



THE BATSHEVA DE ROTHSCHILD INTERDISCIPLINARY WORKSHOP ON TRANSCRANIAL MAGNETIC STIMULATION (TMS)

4-5 June 2007

Funded by: Bat Sheva Interdisciplinary Workshop Grant | Bepex (Magstim) | Levant Technologies (MagPro)

Hosts: Prof. Michal Lavidor and Dr. Hilik Levkovitz

4th June

9-9.30 – Registration and coffee

Morning – Cognition session

CHAIR - Prof. Michal Lavidor

Dept. of Psychology, and the Gonda Multidisciplinary
Brain Research Center, Bar Ilan

9.30 - 10.00

Prof. Stefan Knecht

Dept. of Neurology, University of Münster, Germany
20 YEARS OF TMS RESEARCH

10.10 – 10.40

Dr. Gorana Pobric

Dept. of Psychology, University of Manchester, UK
ACTION UNDERSTANDING

10.50 – 11.10 Coffee break

11.10 – 11.40

Prof. Ehud Zohary

Department of Neurobiology, The Hebrew University, Israel
VISION AND BLINDNESS

11.50 – 12.20

Dr. Roi Cohen Kadosh

Institute of Cognitive Neuroscience, UCL, UK
VIRTUAL DYSCALCULIA AFTER TMS TO THE RIGHT
PARIETAL LOBE: A COMBINED FMRI AND NEURONAVI-
GATED TMS STUDY

12.30 – 13.00

Prof. Michal Lavidor

Dept of Psychology, and the Gonda Multidisciplinary Brain
Research Center, Bar Ilan
THE ROLE OF THE RIGHT CEREBRAL HEMISPHERE IN
SEMANTIC PROCESSING: INSIGHTS FROM TMS STUDIES

13.00 – 14.00 Lunch break

Afternoon – Psychiatry I session

CHAIR - Dr. Hilik Levkovitz

School of Medicine, Tel Aviv University, and
Shalvata Mental Health Center, Israel

14.00-14.30

Dr. Yuval Bloch

School of Medicine, Tel Aviv University, and
Shalvata Mental Health Center, Israel
TMS IN ADOLESCENCE AND CHILDREN

14.40 – 15.10

Dr. Revital Amiaz

School of Medicine, Tel Aviv University, and
Sheba Medical Center, Israel
THE TREATMENT OF SMOKING WITH TMS

15.20 – 15.40 Coffee break

15.40 – 16.10

Dr. Ari Gershon

School of Medicine, Tel Aviv University, and
Sheba Medical Center, Israel
IMPAIRED VISUAL OBJECT RECOGNITION
AND DORSAL/VENTRAL STREAM INTERACTION:
SCHIZOPHRENIA AND TMS

16.20 – 16.50

Dr. Eiran Harel

School of Medicine, Tel Aviv University, and
Shalvata Mental Health Center, Israel
TREATMENT OF BIPOLAR DEPRESSION WITH
DEEP TRANSCRANIAL MAGNETIC STIMULATION

17.00 – 17.30

Prof. Ehud Klein

Rambam Medical Center and Technion-Israel
Institute of Technology, Israel
THE IMPORTANCE OF LATERALITY AND FREQUENCY OF
rTMS ON ITS EFFECT IN DEPRESSED PATIENTS: CLINICAL
AND NEUROPHYSIOLOGICAL CORRELATES.

20.00 – Dinner in Tel-Aviv

5th June

9-9.30 – Coffee

Morning – Methodologies session

CHAIR - Dr. Abraham Zangen

Neurobiology Department, Weizmann Institute, Israel

9.30 – 10.00

Dr. Sven Bestmann

Functional Imaging Laboratory, The Wellcome Trust Centre for Neuroimaging, Institute of Neurology, UCL
VISUALISING TMS-EVOKED CORTICO-CORTICAL CONNECTIVITY USING CONCURRENT TMS-FMRI

10.10 – 10.40

Dr. Giorgio Fuggetta

Institute of Cognitive Neuroscience, UCL, UK
COMBINED TMS/ERP INVESTIGATIONS

10.50 – 11.10 Coffee break

11.10 – 11.30

Dr. Kevin McCairn

Gonda Multidisciplinary Brain Research Center, Bar Ilan University
BEHAVIORAL AND LONG TERM ELECTROPHYSIOLOGICAL CONSEQUENCES OF EPIDURAL PRIMARY MOTOR CORTEX STIMULATION IN MPTP TREATED MACAQUES

11.30 – 11.50

Dr. Andrei Chistyakov

Dept. of Neurosurgery, Rambam Medical Center, B. Rappaport Faculty of Medicine, the Technion, Israel Institute of Technology
ASSESSMENT OF CENTRAL MOTOR CONDUCTION AND CORTICAL EXCITABILITY BY MEANS OF SINGLE-PULSE AND PAIRED PULSE TMS

12.00 – 12.30

Dr. Abraham Zangen

Neurobiology Department, Weizmann Institute, Israel
ELECTRICAL AND MAGNETIC BRAIN STIMULATION

12.30 – 13.00

Magstim (Bepex) and MagPro (Levant technologies)

TMS SYSTEMS WILL BE PRESENTED IN THE LOBBY

13.00 – 14.00 Lunch break

Afternoon – Psychiatry II session

CHAIR - Prof. Haim Belmaker

Division of Psychiatry Ben Gurion University of the Negev, Israel

14.00-14.30

Prof. Haim Belmaker

Division of Psychiatry Ben Gurion University of the Negev, Israel
TMS IN THE TREATMENT OF MANIA

14.40 – 15.10

Dr. Nimrod Grisar

Division of Psychiatry Ben Gurion University of the Negev, Israel
rTMS, A NEW POTENTIAL TREATMENT FOR PTSD

15.20 – 15.40 Coffee break

15.40 – 16.10

Prof. Leon Grunhaus

Eitanim-Kfar Shaul Mental Health Center
THE TREATMENT OF MAJOR DEPRESSION WITH TMS

16.20 - 16.40

Dr. Nava Levit Binnun

Physics of Complex Systems, Weizmann Institute
TMS OF NEURONS AND NETWORKS, WITH IMPLICATIONS TO SCHIZOPHRENIA

16.45 - 17.30

Dr. Hilik Levkovitz, Dr. Abraham Zangen

School of Medicine, Tel Aviv University, and Weizmann institute
DEEP TMS IN DEPRESSION: FROM ANIMAL MODELS TO CLINICAL APPLICATION

The workshop language is English

Registration:

It is free, but to attend the TMS WORKSHOP you MUST register

Please contact:

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Venue:

Conference theatre, Ground Floor,
The Gonda Multidisciplinary Brain Research Center, Bar Ilan University, Ramat Gan, Israel