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Authors: Anders Björkman, Andreas Weibull

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## ACCEPTED MANUSCRIPT

Loss of inhibition in ipsilateral somatosensory areas following altered afferent nerve signaling from the hand

Anders Björkman<sup>a</sup> and Andreas Weibull<sup>b</sup>

<sup>a</sup>Department of Hand Surgery and <sup>b</sup>Department of Medical Radiation Physics, Lund University, Skåne University Hospital, Malmö, Sweden.

**Correspondence to:** Anders Björkman, MD, PhD

Department of Translational Medicine -Hand Surgery

Jan Waldenströms g 5

Skåne University Hospital

SE – 20502 Malmö, SWEDEN

Tel: +46 40 336210

FAX: + 46 40 928855

E-mail: anders.bjorkman@med.lu.se; andreas.weibull@med.lu.se

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### **Bulletpoints**

- Stimulation of the hand results in activation of the contralateral S1
- Stimulation of the hand results in inhibition of the ipsilateral S1.
- Altered nerve signaling result in increased activation of the contralateral S1
- Altered nerve signaling result in decreased inhibition of the ipsilateral S1

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