

Mapping the influence of social threat in the brain

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PROPOSITIONS OF THE THESIS

MAPPING THE INFLUENCE OF SOCIAL THREAT IN THE BRAIN FROM ACTION OBSERVATION TO BODY OWNERSHIP

Tahnée Engelen

1. The processing of whole body expressions of threat involves brain areas related to the observation and preparation of actions
2. Forming adaptive responses when confronted with whole body expressions of threat involves a dynamic network of areas, including the amygdala
3. Our sense of bodily ownership can be altered through emotions perceived in our surroundings
4. Outcome measures of TMS stimulation display large variability, caused by intra- and interindividual differences
5. Multimodal combinations of neuro-imaging and stimulation methods can shed new light on old ideas
6. Duct tape is a scientist's best friend
7. We need to move towards using individual differences as a tool to understand our data, rather than as noise to be filtered out
8. Uncovering sources of variability underlying TMS responsivity will help individualize treatment, and thereby increase effectiveness
9. "Did I make some mistakes? Yes. Did I only make mistakes? Yes. But did it all work out? Kind of." - Dirk Gently's holistic detective agency
10. "Whether you take the doughnut hole as a blank space or as an entity unto itself is a purely metaphysical question and does not affect the taste of the doughnut one bit" - Haruki Murakami