

BENE BRAIN STIMULATION CONFERENCE

THURSDAY
26 NOVEMBER

AGENDA

Time	Activity		
9:00	Registration Opens		
9:30	Words of welcome with Philip van Eijndhoven		
	ROOM 1 (ZAAL 4)	ROOM 2 (ZAAL 6)	ROOM 3 - CLINICAL TRACK*
9:45	Keynote 1: Gesa Hartwigsen		
10:30	Coffee break		
11:00	Symposium 1	Symposium 2	Workshops
12:30	Lunch		
13:30	Keynote 2: Friedhelm Hummel		
14:15	Free communications 1	Free communications 2	Update new consensus paper
15:00	Coffee break		
15:30	Symposium 3	Symposium 4	
17:00	Reception and poster session - until 18:30		
19:30	Conference dinner (preregistration)		

**Sessions are in Dutch, workshops are in room Nickelodeon, update consensuspaper is in room Lumiere*

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FRIDAY
27 NOVEMBER

AGENDA

Time	Activity		
8:30	Board meeting (Foundation members only)		
9:30	Registration opens		
	ROOM 1 (ZAAL 4)	ROOM 2 (ZAAL 6)	ROOM 3 - CLINICAL TRACK*
10:00	Keynote 3: Bart Nuttin		
10:45	Coffee break		
11:15	Symposium 5	Symposium 6	Workshops
12:45	Lunch		
13:45	Free communications 3	Free communications 4	FAQ Session
14:30	Coffee break		
15:00	Keynote 4: Anna-Katherine Brem		
15:45	Closing and poster awards		
16:15	See you next year at the 6 th edition of BeNe!		

**Sessions are in Dutch, workshops are in room Nickelodeon, update consensuspaper is in room Lumiere*

KEYNOTES

THURSDAY	ROOM 1
GESA HARTWIGSEN: Flexible adaptation during cognition – insights from NIBS & fMRI	9:45
FRIEDHELM HUMMEL: Orchestrating the Brain: Neuromodulation Strategies to Enhance Motor and Cognitive Functions	13:30
FRIDAY	ROOM 1
BART NUTTIN: Deep brain stimulation for psychiatric disorders	10:00
ANNA-KATHERINE BREM: To be disclosed	15:00

FREE COMMUNICATIONS

THURSDAY FREE COMMUNICATIONS 1	ROOM 1 14:15
Tjardo Postma: White Matter Correlates of Repetitive Transcranial Magnetic Stimulation Combined with Exposure and Response Prevention Therapy in Obsessive-Compulsive Disorder Marlieke Silvertand: rTMS in Adolescents with Treatment-Resistant Depression and Suicidal Ideation: From Systematic Evidence to Clinical Practice	
FREE COMMUNICATIONS 2	ROOM 2 14:15
Haorun Huang: Disentangling Central and Peripheral Pathways in Cerebellar Focused Ultrasound Neuromodulation Robin Gerrits: Hemispheric dominance as a source of between-subject variability in short-term TMS responses	
FRIDAY FREE COMMUNICATIONS 3	ROOM 1 13:45
Stefanie De Smet: Brain states shape resting-state functional connectivity and working memory following prefrontal theta-burst stimulation Dagmar Timmers: Comparison of Motor Threshold Determination Methods in TMS and Their Impact on Stimulation Discomfort	
FREE COMMUNICATIONS 4	ROOM 2 13:45
Imke Molenaar: Reduction of oscillatory natural frequency in right dorsolateral prefrontal cortex in patients with Bipolar Depression Annel Koomen: Transient verbal episodic memory impairment induced by gamma tACS in pre-dementia Alzheimer’s disease	

CLINICAL TRACK

THURSDAY WORKSHOPS – Registration required Threshold determination, OFC TMS, best-practice, heart-brain coupling & tES	ROOM Nickelodeon 11:00
UPDATE NEW CONSENSUS PAPER The most important changes from the soon to be published update of the consensus-paper on rTMS in depression will be discussedc	ROOM Lumiere 14:15
FRIDAY WORKSHOPS – Registration required Threshold determination, OFC TMS, best-practice, heart-brain coupling & tES	ROOM Nickelodeon 11:15
FAQ SESSION Frequently asked questions and case presentations will be discussed	ROOM Lumiere 13:45

