FRIDAY, JUNE 3, 2022

08.30 – 09.00
OPENING CEREMONY

09.00 – 10.15
SYMPOSIUM
DEEP –TMS IN CLINICAL PRACTICE: NEW INSIGHTS

CHAIRS
Igor Filipčić & Abraham Zangen

ABRAHAM ZANGEN, U ALYAGON, A.TENDLER, M GEORGE, Jerusalem, Israel
Should lateral or Medial prefrontal stimulation be used to treat MDD?

MAAYAN HAREL & MARKUS HEILIG, Linköping, Sweden
Deep TMS in Alcohol Dependence: A Randomized, Double-Blind, Sham-Controlled Proof-of-Concept Trial with Brain Imaging

ENA IVEZIĆ & IVANA BAHUN, Zagreb, Croatia
Effects of deep and r-TMS on neurocognitive functioning in MDD patients

IGOR FILIPČIĆ & IVONA FILIPČIĆ, Zagreb, Croatia
Negative symptoms in SCH patients treated with Deep-TMS, H7 coil

10.15 – 10.30
Q&A

10.30 – 11.15
KEYNOTE SPEAKER
ALBINO OLIVEIRA-MAIA, Lisbon, Portugal
rTMS for old-age depression

11.15 – 11.45
COFFEE BREAK

11.45 – 13.00
SYMPOSIUM
LIMITING AND OPTIMISABLE CONDITIONS IN RTMS OF DEPRESSION AND OTHER MENTAL DISEASES

CHAIRS
Jerome Brunelin & Virginie Moulier

MARTIN SCHECKLMANN, Regensburg, Germany
Influence of TMS, clinical and demographic parameters on the efficacy of rTMS in depression

MAUD ROTHÄRMEL, Rouen, France
Deep rTMS: a new option in mental diseases?

CHRIS BAEKEN, Ghent,Belgium
Brain perfusion patterns as clinical (non) predictor to aiTBS treatment in medication-resistant depression

VIRGINIE MOULIER, Sotteville-lès-Rouen, France
Clinical, cognitive and neurophysiological effects of the combination of neurostimulation techniques in patients with mental disorders

13.00 – 13.15
Q&A
14.30 – 15.45
HALL 1
SYMPOSIUM
BEYOND CLINICAL SYNDROMES: UNDERSTANDING MECHANISMS OF NEUROMODULATION FROM A DIMENSIONAL PERSPECTIVE

CHAIRS
Camprodon, Joan A. & Cano, Marta

ELLARD KRISTEN, Boston, USA
Changes in Emotion Regulation following Transcranial Magnetic Stimulation (TMS) and the Relationship to Treatment Response in Major Depressive Disorder

BARBOUR TRACY, Boston, USA
Differential Effects of Rts and Ect on the Symptom Dimensions of Reward and approach/avoidance in Major Depressive Disorder

WARD BENJAMIN, Boston, USA
Improving Antidepressant Response Prediction Using Dimensional outcomes: Convergent Evidence from ECT and Ketamine Treatments

DENG ZHI, Bethesda, USA
Depressive Symptom Dimensions and Response Trajectories in Electroconvulsive Therapy and Magnetic Seizure Therapy

14.30 – 15.45
HALL 2
SYMPOSIUM
CEREBELLAR NON-INVASIVE BRAIN STIMULATION IN PSYCHIATRIC DISORDERS

CHAIRS
Roberta Ferrucci, Giordano D’Urso

RAFFAELE DUBBIOSO, Naples, Italy
TMS studies of the cerebellar-brain inhibition and neuropsychiatric disorders

ROBERTA FERRUCCI, Milano, Italy
Cerebellar tDCS in depression

RAQUEL GUIOMAR, Coimbra, Portugal
Cerebellar tDCS in schizophrenia

GIORDANO D’URSO, Naples, Italy
Cerebellar tDCS in autism spectrum disorder

15.45 – 16.00
Q&A
SYMPOSIUM
MODULATION OF BRAIN-BODY INTERACTIONS USING NON-INVASIVE BRAIN STIMULATION

16.00 – 17.15
HALL 1
CHAIR
Stefanie De Smet & Marie-Anne Vanderhasselt

MARIE-ANNE VANDERHASSELT, Ghent, Belgium
Combining electrical stimulation and lifestyle interventions targeting the vagus nerve to increase resilience systematic review and meta-analysis

MAXIMILIAN SCHMAUSSER, London, United Kingdom
The Effects of Noninvasive Brain Stimulation on Heart Rate and Heart Rate Variability: a systematic review and meta-analysis

STEFANIE DE SMET, Leiden, Netherland
Effects of transcutaneous auricular vagus nerve stimulation (taVNS) on autonomic and cognitive rigidity during perseverative cognition

GIUSEPPE SALVO,
Reducing disgust and moral rigidity through transcranial direct current stimulation (tDCS): Clinical implications for obsessive-compulsive disorder

16.00 – 17.15
FREE COMMUNICATION
HALL 2
SARA DE WITTE, Ghent, Belgium
Double-dosed non-invasive brain stimulation: is more better?

