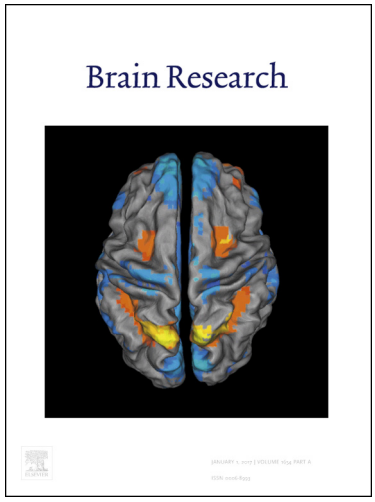

Research report

Neurobiological mechanisms of antiallodynic effect of Transcranial Direct Current Stimulation (tDCS) in a mice model of neuropathic pain

Andressa de Souza, Daniel F. Martins, Liciane Fernandes Medeiros, Catharina Nucci, Thiago César Martins, Aline Siteneski, Wolnei Caumo, Adair Roberto Soares dos Santos, Iraci L.S. Torres

PII: S0006-8993(17)30539-5
DOI: https://doi.org/10.1016/j.brainres.2017.12.005
Reference: BRES 45583

To appear in: *Brain Research*

Received Date: 15 February 2017
Revised Date: 14 September 2017
Accepted Date: 8 December 2017

Please cite this article as: A. de Souza, D.F. Martins, L. Fernandes Medeiros, C. Nucci, T. César Martins, A. Siteneski, W. Caumo, A.R.S. dos Santos, I.L.S. Torres, Neurobiological mechanisms of antiallodynic effect of Transcranial Direct Current Stimulation (tDCS) in a mice model of neuropathic pain, *Brain Research* (2017), doi: https://doi.org/10.1016/j.brainres.2017.12.005

Neurobiological mechanisms of antiallodynic effect of Transcranial Direct Current Stimulation (tDCS) in a mice model of neuropathic pain

Andressa de Souza[a,b,c,f#], Daniel F. Martins[d,#], Liciane Fernandes Medeiros[a,b,c], Catharina Nucci[e], Thiago César Martins[d,e], Aline Siteneski[e], Wolnei Caumo[a,b], Adair Roberto Soares dos Santos[g], Iraci L.S.Torres[a,b,c*].

[a] Pain Pharmacology and Neuromodulation Laboratory: Preclinical Researches – Department of Pharmacology – Institute of Basic Health Sciences (ICBS) – Federal University of Rio Grande do Sul (UFRGS) - Porto Alegre – RS - 90050-170 - Brazil.

[b] Post-Graduate Program in Medicine: Medical Sciences – UFRGS -Porto Alegre – RS - 90035-003 - Brazil.

[c] Animal Experimentation Unit - GPPG - Hospital de Clínicas de Porto Alegre - Porto Alegre – RS –90035-003 - Brazil.

[d] Laboratory of Experimental Neurosciences, Graduate Program in Health Sciences, University of South of Santa Catarina – Palhoça – SC - 88137-270 - Brazil.

[e] Pain and Inflammation Neurobiology Laboratory (LANDI) - Federal University of Santa Catarina (UFSC) - Florianópolis – SC - 88040-900 - Brazil.

[f] Post-Graduate Program in Health and Human Development, Centro Universitário Unilasalle - Canoas – RS – 92010-000 - Brazil.

[#] Both are first authors.

Conflict of Interest: There was no financial interest between any of the authors or any commercial interest in the outcome of this study.