## **Accepted Manuscript**

Title: Inflammatory pain by carrageenan recruits low-frequency local field potential changes in the anterior cingulate cortex

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PII: S0304-3940(16)30587-0

DOI: http://dx.doi.org/doi:10.1016/j.neulet.2016.08.016

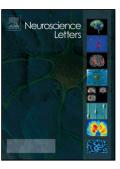
Reference: NSL 32232

To appear in: Neuroscience Letters

Received date: 6-4-2016 Revised date: 9-8-2016 Accepted date: 10-8-2016

Please cite this article as: Amber L.Harris Bozer, Yuan B.Peng, Inflammatory pain by carrageenan recruits low-frequency local field potential changes in the anterior cingulate cortex, Neuroscience Letters http://dx.doi.org/10.1016/j.neulet.2016.08.016

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# ACCEPTED MANUSCRIPT

Inflammatory pain by carrageenan recruits low-frequency local field potential changes in the anterior cingulate cortex

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**Total Number of Pages: 19** 

**Number of Figures:** 3

#### **Highlights**

- Local field potential (LFP) was recorded in the anterior cingulate cortex in freely moving rats
- Inflammatory carrageenan increased delta, theta, and alpha band activity (0-13 Hz)
- Mechanical stimulation on inflamed paw additionally recruited gamma band (13-30 Hz)
- Carrageenan selectively recruited the 0-30 Hz activity in the LFP range

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