



**הכנס ה-22 של
האיגוד הישראלי לפסיכיאטריה ביולוגית**

מלון פסטורל, קיבוץ כפר בלום | כ"ג-כ"ה באדר, 6-8 במרץ 2018

***The 22nd Annual Meeting of
The Israel Society of Biological Psychiatry***

Pastoral Hotel, Kibbutz Kfar Blum | March 6-8, 2018

תכנית - Program



ועד האיגוד:

דורון גוטהלף - שיבא, יו"ר האיגוד
מיכל טלר, סיו"ר, אוניברסיטת תל-אביב

הוועדה המדעית:

ערן הראל, יו"ר, באר יעקב - נס ציונה
שגב ברק, אוניברסיטת ת"א
הדס אוקון-זינגר, אוניברסיטת חיפה
חגי מעוז, שלוותה

אלונה גד, רמת חן
גלית ארז, שלוותה
אחיקם אולמר, איתנים - כפר שאול
אלון שמיר, מזרח, הטכניון
גל שובל, גהה
עמרי ויסמן, אוניברסיטת תל-אביב
עומר זרחי, מרכז רפואי רבין
מורן בר-אור, מזכירת האיגוד

ועד האיגוד ומשתתפי הכנס מודים לחברות הבאות על תמיכתן בכנס:

Janssen - יאנסן
Medison - מדיסון
Novartis - נוברטיס
Teva - טבע
Lundbeck - לונדבק
Unipharm - אוניפארם
Perrigo - פריגו
NBT New Bio Technology - נ.ב.ט.
כ.צ.ט. תעשיות כימיות - CTS
Eli Lilly - אלי לילי



12:30-14:00 קבלת פנים והרשמה (קבלת חדרים החל מ-15:00)

אולם סימפוניה 14:00-15:00

Chair: Doron Gothelf

Prof. Fumiko Hoeft, University of California San Francisco
Dyslexia: the latest research on the neurobiology and clinical phenotypes

אולם סימפוניה 15:00-15:20

Daniel Landau, media artist and researcher, Aalto University
Time-body study - a performative experiment

15:20-15:45

הפסקת קפה ותצוגת חברות בלובי

Coffee break





15:45-17:15

אולם סרנדה 1 מושב 4 Session

Eating disorders and obesity: new insights and developments

Chairs: Danny Stein & Dror Diker

Centrally-related influence in the development and treatment of obesity
Dror Dicker, Hasharon Medical Center

Dietary patterns of patients with binge eating disorder with and without night eating

Yael Latzer, Rambam Medical Center

Obesity: physiological changes in the reward system and behavioral correlates

Yonatan Kupchik, The Hebrew University

Reward dependence and harm avoidance among patients with binge-purge type eating disorders

Sigal Gat-Lazer, Bar Ilan University

Effects of intranasal oxytocin on the interpretation and expression of emotions in Anorexia Nervosa

Danny Stein, Sheba Medical Center

אולם סימפוזיה 3 מושב 3 Session

Mind-body-technology

Chairs: Rotem Bennet & Haim Einat

The self between realities and virtual realities

Roy Salomon, Bar Ilan University

Hand motion tracking reveals abnormal planning in ADHD

Anat Dahan, Technion

Interactive minds: mobile platform for brain signal analysis in real-life social interactions

Simone Shamay-Tsoory, University of Haifa

Virtual re-embodied cognition: when motor planning and mental imagery converge

Rotem Bennet, Technion

Time-body study - virtual re-embodiment: methodological insights

Daniel Landau, Aalto University

אולם סימפוזיה 2 מושב 2 Session

Short presentations

Israel Strauss & Shirley Portuguese

אולם סימפוזיה 1 מושב 1 Session

Emotional and behavioral symptoms are inherent to the onset and course of cognitive decline and dementia

Chairs: Ramit Ravona-Springer & Moshe Rechavi

The neuroanatomical basis for behavioral disturbances in Fronto - Temporal Dementia

Judith Aharon, Rambam Medical Center

The relationship between stress and cognitive outcome after stroke: results from the TABASCO study

Elinor Ben Assayag, Sourasky Medical Center

Clinical and neuroimaging characterization of middle-aged individuals at high dementia risk

Michal Schnaider-Beeri, Sheba Medical Center

Psychosis in dementia - a single clinical entity?

