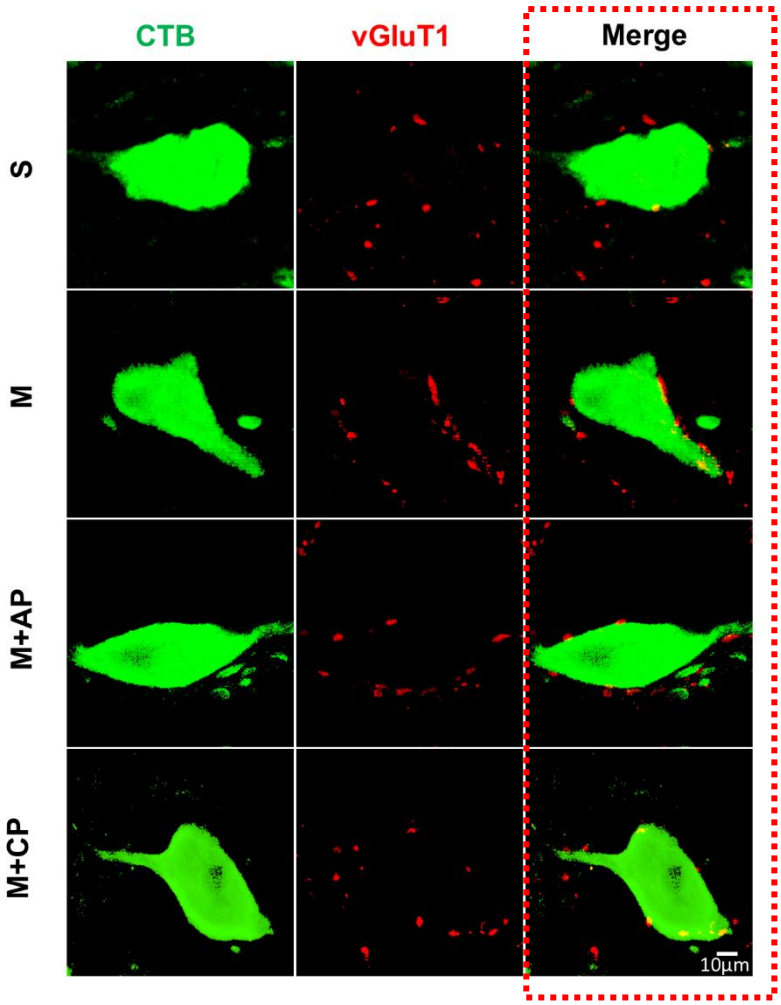
Suppl Table 2. The primer sequences for RT-qPCR

Gene	**Primer sequence (5′→3′)**	**Reverse primer (5′→3′)**
Fcgr2a	GCTTTTGCAGACAGGCAGAC	TCACAGTGTCGTCCTTGAGC
Mrc1	GACTAAGCCAAGGGGCAACC	GAGTCTCATGGCCCAGAGTG
GAPDH	AAGTTCAACGGCACAGTCAAGG	GACATACTCAGCACCAGCATCAC

Suppl Table 3. Characteristics of the M-Wave and H-Reflex: Latency, Amplitude, and Threshold

