

Accepted Manuscript

Fractalkine receptor deficiency impairs microglial and neuronal responsiveness to chronic stress

Giampaolo Milior, Cynthia Lecours, Louis Samson, Kanchan Bisht, Silvia Poggini, Francesca Pagani, Cristina Deflorio, Clotilde Lauro, Silvia Alboni, Cristina Limatola, Igor Branchi, Marie-Eve Tremblay, Laura Maggi

PII: S0889-1591(15)00419-5
DOI: <http://dx.doi.org/10.1016/j.bbi.2015.07.024>
Reference: YBRBI 2668

To appear in: *Brain, Behavior, and Immunity*

Received Date: 16 June 2015
Revised Date: 25 July 2015
Accepted Date: 26 July 2015

Please cite this article as: Milior, G., Lecours, C., Samson, L., Bisht, K., Poggini, S., Pagani, F., Deflorio, C., Lauro, C., Alboni, S., Limatola, C., Branchi, I., Tremblay, M-E., Maggi, L., Fractalkine receptor deficiency impairs microglial and neuronal responsiveness to chronic stress, *Brain, Behavior, and Immunity* (2015), doi: <http://dx.doi.org/10.1016/j.bbi.2015.07.024>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Fractalkine receptor deficiency impairs microglial and neuronal responsiveness to chronic stress

Giampaolo Miliore^{1*}, Cynthia Lecours^{2*}, Louis Samson², Kanchan Bisht², Silvia Poggini³,
Francesca Pagani⁴, Cristina DeFlorio^{1,5}, Clotilde Lauro¹, Silvia Alboni⁶, Cristina Limatola^{1,7}, Igor
Branchi^{3#}, Marie-Eve Tremblay^{2#} and Laura Maggi^{1#}

¹*Department of Physiology and Pharmacology, Istituto Pasteur-Fondazione Cenci Bolognetti,
Sapienza University of Rome, Italy*

²*Axe Neurosciences, Centre de recherche du CHU de Québec,
2705, boulevard Laurier, Québec, Canada*

³*Section of Behavioural Neurosciences, Department of Cell Biology and Neurosciences,
Istituto Superiore di Sanità, Rome, Italy*

⁴*Center for Life Nanoscience, Istituto Italiano di Tecnologia@Sapienza, Rome, Italy*

⁵*Département de Neurosciences, Institut Pasteur,
Unité Neurobiologie Intégrative des Systèmes Cholinergiques, Paris Cedex 15, Paris, France*

⁶*Department of Life Sciences, University of Modena and Reggio Emilia, Modena, Italy*

⁷*IRCCS Neuromed, Pozzilli, IS, Italy*

** these authors equally contributed as first author*

these authors equally contributed as last author

Running head: microglia control brain responses to chronic stress

Keywords: microglia, fractalkine receptor, chronic stress, environment, life events, major depression, phagocytosis, plasticity, LTP, differential susceptibility

Correspondence to:

Marie-Eve Tremblay
Axe Neurosciences
Centre de recherche du CHU de Québec
2705, boulevard Laurier
Québec, QC G1V 4G2 Canada

Tel.: 1-418-525-4444, ext. 46379

Fax: 1-418-654-2125

Email: tremblay.marie-eve@crchudequebec.ulaval.ca

Download English Version:

<https://daneshyari.com/en/article/7280325>

Download Persian Version:

<https://daneshyari.com/article/7280325>

[Daneshyari.com](https://daneshyari.com)