

Novel insights towards memory restoration

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Statements

Belonging to the PhD thesis

Novel insights towards memory restoration

Sarah-Anna Heschem

1. The treatment of psychiatric disorders has entered a new era with advances in neuromodulation technology. (This thesis)
2. Data suggests that deep brain stimulation of the fornix is most beneficial for patients who are less severely affected. (This thesis)
3. Preclinical research is an important tool for accelerating and validating clinical applications of deep brain stimulation. (This thesis – valorization addendum)
4. Experimental deep brain stimulation of the fornix in scopolamine-induced rat model of memory impairment is able to restore memory loss possibly through increased acetylcholine levels in the hippocampus. (This thesis)
5. Long-term memory effects of experimental deep brain stimulation of the fornix are independent of hippocampal neurogenesis. (This thesis)
6. The science of today is the technology of tomorrow. (Edward Teller)
7. Experiments are the only means of knowledge at our disposal. The rest is poetry, imagination. (Max Planck)
8. Success is the ability to go from one failure to another with no loss of enthusiasm. (Winston Churchill)
9. It always seems impossible until it's done. (Nelson Mandela)