

Accepted Manuscript

Mouse chronic social stress increases blood and brain kynurenine pathway activity and fear behaviour: both effects are reversed by inhibition of indoleamine 2,3-dioxygenase

René Fuertig, Damiano Azzinnari, Giorgio Bergamini, Flurin Cathomas, Hannes Sigrist, Erich Seifritz, Stefano Vavassori, Andreas Luippold, Bastian Hengerer, Angelo Ceci, Christopher R Pryce

PII: S0889-1591(15)30082-9
DOI: <http://dx.doi.org/10.1016/j.bbi.2015.12.020>
Reference: YBRBI 2772

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

Received Date: 24 July 2015
Revised Date: 16 December 2015
Accepted Date: 23 December 2015

Please cite this article as: Fuertig, R., Azzinnari, D., Bergamini, G., Cathomas, F., Sigrist, H., Seifritz, E., Vavassori, S., Luippold, A., Hengerer, B., Ceci, A., Pryce, C.R., Mouse chronic social stress increases blood and brain kynurenine pathway activity and fear behaviour: both effects are reversed by inhibition of indoleamine 2,3-dioxygenase, *Brain, Behavior, and Immunity* (2015), doi: <http://dx.doi.org/10.1016/j.bbi.2015.12.020>

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.



Mouse chronic social stress increases blood and brain kynurenine pathway activity and fear behaviour: both effects are reversed by inhibition of indoleamine 2,3-dioxygenase

Running title: Mouse stress, kynurenines and fear behaviour

René Fuertig¹, Damiano Azzinnari^{2,4}, Giorgio Bergamini^{2,4}, Flurin Cathomas^{2,3}, Hannes Sigrist², Erich Seifritz^{3,4}, Stefano Vavassori⁵, Andreas Luippold⁶, Bastian Hengerer¹, Angelo Ceci¹, Christopher R Pryce^{2,4}

¹ CNS Diseases Research Germany, Boehringer Ingelheim Pharma GmbH & Co. KG., Biberach, Germany

² Preclinical Laboratory for Translational Research into Affective Disorders, Department of Psychiatry, Psychotherapy and Psychosomatics, Psychiatric Hospital, University of Zurich, Switzerland

³ Department of Psychiatry, Psychotherapy & Psychosomatics, Psychiatric Hospital, University of Zurich, Switzerland

⁴ Neuroscience Center, University and ETH Zurich, Switzerland

⁵ Pediatric Immunology, University Children's Hospital Zurich, Switzerland

⁶ Drug Discovery Support, Boehringer Ingelheim Pharma GmbH & Co. KG., Biberach, Germany

Corresponding author: Prof. Christopher Pryce, PLaTRAD, Department of Psychiatry, Psychotherapy & Psychosomatics, Psychiatric Hospital, University of Zurich, August Forel-Strasse 7, CH-8008 Zürich, Switzerland; Tel: +41 (0)44 634 8921; christopher.pryce@bli.uzh.ch

Download English Version:

<https://daneshyari.com/en/article/7280429>

Download Persian Version:

<https://daneshyari.com/article/7280429>

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