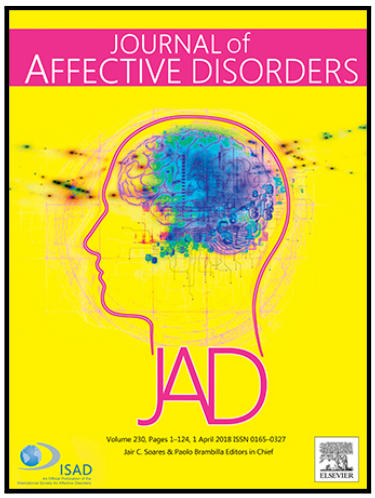

The impact of COMT polymorphisms on cognition in Bipolar Disorder: a review

A. Pigoni , M. Lazzaretti , G.M. Mandolini , G. Delvecchio , A.C. Altamura , J.C. Soares , P. Brambilla

PII: S0165-0327(18)30911-X
DOI: https://doi.org/10.1016/j.jad.2018.08.009
Reference: JAD 10006

To appear in: *Journal of Affective Disorders*

Received date: 27 April 2018
Revised date: 24 July 2018
Accepted date: 6 August 2018

Please cite this article as: A. Pigoni , M. Lazzaretti , G.M. Mandolini , G. Delvecchio , A.C. Altamura , J.C. Soares , P. Brambilla , The impact of COMT polymorphisms on cognition in Bipolar Disorder: a review, *Journal of Affective Disorders* (2018), doi: https://doi.org/10.1016/j.jad.2018.08.009

Highlights

- This review summarizes the results from genetic studies that investigated COMT cognitive modulation in BD.
- In BD, COMT polymorphisms regulate cognitive domains, including working memory and executive functions.
- The basal level of dopamine interact with mood swings and antipsychotics therapies in determining cognitive performances.