

## Thesis Propositions

### **On the myelination of GABAergic interneurons**

Jeffrey Stedehouder

#### Propositions:

1. A large proportion of cerebral cortex myelin surrounds fast-spiking, parvalbumin-positive interneurons.
2. A very high proportion of parvalbumin-positive interneurons is myelinated in the cerebral cortex of adult mice and humans.
3. Parvalbumin-positive interneuron myelination is dynamically regulated by neuronal activity.
4. Axonal morphology is a major determinant of cortical interneuron myelination.
5. Myelination of GABAergic interneurons could potentially play a role in schizophrenia pathophysiology.
6. To study schizophrenia means to study that which makes us human.
7. To truly unravel neurobiology of complex disorders, animal research will continue to remain superior over *in vitro* models or computational models. Effort should be made to protect the continued existence of animal research.
8. The modern system of scientific publication is deeply flawed.
9. In current neuroscience, the balance of scientific publication has wrongfully shifted to quantity over quality.
10. 定石を覚えて二子弱くなり  
*Learning jōseki loses two stones*  
- Go proverb
11. “Papers are our food”  
- Prof. dr. Steven Kushner