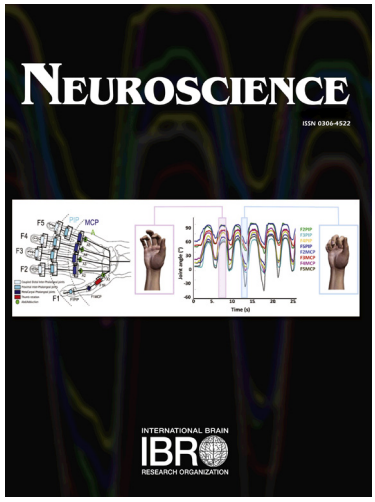
Accepted Manuscript




Research Article

# A single exposure to GSM-1800MHz signals in the course of an acute neuro-inflammatory reaction can alter neuronal responses and microglial morphology in the rat primary auditory cortex

Florian Occelli, Julie Lameth, Victor Adenis, Chloé Huetz, Philippe Lévêque, Thérèse M. Jay, Jean-Marc Edeline, Michel Mallat

PII: S0306-4522(18)30413-5
DOI: https://doi.org/10.1016/j.neuroscience.2018.06.002
Reference: NSC 18491

To appear in: *Neuroscience*

Received Date: 29 December 2017
Revised Date: 10 May 2018
Accepted Date: 1 June 2018

Please cite this article as: F. Occelli, J. Lameth, V. Adenis, C. Huetz, P. Lévêque, T.M. Jay, J-M. Edeline, M. Mallat, A single exposure to GSM-1800MHz signals in the course of an acute neuroinflammatory reaction can alter neuronal responses and microglial morphology in the rat primary auditory cortex, *Neuroscience* (2018), doi: https://doi.org/10.1016/j.neuroscience.2018.06.002

# A single exposure to GSM-1800MHz signals in the course of an acute neuroinflammatory reaction can alter neuronal responses and microglial morphology in the rat primary auditory cortex

Florian Occelli[4]*, Julie Lameth[1]*, Victor Adenis[4], Chloé Huetz[4], Philippe Lévêque[2], Thérèse M. Jay[3], Jean-Marc Edeline[4£] and Michel Mallat[1£]

[1]*Sorbonne Universités, UPMC Univ Paris 06, INSERM , CNRS, Institut du cerveau et de la moelle (ICM), Hôpital Pitié-Salpêtrière, boulevard de l'Hôpital, F-75013, Paris, France;*

[2] Univ. Limoges, CNRS, XLIM, UMR 7252, F-87000 Limoges, France.

[3] INSERM, UMR_S 894, Physiopathologie des Maladies Psychiatriques, Centre de Psychiatrie et Neurosciences*, Université Paris Descartes, Paris, France;*

[4] Paris Saclay Institute of Neuroscience, Neuro-PSI, UMR 9197 CNRS & Université Paris-Sud, Orsay, *France.*

*,£ equal contributions

Correspondance to:
Michel Mallat (email: michel.mallat@upmc.fr) and Jean-Marc Edeline (email: jean-marc.edeline@u-psud.fr)