Ramit Ravona-Springer, Sheba Medical Center



Coffee break 17:15-18:00 הפסקת קפה ותצוגת חברות בלובי

אולם סימפוזיה | 18:00-19:15

דברי ברכה: פרופ' דורון גוטהלף, יו"ר האיגוד הישראלי לפסיכיאטריה ביולוגית

Chair: Hagai Bergman

Prof. Daniela Kaufer, UC Berkeley

Hippocampal plasticity shaping stress vulnerability

Dinner - ארוחת ערב - 19:15-20:15

לובי המלון | 20:15-21:30

Poster session I & Refreshments
Best poster competition

אולם סימפוזיה | 21:30



הקרנת הסרט טריפ של חמלה

מסע תיעודי לעולמם של שלושה ישראלים הסובלים מ-PTSD וטופלו ב-MDMA אשר מחזיר אותם אל הסיטואציה המכוננת תוך עיבוד החוויה הרגשית. לאחר הסרט יתקיים דיון בהנחיית פרופ' חיים בלמייקר בהשתתפות נחום פצ'ניק, שעבר את הטיפול הניסיוני ומצולם בסרט.



מועדון ארוחת הבוקר - אולם סרנדה 1 | 7:45-8:15

Leon Grunhaus, Mind Clinic
Intravenous ketamine for the treatment of depression and suicidality

8:30-10:00

אולם סרנדה 1 מושב 8 Session

אולם סימפוזיה 3 מושב 7 Session

אולם סימפוזיה 2 מושב 6 Session

אולם סימפוזיה 1 מושב 5 Session

The 10th national basic science competition for residents - Part 1

Chair: Gal Shoval

Head of the Jury: Joseph Zohar

Referees: A. Apter, R.H. Belmaker, O. Bonne, E. Fruchter, S. Hirschmann, Y. Kohn, E. Klein, I. Kremer, H. Levkovitz, G. Lubin, H. Munitz, A. Reshef, P. Toren, A. Weizman, U. Yatzkar, G. Zalsman

How does therapy work: biological and psychological mechanisms of change

Chairs: Roe Admon & Hagai Hermesh

Acute changes in rostral anterior cingulate cortex (rACC) function are associated with treatment response in major depression

Roe Admon, University of Haifa

The process of change in psychotherapy for depression: oxytocin as a neurobiological marker in the formation of the working alliance

Sigal Zilcha-Mano, University of Haifa

Sympathetic activation during imagery rescripting in the treatment of test anxieties

Eran Bar-Kalifa, Ben-Gurion University of the Negev

Where does it hurt the most? A randomized controlled trial of mindfulness-based therapy for fibromyalgia

Danny Horesh, Bar Ilan University

Perceptual, communication and emotional abnormalities in Autism: behavioral and neural indications

Chairs: Bat Sheva Hadad & Omri Weisman

Atypical perception in autism: basic psychophysical laws do not hold

Bat Sheva Hadad, University of Haifa

A randomized controlled trial of PEERS in Israel: behavioral and questionnaire-based outcomes

Ofer Golan, Bar Ilan University

Neural correlates of touch empathy in autism

Leehee Peled, University of Haifa

Overnight EEG recordings from 2-6 year old toddlers with autism reveal abnormally shallow sleep and reduced REM

Ilan Dinstein, Ben Gurion University

Closing the loop - The brain stimulation & monitoring toolbox consortium

Chairs: Ziv Peremen & Eiran Harel

Introduction to the BSMT consortium

Ziv Peremen, ElMinda

Closing the loop in dTMS treatment - optimizing treatment for ADHD and depression

Ronen Segal, Brainsway

Closing the loop in DBS: optimizing the Parkinson disease DBS procedure for best patient outcome

