

Accepted Manuscript

Functional partnership between mGlu3 and mGlu5 metabotropic glutamate receptors in the central nervous system

Luisa Di Menna, Max E. Joffe, Luisa Iacovelli, Rosamaria Orlando, Craig W. Lindsley, Jérôme Mairesse, Pierre Gressèns, Milena Cannella, Filippo Caraci, Agata Copani, Valeria Bruno, Giuseppe Battaglia, P. Jeffrey Conn, Ferdinando Nicoletti

PII: S0028-3908(17)30493-8

DOI: [10.1016/j.neuropharm.2017.10.026](https://doi.org/10.1016/j.neuropharm.2017.10.026)

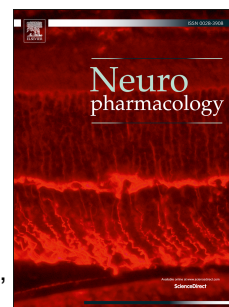
Reference: NP 6911

To appear in: *Neuropharmacology*

Received Date: 25 May 2017

Revised Date: 9 October 2017

Accepted Date: 21 October 2017



Please cite this article as: Di Menna, L., Joffe, M.E., Iacovelli, L., Orlando, R., Lindsley, C.W., Mairesse, Jè., Gressèns, P., Cannella, M., Caraci, F., Copani, A., Bruno, V., Battaglia, G., Conn, P.J., Nicoletti, F., Functional partnership between mGlu3 and mGlu5 metabotropic glutamate receptors in the central nervous system, *Neuropharmacology* (2017), doi: 10.1016/j.neuropharm.2017.10.026.

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.

Functional partnership between mGlu3 and mGlu5 metabotropic glutamate receptors in the central nervous system

Luisa Di Menna^{1*}, Max E. Joffe^{2*}, Luisa Iacovelli^{3*}, Rosamaria Orlando³, Craig W. Lindsley², Jérôme Mairesse⁴, Pierre Gressens^{4,5}, Milena Cannella¹, Filippo Caraci^{6,7}, Agata Copani^{6,8}, Valeria Bruno^{1,3}, Giuseppe Battaglia¹, P. Jeffrey Conn^{2#}, Ferdinando Nicoletti^{1,3#}

¹I.R.C.C.S. Neuromed, 86077 Pozzilli, Italy; ²Vanderbilt Center for Neuroscience Drug Discovery, Vanderbilt University Medical Center, Nashville, TN 37232-0697, USA; ³Department of Physiology and Pharmacology, University Sapienza of Roma, 00185 Roma, Italy; ⁴PROTECT, INSERM, Université Paris Diderot, Sorbonne Paris Cité, 1141 Paris, France; ⁵Centre for the Developing Brain, Department of Perinatal Health and Imaging, Division of Imaging Sciences and Biomedical Engineering, King's College London, King's Health Partners, St. Thomas' Hospital, London SE1 7EH, United Kingdom; ⁶Department of Drug Sciences, University of Catania, 95125 Catania, Italy; ⁷I.R.C.C.S. Oasi Maria SS, 94018 Troina, Italy; ⁸Institute of Biostructure and Bioimaging, National Research Council, 95126 Catania, Italy.

*Co-first Authors #Co-last Authors

Key words: Metabotropic glutamate receptors; polyphosphoinositide hydrolysis; synaptic plasticity; receptor-receptor cross-talk; neurodevelopment; long-term depression; neuronal death; G-protein $\beta\gamma$ subunits.

Address all correspondence to:

Ferdinando Nicoletti, MD,
Department of Physiology and Pharmacology,
University Sapienza of Roma,
Piazzale Aldo Moro, 5,
00185 Roma,
Italy
Tel.: +39-06-49912969
Fax: +39-0865-927575
E-mail: ferdinandonicoletti@hotmail.com

Download English Version:

<https://daneshyari.com/en/article/8517542>

Download Persian Version:

<https://daneshyari.com/article/8517542>

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