YOUSSF HUSSEIN, Egypt
Brain Derived Neurotrophical Factor Negatively Responded to Transcranial Direct Current Stimulation: Randomized Controlled Trial

ELENA TOSCANO, Naples, Italy
Long-term home-based fronto-cerebellar transcranial direct current stimulation for autism spectrum disorder: a case series

ATTALI DAVID, Paris, France
A 20-Year Journey in Transcranial Ultrasound Stimulation – Lessons Learned

RAQUEL GUIOMAR, Coimbra, Portugal
Combining app-based psychological intervention with home-based Transcranial Direct Stimulation for the treatment of depressive and anxiety symptoms: A Case Series

RADYTÉ EMILÉ, Oxford, UK
Modelling Non-Invasive Brain Stimulation of Deep Brain Structures for Psychiatric Applications

17.15 – 17.30
Q&A

17.30 – 18.30
POSTER SESSION

19.00 – 22.00
GALA DINNER
SATURDAY, JUNE 4, 2022

08.30 – 09.45
HALL 1

SYMPOSIUM
INNOVATIVE APPLICATIONS OF BRAIN STIMULATION IN PSYCHIATRY:
NEW TECHNOLOGY TO INCREASE TREATMENT EFFICACY

CHAIRS
Hanneke Van Dijk & Giordano D'Urso

ALBERTO PRIORI, Milano, Italy
Adaptive closed-loop Deep Brain Stimulation in Psychiatry

ANDRE BRUNONI, Sao Paulo, Brasil
Digital trials in Brain Stimulation

DEBBY KLOOSTER, Eindhoven, Netherlands
The relation between structural brain connections and clinical response to accelerated iTBS

SAMUEL BULTEAU, Nantes, France
tDCS+Virtual Reality in fear of heights and rumination

09.45 – 10.00
Q&A

08.30 – 09.45
HALL 2

SYMPOSIUM
UNDERSTANDING CIRCUIT MECHANISMS OF ELECTROCONVULSIVE THERAPY USING MULTIMODAL MRI

CHAIRS
Camprodon, Joan A. & Barbour, Tracy

BENJAMIN WADE, Los Angeles, USA
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CARLES SORIANO-MAS, Barcelona, Spain
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MARTA CANO, Barcelona, Spain
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JOAN A. CAMPRODON, Boston, USA
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09.45 – 10.00
Q&A

10.00 – 10.45
KEYNOTE SPEAKER

NOLAN WILLIAMS, Stanford, USA
Stanford Accelerated Intelligent Neuromodulation Therapy

10.45 – 11.00
COFFEE BREAK
Introduction to electric field modeling: how, why, and what is still missing?

Do electric field simulations have added value for determining TMS coil positions at the scalp for optimal targeting?

Meta-analytic electric field modeling

High-precision language mapping through multimodal fMRI, TMS and E-field modelling

Circuit-targeted TMS across symptoms and disorders

Facilitating rTMS treatment stratification with Brainmarker 1: A transdiagnostic EEG stratification biomarker

rTMS induced Brain-Heart Coupling: Implications for site selection and frontal thresholding?

Improving clinical outcomes and treatment accessibility for rTMS in depression

Transcranial electric stimulation in the clinical practice – what works and why?
SYMPOSIUM
NEW TOOLS TO MONITOR AND OPTIMIZE TMS TARGET ENGAGEMENT

CHAIRS
Windischberger Christian & Debby Klooster

TIK MARTIN, Stanford, USA
Interslice iTBS/fMRI: Continuous imaging of therapeutic transcranial brain stimulation

JANSSENS SHANICE, Maastricht, Netherlands
Simultaneous TMS-EEG-fMRI to study the propagation of TMS throughout the brain

VAN DIJK HANNEKE, Nijmegen, Netherlands
Transfer (Deep) Learning based on the raw EEG; Classifying subtypes remitting to various brain-stimulation treatments in MDD

VINK JORD, Utrecht, Netherlands
Elucidating propagation patterns of rTMS treatment in depression

17.15 – 17.30
Q&A

FREE COMMUNICATION

LUECKEL MAXIMILIAN, Mainz, Germany
Functional connectivity- and E-field-optimized TMS targeting: A pilot TMS-fMRI validation at the single-subject level

M. VASILEIADI, Vienna, Austria
Emotion processing task as a new strategy for locating individualized TMS targets

MARCO HIRNSTEIN, Bergen, Norway
No Evidence for Changes in Prefrontal and Temporo-Parietal Areas by tDCS Treatment of Auditory Hallucinations

CHRISTOPHE DAUDET, Anglet, France
Accelerated iTBS rTMS protocol in a clinical routine setting: one year experience

MARINE MONDINO, Lyon, France
A case series exploring the effects of high-frequency transcranial random noise stimulation in patients with schizophrenia

YUKI MIZUTANI-TIEBELAB, Munich, Germany
Concurrent TMS-fMRI – systematic review of methodological differences and sources of bias

17.15 – 17.30
Q&A

17.30 – 18.00
CLOSING REMARKS