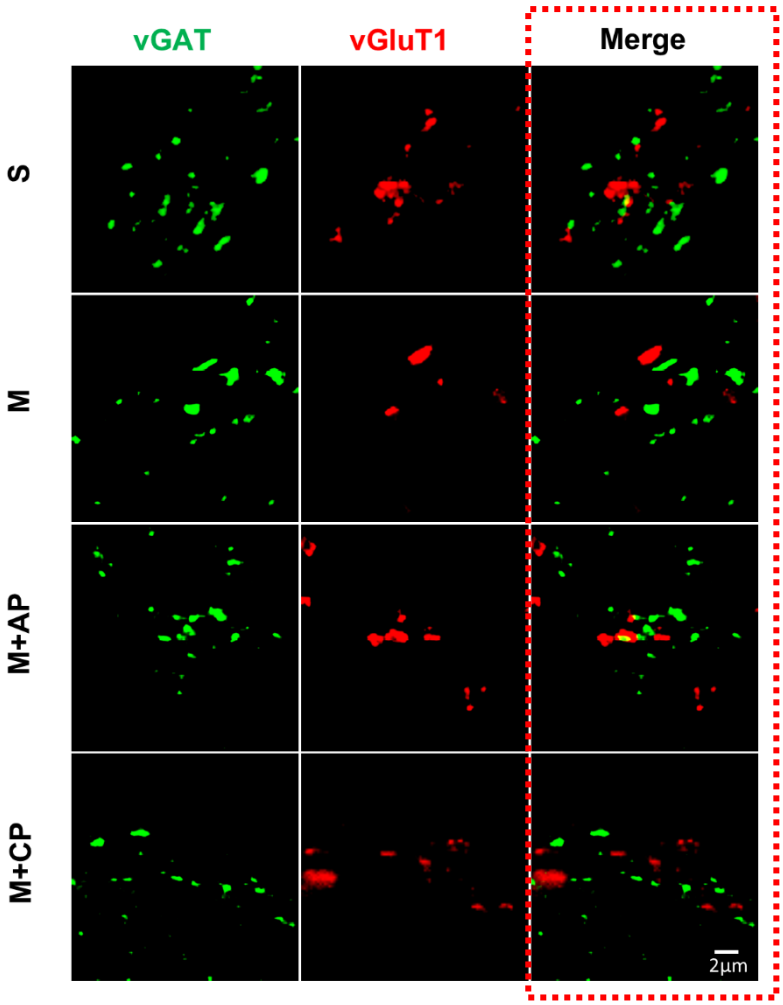
Group	Experiment	Motor threshold (mA)	Mmax (mV)	Hmax (mV)	M latency (msec)	H latency (msec)	H-reflex threshold (× MT)	Hmax (× MT)
S	I	0.20±0.03	6.77±0.27	1.60±0.11	2.69±0.23	9.24±0.18	1.02±0.14	1.58±0.15
M		0.44±0.04	6.39±0.49	4.92±0.52	2.70±0.22	9.26±0.16	1.02±0.11	1.60±0.16
M+AP		0.29±0.02	6.67±0.34	3.79±0.45	2.73±0.22	9.29±0.21	1.05±0.10	1.61±0.19
M+CP		0.42±0.02	6.42±0.46	5.01±0.25	2.72±0.25	9.30±0.19	1.01±0.12	1.60±0.18
S	II	0.22±0.03	6.79±0.26	1.61±0.10	2.68±0.19	9.27±0.14	1.04±0.13	1.60±0.19
M		0.42±0.03	6.44±0.45	4.99±0.54	2.70±0.21	9.31±0.16	1.06±0.15	1.68±0.18
M+MC		0.33±0.02	6.70±0.34	3.98±0.47	2.71±0.22	9.34±0.22	1.07±0.10	1.62±0.15
M+Veh		0.43±0.02	6.43±0.44	5.02±0.27	2.72±0.25	9.31±0.18	1.03±0.09	1.62±0.18
M	III	0.45±0.02	6.44±0.42	5.16±0.58	2.73±0.23	9.38±0.18	1.14±0.11	1.75±0.14
M+AP+LY		0.36±0.03	6.87±0.39	4.21±0.48	2.75±0.26	9.41±0.25	1.14±0.11	1.77±0.19
M+AP+Veh		0.30±0.02	6.60±0.43	3.31±0.42	2.78±0.22	9.43±0.22	1.17±0.10	1.73±0.11
M+ Veh		0.45±0.03	6.49±0.42	5.27±0.51	2.76±0.24	9.42±0.19	1.13±0.09	1.80±0.18
M+740Y-P		0.37±0.02	6.75±0.32	3.96±0.44	2.72±0.20	9.41±0.16	1.16±0.07	1.79±0.13

Data were expressed as mean ± SD. S, sham-operated; M, model; AP, acupoint; CP, control non-acupoint; MC, minocycline hydrochloride; Veh, vehicle; LY, LY294002.



