



**Supplementary Digital Content 1.** Examples of single wide-dynamic-range neuron responses to electrical stimulation of the corresponding receptive field at baseline, 3 h after carrageenan injection and after spinal application of N-ethylglycine (EG) at indicated concentrations (Panel A to D). Detected action potentials were attributed to the three fiber types according to their stimulus-response latency (A $\beta$  fibers 0-20 ms, A $\delta$  fibers 20-90 ms and C fibers 90-350 ms).