

# INFORMATION

# TMS WORKSHOP

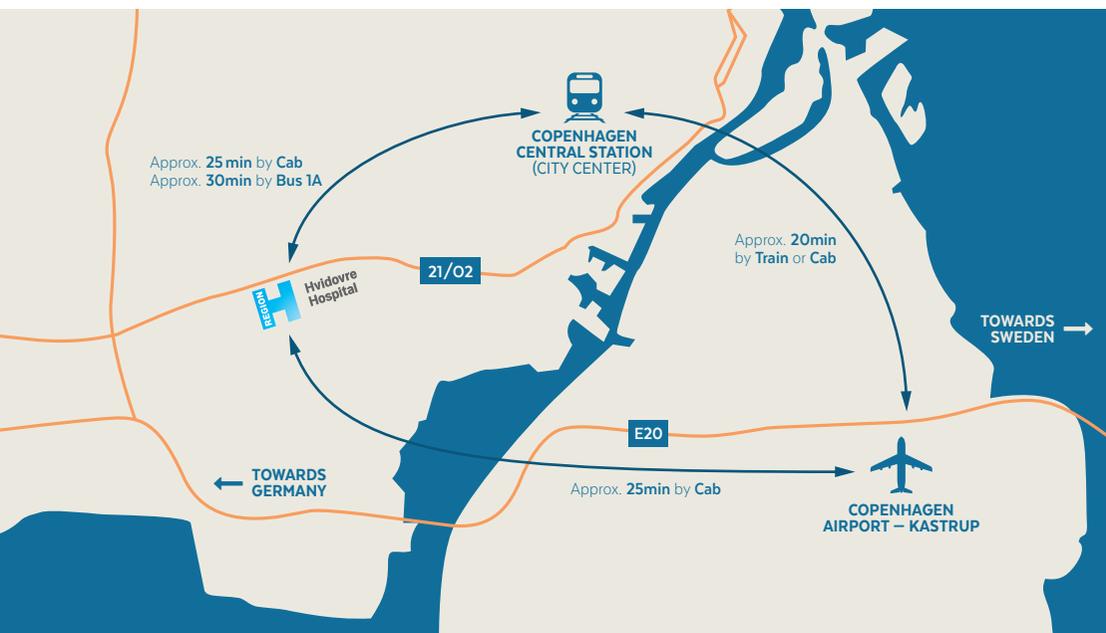
[ TRANSCRANIAL MAGNETIC STIMULATION ]

<b>Address</b>	DRCMR Copenhagen University Hospital Hvidovre Kettegard Alle 30 DK-2650 Hvidovre
<b>Date</b>	22-24 November 2017
<b>Price</b>	€ 490 (Students € 245)
<b>Number of participants</b>	30 maximum
<b>Info &amp; Registration</b>	tmsworkshop@drcmr.dk
<b>Faculty</b>	Prof. Hartwig Siebner Ass. Prof. Axel Thielscher Dr. Anke Karabanov Janine Kesselheim, M.Sc. Morten Gørtz Jønsson, Cand.Psych.
<b>Transport</b>	See below & plan your trip to Hvidovre Hospital via public transport on <a href="http://rejseplanen.dk">rejseplanen.dk</a>

22–24 NOVEMBER 2017 | **DRCMR**  
COPENHAGEN UNIVERSITY HOSPITAL HVIDOVRE



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# OVERVIEW

The intensive three-day workshop will provide participants with in-depth knowledge on the use of transcranial magnetic stimulation (TMS) in neuroscience. The course will discuss a wide range of basic and advanced topics, covering the basic physical and physiological principles of TMS as well as a wide range of cognitive applications. A special focus will be put on multimodal combinations of TMS with other neuroimaging techniques (EEG-TMS, fMRI-TMS). The registration fee includes coffee/tea, light lunches and a social dinner.

## THE COURSE INCLUDES

- » Keynote Lectures 
- » Hands-on Sessions 
- » Focus on scientific TMS applications and multimodal integration (TMS-EEG, TMS-fMRI)
- » Individual feedback session on planned experiments 



# WORKSHOP PROGRAM

## BASICS – Wednesday, November 22<sup>nd</sup>

- 08:00 Registration
-  08:30 Keynote I – Physics and Biophysics of TMS
-  09:15 Keynote II – Neurophysiological Principles of TMS
- 10:00 *Coffee break*
-  10:15 Keynote III – Brain Networks: Bridging Structure and Function
-  11:00 Keynote IV – Best Lab Practice and TMS Safety
-  11:45 Panel – Group Discussion & Wrap-up
- 12:30 *Lunch*
-  13:15 Hands-on Session I – Basic MEP Measures
- 14:45 *Coffee break*
-  15:00 Hands-on Session II – TMS Field Calculations

## APPLICATIONS – Thursday, November 23<sup>rd</sup>

-  08:30 Keynote I – TMS: Closing the Loop Between Brain and Behavior
-  09:15 Keynote II – Modulating Neural Activity ‘Offline’
- 10:00 *Coffee break*
-  10:15 Keynote III – Modulating Neural Activity ‘Online’
-  11:00 Keynote IV – Therapeutic Perspectives in Neurology
-  11:45 Panel – Group Discussion & Wrap-up
- 12:30 *Lunch*
-  13:15 Hands-on Session I – Neuronavigation
- 14:45 *Coffee break*
-  15:00 Hands-on Session II – Robotic TMS

## APPLICATIONS & MULTIMODAL – Friday, November 24<sup>th</sup>

-  08:30 Keynote I – Multimodal TMS: An Overview
-  09:15 Keynote II – Principles of TMS-EEG
- 10:00 *Coffee break*
-  10:15 Keynote III – Therapeutic Perspectives in Psychiatry
-  11:00 Keynote IV – New Frontiers in TMS
-  11:45 *Panel Lunch – Wrap-up and Individual Experiment Feedback*
-  13:15 Hands-on Session I – Practicals in TMS-EEG
- 14:45 *Coffee break*
-  15:00 Hands-on Session II – EEG informed TMS