ROOM 1: Zaal 4 | ROOM 2: Zaal 6

SYMPOSIUMS

THURSDAY	
SYMPOSIUM 1: FROM NEUROPHYSIOLOGY TO TREATMENT: BRAIN STIMULATION FOR BIPOLAR DEPRESSION	ROOM 1 11:00
Chair: Eva Oostra Urmi Pahladsingh: aiTBS as treatment for Bipolar Depression – a systematic review Emile d’Angremont: Left-sided Inhibition Deficits and right-sided Hyperexcitability in Treatment Resistant Bipolar Depression – a TMS-EEG study Eva Oostra: First results of a Dutch randomized clinical trial investigating 1Hz rTMS for treatment resistant bipolar depression – the T-BIDE study	
SYMPOSIUM 2: REACHING THE DEEP BRAIN WITH NON-INVASIVE BRAIN STIMULATION	ROOM 2 11:00
Chair: Inge Leunissen Bettina C. Schwab: Neural Entrainment by tACS in Humans: Evidence from Downstream Recordings Inge Leunissen: Cortical beta stimulation of preSMA entrains subthalamic activity during deep brain stimulation surgery in Parkinson’s disease Myles Mc Laughlin: Transcranial Focused Ultrasound for Non Invasive Modulation of Deep Cerebellar Circuits: Insights from Animal Models to Human Studies Jelena Trajkovic: Testing target-specific modulation of attentional and motor oscillatory networks with transcranial focused ultrasound	
SYMPOSIUM 3: OPTIMIZING RTMS IN DEPRESSION: MECHANISMS, EFFICACY, AND PREDICTION	ROOM 1 15:30
Chair: Philip van Eijndhoven Iris Dalhuisen: Enhancing effect of cognitive interventions on non-invasive brain stimulation for depression and depressive symptoms: A systematic review Marloes Wurkum: Characterization of TMS-evoked potentials in healthy and depressed adults Tom Biemans: Comparing The Clinical Efficacy of 5-day Multi Daily Neuronavigated iTBS vs. Standard rTMS in Treatment-Resistant Depression: Results from the Dutch Depression Outcome Trial Katinka Coenen: Identifying and Predicting Longitudinal Trajectories in Patients with Treatment-Resistant Depression during Repetitive Transcranial Magnetic Stimulation	
SYMPOSIUM 4: RHYTHM OF REMEMBERING: USING NONINVASIVE TRANSCRANIAL ALTERNATING CURRENT STIMULATION TO MODULATE HUMAN MEMORY IN HEALTH AND DISEASE	ROOM 2 15:30
Chair: Vincent van de Ven Tuba Aktürk: The after-effects of tACS on EEG brain oscillations and episodic memory Yuejuan Wang: Frequency-specific tACS modulation of hippocampal-cortical connectivity Willem de Haan: Tuning brain networks to support memory: Non-invasive brain stimulation in Alzheimer’s disease Miles Wischniewski: Prefrontal theta phase organizes working memory performance during combined TMS–tACS	
FRIDAY	
SYMPOSIUM 5: DEEP BRAIN AND PERIPHERAL NEUROSTIMULATION IN EXPERIMENTAL AND CLINICAL NEUROPSYCHIATRY	ROOM 1 11:15
Chair: Laura Luyten Laura Luyten & Boateng Asamoah: Occipital nerve stimulation effects on encoding and consolidation of passive avoidance learning in rats Valentina Jelinčić: The effects of peripheral nerve stimulation on fear acquisition, extinction and avoidance learning: a cross-species systematic review Tatyana Branco Nunes: A novel self-report instrument for assessing deep brain stimulation-related experiences in obsessive-compulsive disorder Veerle Visser-Vandewalle: Thalamo-frontal functional connectivity patterns in Tourette syndrome as a potential biomarker for closed-loop DBS	
SYMPOSIUM 6: APPLICATIONS OF ELECTRIC FIELD MODELING IN NON-INVASIVE BRAIN STIMULATION	ROOM 2 11:15
Chair: Stefanie De Smet Julia Meijer: The potential role of electric field magnitude in the relation between age and ECT cognitive side effects Beatriz Cavendish: Effect of E-field magnitude on antidepressant effectiveness and cognitive side effects in MST vs. ECT Sybre Van Hoornweder: Wanted or Not: Modeling Cranial Nerve Recruitment in Neuromodulation Qinyuan Chen: Individualized Target Engagement in aiTBS for Major Depression: Linking Electric Field Modeling, Structural Connectivity, and Clinical Outcome	



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