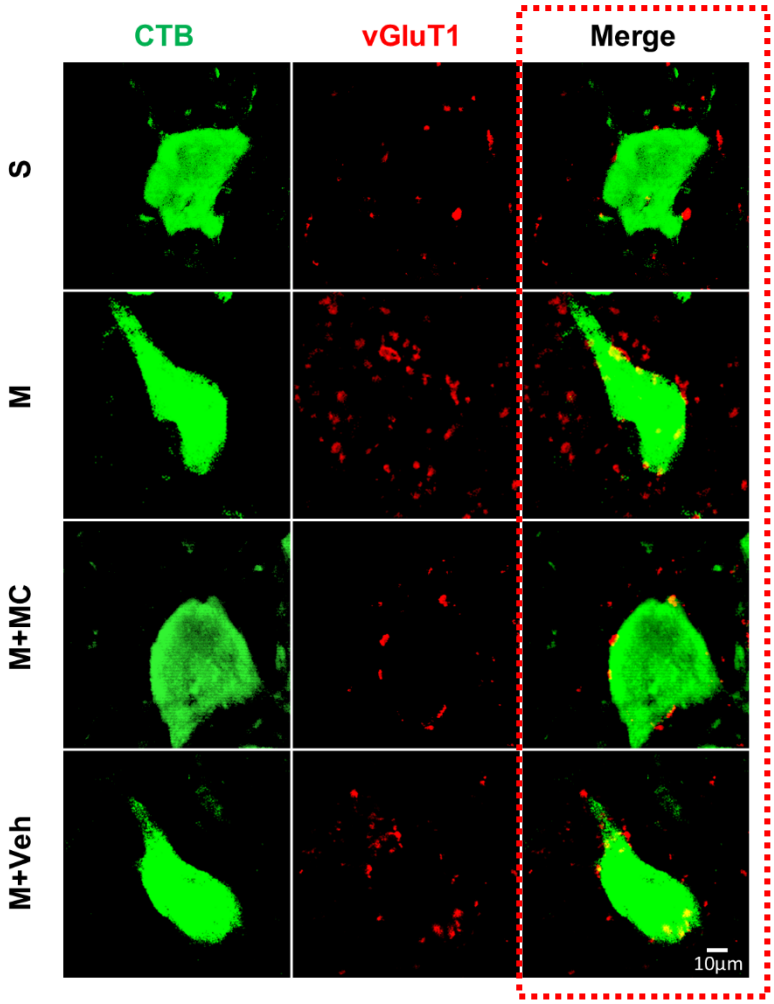
Suppl Figure 1. Effects of acupuncture on vGluT1 expressions in the spinal cord of MCAO rats with spastic hemiplegia. Representative images of vGluT1 immunoreactive boutons (marking the proprioceptive terminals, red) on CTB-labeled motor neurons (green); scale bar, 10 μm. S: sham-operated group; M: model group; M+AP: model + acupuncture group; M+CP: model + control point group.

Note: The merge image in dashed frame is Figure 2E in main text.



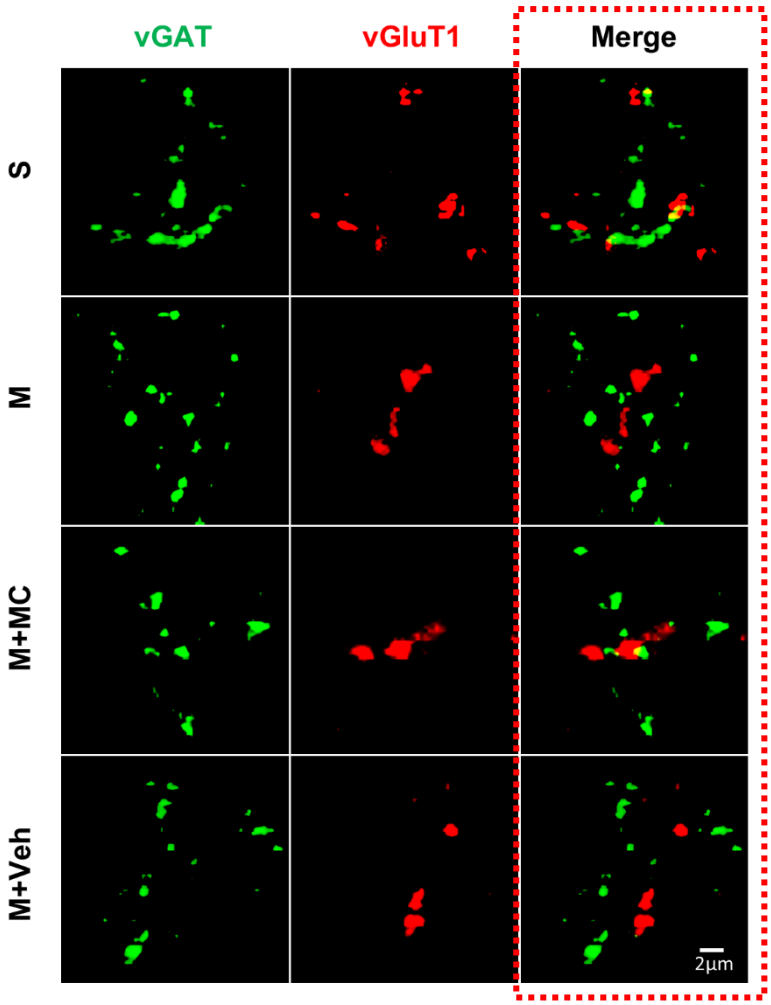
Suppl Figure 2. Effects of acupuncture on vGluT1 and vGAT expressions and their contacts in the spinal cord of MCAO rats with spastic hemiplegia. Representative images of vGluT1 boutons (red), vGAT immunoreactive boutons (marking GABAergic synapses, green), and their contacts; scale bar, 2 μm. S: sham-operated group; M: model group; M+AP: model + acupuncture group; M+CP: model + control point group.

