

## Declaration of independent work

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I, Rémy Beugnon, hereby affirm that I take note and accept the doctorate regulations of the Faculty of Biosciences, Pharmacy and Psychology of the University of Leipzig from the 30<sup>th</sup> of September 2019.

I further affirm that the presented thesis was prepared autonomously without inadmissible help. All aids used in this thesis as well as scientific ideas which are quoted from or based on other sources were cited at the respective point.

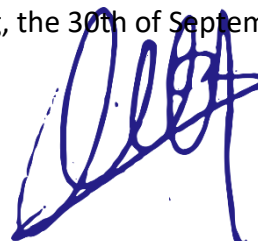
All people who helped me to prepared the conception, to select and analyze the materials of this thesis as well as to improve the manuscript are namely cited in the acknowledgments. With exception of the namely mentioned people no other persons were involved in the intellectual work. No Ph.D. consultant service was employed. Third parties did not get money's worth for benefits that were in conjunction with the content of this dissertation.

I declare that this dissertation has been neither presented nationally nor internationally in its entirety or in parts to any institution for the purpose of dissertation or other official or scientific examination and/or publishing.

Previously unsuccessful dissertations had not taken place.

The original document of the verification of the co-authors' parts are deposited in the office of the dean.

Leipzig, the 30<sup>th</sup> of September 2021

A handwritten signature in blue ink, consisting of several loops and a long vertical stroke extending downwards.