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Neuroscience and Touch after Stroke

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closed (15 November 2022)

Message from the Guest Editor

Dear Colleagues,

One in two people lose the sense of touch after stroke. If we are to address this problem using restorative approaches to rehabilitation, we need to advance our understanding of the neuroscience of touch and how we might help stroke survivors regain a sense of touch using approaches founded on neuroplasticity and learning.

The aim of this special issue is to advance the neuroscience of touch and recovery of somatosensation after stroke. We welcome submissions from pre-clinical and applied fields of research to identify and synthesise core knowledge and approaches to advance the field. Reviews and original research papers on processing of somatosensory information; neuroimaging of touch and somatosensation; neuroplasticity of touch; perceptual learning; impairment of touch, proprioceptive and haptic object recognition after stroke; recovery of somatosensation after stroke; and restorative approaches to rehabilitation are encouraged. Clinical studies and studies that employ neuroimaging, magnetoencephalography and artificial intelligence, to achieve new insights are suited to this Special Issue.

Prof. Dr. Leeanne Carey
Guest Editor

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Message from the Editor-in-Chief

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