Note: The merge image in dashed frame is Figure 2F in main text.



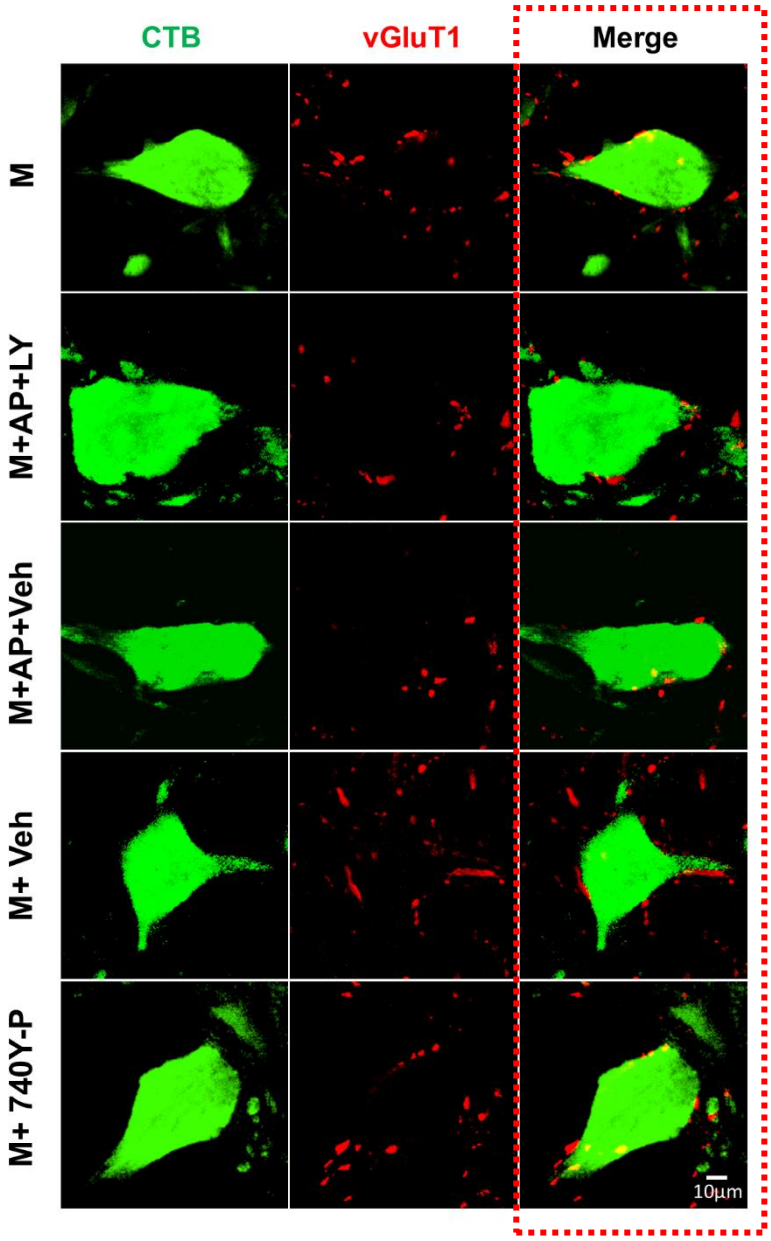
Suppl Figure 3. Effects of microglia M1 polarization inhibitor on vGluT1 expressions in the spinal cord of MCAO rats with spastic hemiplegia. Representative images of vGluT1 immunoreactive boutons (marking the proprioceptive terminals, red) on CTB-labeled motor neurons (green); scale bar, 10 μm. S: sham-operated group; M: model group; M+MC: model + minocycline hydrochloride group; M+Veh: model + vehicle group.

Note: The merge image in dashed frame is Figure 4E in main text.



