

Brain serotonin throughout development-for better and for worse

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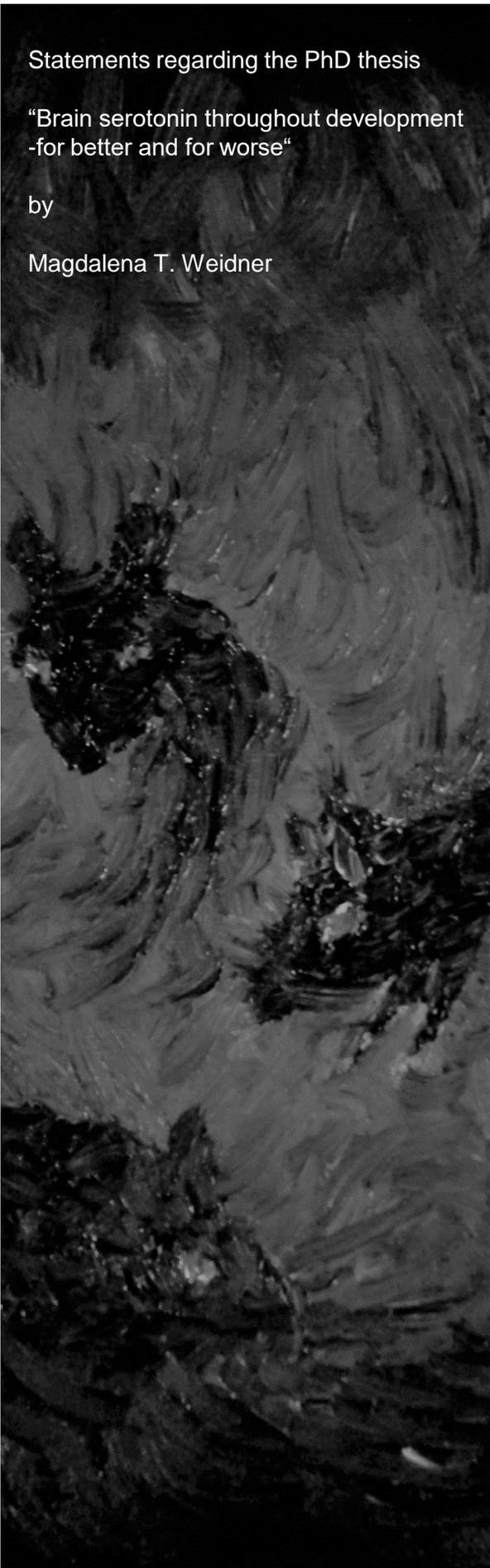
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Statements regarding the PhD thesis

“Brain serotonin throughout development
-for better and for worse“

by

Magdalena T. Weidner

1

Serotonin represents a distinctive modulator of developmental programming in response to early adversity. (this Thesis)

2

The epigenetic regulation of gene expression is a multi-level process that has to be seen in the context of life events and genetic predisposition. (this Thesis)

3

Serotonin deficiency-induced hyperactivity is dependent on sex and experimental context. (this Thesis)

4

The hormone and neuropeptide *cholecystokinin*, which has been associated with anxiety-related behaviours, represents a promising candidate for serotonin-dependent, epigenetic regulation by early-life events. (this Thesis)

5

Genetics is often misinterpreted, because the broader context of epigenetic information is missing.

6

There is no free will but only neurochemistry.

7

In psychiatric research, there is a clear gap between what we know and the questions we deduce from this knowledge and all of it is owed to accounting.

8

A more profound understanding for molecular processes that are underlying mental disease and their specificity for concomitants will represent first steps towards personalized medicine. (Valorisation of this Thesis)

9

Ein guter Wissenschaftler ist, wer mehr Fragen als Antworten hat.

A good scientist poses more questions than he answers.

10

Wer ein Warum zu leben hat, erträgt fast jedes Wie.

Those who have a 'why' to live, can bear with almost any 'how'.

(Viktor E. Frankl, Man's Search for Meaning; adapted from Friedrich Nietzsche, Götzen-Dämmerung)