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| ***Experiment I (Figure 2): To examine the effects of CCI on PWT, activation of microglia and levels of CSF1 in the DRG and DH (n=45 rats)***  Naïve rats (n=10): these rats were used to measure PWT. On day 21 after CCI, rats were sacrificed to collect tissues for IF (n=5 rats; Figure-2B and 2C) and WB (n=5 rats; Figure-2D).  CCI rats (n=35): among these rats, 10 of them were used to measure PWT. Rats were sacrificed on day 1 (n=5 rats), day 3 (n=5 rats), day 7 (n=10 rats), day 14 (n=5 rats), and day 21 (n=10 rats) after CCI to collect tissues for IF (n=5 rats for day 7; Figure-2B and 2C) and WB (n=5 rats for each time point; Figure-2D). |
| ***Experiment II (Figure 3 and Figure 4): To examine the effects of SCS on*** ***PWT, activation of microglia, levels of CSF1, and expression of proinflammatory cytokines in the DH in CCI rats (n=45 rats)***  Naïve rats (n=15); CCI+Sham SCS rats (n=15); CCI+SCS rats (n=15)  Among these rats, 10 of them from each group were used to measure PWT. Five days after SCS (day 17 after CCI), rats were sacrificed to collect tissues for IF (n=5 rats/per group; Figure-3B and 3C), WB (n=5 rats/per group; Figure-3D), and PCR (n=5 rats/per group; Figure-4A). |
| ***Experiment III (Figure 5): To examine the effects of*** ***trehalose or CSF1 injection on*** ***PWT and activation of microglia in the DH in CCI rats treated with SCS (n=40 rats)***  Naïve rats (n=10); CCI+Sham SCS rats (n=10); CCI+SCS+trehalose rats (n=10); CCI+SCS+CSF1 rats (n=10)  Ten rats from each group were used to measure PTW. Three days after trehalose or CSF1 injection (five days after SCS; day 17 after CCI), rats were sacrificed, and tissues were collected from some of these animals for IF (n=5 rats/per group; Figure-4B and 4C). |
| ***Experiment IV (Figure 6): To examine effects of SCS on levels of CSF1 in the DRG and dorsal roots (DR) in CCI rats (n=30 rats)***  Naïve rats (n=10); CCI+Sham SCS rats (n=10); CCI+SCS rats (n=10)  Five days after SCS (day 17 after CCI), rats were sacrificed to collect tissues for IF (n=5 rats/per group; Fig-5A and 5B) and WB (n=5 rats/per group; Figure-5E). |

**Supplemental** **Table 1.**

The number of animals used for each experiment and the time points for tissue collection

IF: immunofluorescence study; WB: Western blots; PCR: real-time PCR