

Epigenetic regulation of BDNF-TrkB signaling in the pathophysiology and treatment of mood disorders

Citation for published version (APA):

Boulle, F. (2013). *Epigenetic regulation of BDNF-TrkB signaling in the pathophysiology and treatment of mood disorders*. [Doctoral Thesis, Maastricht University]. Uitgeverij BOXPress. <https://doi.org/10.26481/dis.20131129fb>

Document status and date:

Published: 01/01/2013

DOI:

[10.26481/dis.20131129fb](https://doi.org/10.26481/dis.20131129fb)

Document Version:

Publisher's PDF, also known as Version of record

Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

[Link to publication](#)

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

www.umlib.nl/taverne-license

Take down policy

If you believe that this document breaches copyright please contact us at:

repository@maastrichtuniversity.nl

providing details and we will investigate your claim.

Download date: 08 Aug. 2024

STATEMENTS

Belonging to the PhD thesis

Epigenetic regulation of BDNF-TrkB signaling in the pathophysiology and treatment of mood disorders

Fabien Boulle

Maastricht, 29th of November 2013

1 – The downregulation of BDNF-TrkB signaling in neuronal cells can leave stable epigenetic imprints on plasticity-related genes. (*this thesis*)

2 – Exposure to selective serotonin reuptake inhibitors (SSRIs) during early life can produce behavioral and neurobiological alterations that are persistent into adulthood. (*this thesis*)

3 – Repetitive stress of low intensity can induce diverse epigenetic modifications in the mouse hippocampus concomitant with a hyperactive phenotype. (*this thesis*)

4 – Neurotrophic signaling and associated neuroplasticity are necessary for the anxiolytic action of agomelatine. (*this thesis*)

5 – The vulnerability for behavioral disturbances in rats is highly gender dependent. (*this thesis*)

6 – “Research is to see what everybody else has seen, and to think what nobody else has thought.” (*Albert Szent-Gyorgyi*)

7 – “It is this potential for plasticity of the relatively stereotyped units of the nervous system that endows each of us with our individuality.” (*Eric R. Kandel*)

8 – “No amount of experimentation can ever prove me right; a single experiment can prove me wrong.” (*Albert Einstein*)

9 – An experiment that fails is nothing more than an experiment that needs further optimization.