

Publication

A Comprehensive Review on the Role of Non-Coding RNAs in the Pathophysiology of Bipolar Disorder

JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

ID 4621952

Author(s) Ghafouri-Fard, Soudeh; Badrlou, Elham; Taheri, Mohammad; Dürsteler, Kenneth M.; Beatrix Brühl, Annette; Sadeghi-Bahmani, Dena; Brand, Serge

Author(s) at UniBasel [Brand, Serge](#) ;

Year 2021

Title A Comprehensive Review on the Role of Non-Coding RNAs in the Pathophysiology of Bipolar Disorder

Journal International Journal of Molecular Sciences

Volume 22

Number 10

Pages / Article-Number 5156

Keywords bipolar disorder; circRNA; lncRNA; miRNA

Mesh terms Animals; Bipolar Disorder, physiopathology; Humans; RNA, Untranslated, genetics

Bipolar disorder is a multifactorial disorder being linked with dysregulation of several genes. Among the recently acknowledged factors in the pathophysiology of bipolar disorder are non-coding RNAs (ncRNAs).; We searched PubMed and Google Scholar databases to find studies that assessed the expression profile of miRNAs, lncRNAs and circRNAs in bipolar disorder.; Dysregulated ncRNAs in bipolar patients have been enriched in several neuron-related pathways such as GABAergic and glutamatergic synapses, morphine addiction pathway and redox modulation.; Altered expression of these transcripts in bipolar disorder provides clues for identification of the pathogenesis of this disorder and design of targeted therapies for the treatment of patients.

Publisher MDPI

ISSN/ISBN 1661-6596 ; 1422-0067

edoc-URL <https://edoc.unibas.ch/83859/>

Full Text on edoc Available;

Digital Object Identifier DOI 10.3390/ijms22105156

PubMed ID <http://www.ncbi.nlm.nih.gov/pubmed/34068138>

ISI-Number WOS:000661981800001

Document type (ISI) Review