

# ONWAR Cognitive Neuroscience Course 2021

*Location: Netherlands Institute for Neuroscience (NIN); 2<sup>nd</sup> floor 'colloquium zaal' (symposium room).*

*Course Organizer:*

Dr. Matthew Self

[m.self@nin.knaw.nl](mailto:m.self@nin.knaw.nl)

*Program Overview*

## **Monday 11<sup>th</sup> October: Preparation Day**

You will receive literature relevant to the course. You can use this day to prepare for the upcoming lectures and download the data necessary for the practicals.

## **Tuesday 12<sup>th</sup> October: Netherlands Institute for Neuroscience: 9.30-17.30.**

Perception, attention and working memory

## **Wednesday 13<sup>th</sup> October: Netherlands Institute for Neuroscience: 9.30-17.30.**

Learning & Memory, Decision Making and Cognitive Disorders.

## **Thursday 14<sup>th</sup> October: Netherlands Institute for Neuroscience: 9.30-17.00.**

Social cognition. Practical.

Primate Training practical.

EEG practical OR TMS practical.

*EEG practical:*

---

## Tuesday 12<sup>th</sup> October

Perception, attention and working memory

9.30–10.30 **Dr. Matthew Self** *“Introduction to the course, perception”*

10.30–11.30 **Dr. Matthew Self** *“Introduction to the course, attention”*

*Lunch*

13.00–14.00 **Dr. Freek van Ede** *“And... action: preparing the future through visual working memory”*

14.00–15.00 **Dr. Tomas Knapen** *“Title to be confirmed”*

15.30–16.30 **Dr. Matthew Self** *“Studying attention with fMRI and EEG”*

16.30–17.30 **Dr. Wouter van de Bos** *“Computational Reinforcement Learning and the Brain”*

## Wednesday 13<sup>th</sup> October

Learning & Memory, Decision Making and Cognitive Disorders.

9.30–10.30 **Dr. Matthew Self** *“Intracranial recordings from the Human Hippocampus”*

10.30–11.30 **Dr. Birte Forstman** *“Model-based cognitive neuroscience and human sub-cortex”*

*Lunch*

13.00–14.00 **Dr. Freyja Ólafsdóttir** *“Role of hippocampal replay in memory and planning”*

14.00–15.00 **Dr. Ysbrand van der Werf** *“Parkinson’s disease”*

15.30–16.30 **Dr. Xing Chen** *“Neuroprostheses for restoration of function”*

16.30–17.30 **Dr. Willem de Haan** *“Brain network dynamics and Alzheimer’s disease”*

## Thursday 14<sup>th</sup> October

Social Cognition and Neural Economics

9.30–10.30 **Dr. Christian Keysers** *“The Empathic Brain”*

10.30–11.30 **Dr. Jan Engelmann** *“The effect of anxiety on trust and social cognition: the role of left TPJ” [Please wear a mask for this lecture]*

*Lunch*

13.00-14.00 Primate practical: Training an awake-behaving human.

14.00-17.00 EEG practical (**Sebastian Speer**) OR TMS practical (**Helena Hartmann**)