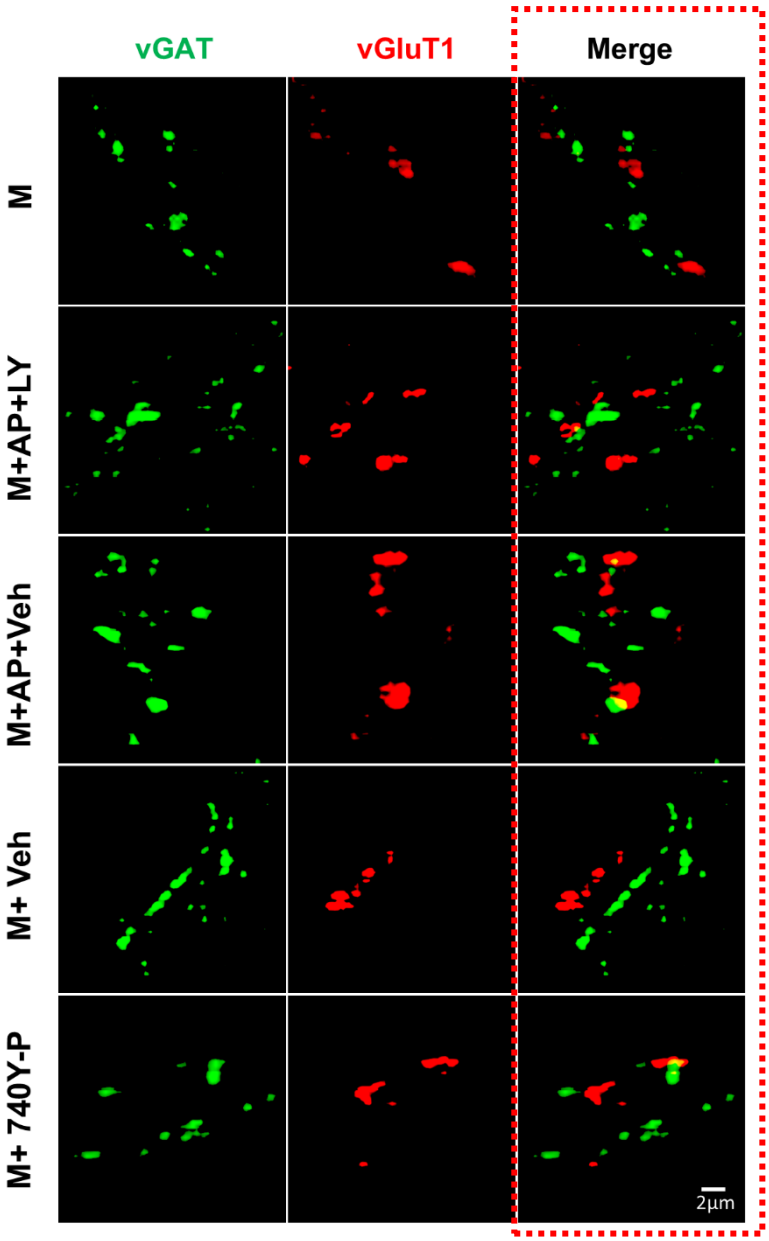
Suppl Figure 4. Effects of microglia M1 polarization inhibitor on vGluT1 and vGAT expressions and their contacts in the spinal cord of MCAO rats with spastic hemiplegia. Representative images of vGluT1 boutons (red), vGAT immunoreactive boutons (marking GABAergic synapses, green), and their contacts; scale bar, 2 μm. S: sham-operated group; M: model group; M+MC: model + minocycline hydrochloride group; M+Veh: model + vehicle group.

Note: The merge image in dashed frame is Figure 4F in main text.



Suppl Figure 5. Effects of PI3K inhibitor LY294002 (LY) and agonist 740Y-P on vGluT1 expressions in the spinal cord in MCAO rats with spastic hemiplegia. Representative images of vGluT1 immunoreactive boutons (marking the proprioceptive terminals, red) on CTB-labeled motor neurons (green); scale bar, 10 μm. M: model group; M+AP+LY: model + acupuncture + LY294002 group; M+AP+Veh: model + acupuncture + vehicle; M+Veh: model + vehicle group; M+740Y-P: model + 740Y-P group.

Note: The merge image in dashed frame is Figure 7A in main text.



Suppl Figure 6. Effects of PI3K inhibitor LY294002 (LY) and agonist 740Y-P on vGluT1 and vGAT expressions and their contacts in the spinal cord in MCAO rats with spastic hemiplegia. Representative images of vGluT1 boutons (red), vGAT immunoreactive boutons (marking GABAergic synapses, green), and their contacts; scale bar, 2 μm. M: model group; M+AP+LY: model + acupuncture + LY294002 group; M+AP+Veh: model + acupuncture + vehicle; M+Veh: model + vehicle group; M+740Y-P: model + 740Y-P group.

Note: The merge image in dashed frame is Figure 7B in main text.