Nabeel Sakran, Alpha Omega

Closing the loop in FUS: neuromodulation in focused ultrasound surgery

Yoav Levy, InSightec

Towards a human/machine learning platform for closed loop solution

Amir Geva, ElMinda and Ben Gurion University



Coffee break - הפסקת קפה ותצוגת חברות - 10:00-10:30

10:30-12:00

אולם סרנדה 1 מושב 12 Session

The 10th national basic science competition for residents - Part 2

Chair: Gal Shoval

Head of the Jury: Joseph Zohar

Referees: A. Apter, R.H. Belmaker, O. Bonne, E. Fruchter, S. Hirschmann, Y. Kohn, E. Klein, I. Kremer, H. Levkovitz, G. Lubin, H. Munitz, A. Reshef, P. Toren, A. Weizman, U. Yatzkar, G. Zalsman

אולם סימפוזיה 3 מושב 11 Session

Digital Psychiatry: fast forward to the future

Chairs: Nadav Goldental & Michal Rosen-Zvi

Digital Psychiatry for people in a hurry
Raz Gross, Sheba Medical Center

Technology enabled measurement-based care in mental illness
Ofer Sharon, Valera Health

Technology Support for Behavioral Change
Ran Gilad-Bachrach, Microsoft Research

Healthcare Revolution Through Artificial Intelligence (AI)
Michal Rosen-Zvi, IBM Research

אולם סימפוזיה 2 מושב 10 Session

Thinking out of the box

Chairs: Alon Shamir & Ravid Doron

Heritable memories in *C. elegans*
Oded Rechavi, Tel Aviv University

Movement and psychiatric hyper-disorders: two sides of the same disinhibition
Izhar Bar-Gad, Bar Ilan University

Beyond pleasure and pain: taking a closer look at highly intense facial expressions
Hillel Aviezer, The Hebrew University

אולם סימפוזיה 1 מושב 9 Session

New developments in ADHD research

Chairs: Yuval Bloch & Hadas Okon-Singer

The effects of a CBT-based parent-assisted friendship training for children with ADHD
Shirel Dorman, Sheba Medical Center

Abnormal early orienting to emotional distractors among adults with ADHD: behavioral and EEG findings
Hadas Okon-Singer, University of Haifa

Differences in risk and benefit perceptions among adults with and without ADHD
Rachel Shoham, The Hebrew University

The Dysexecutive Syndromes: A focus on ADHD
Joseph Ben-Sheetrit, Geha Mental Health Center

Methylphenidate and Hypericum perforatum as nootropics: not only in ADHD and in depression
Eldad Yechiam, Technion



אולם סימפוזיה 12:15-13:15

Chair: Raz Gross

Prof. Arie Shalev, New York University

Post-traumatic stress disorder: lumping towards a bitter end?

לובי המלון 13:15-14:30

Poster session II & Lunch
Best-poster competition

תצוגת חברות



14:30-16:00

אולם סרנדה 1 מושב 16 Session

Emotion regulation in child psychiatry

Chairs: Daphna Ruhrman & Gil Zalsman

Severe mood dysregulation: biological data from humans and animal models
Gil Zalsman, Geha Mental Health Center

Maternal emotion regulation and the Child's Anxiety Disorder
Nava Wald, Tel-Hai College

Do I have to regulate myself in order to regulate my child?
Irit Shor Sapir, Tel Aviv University

The role of emotion regulation in Tic Disorders: parents and child
Daphna Ruhrman, Schneider Children's Medical Center

אולם סימפוזיום 3 מושב 15 Session

Synchrony in close relationships: bottom-up biological mechanisms and social function

Chairs: Yulia Golland & Irit Akirav

A Cortico-Striatal dopaminergic mechanism of synchronous human bonding
Shir Atzil, The Hebrew University

Perception of social synchrony induces mother-child gamma coupling in the superior temporal sulcus

Jonathan Levy, Interdisciplinary Center Herzliya and Bar Ilan University

Neural, autonomic and facial synchrony in social-emotional contexts
Yulia Golland, Interdisciplinary Center Herzliya

Dyadic synchrony as an agent of co-regulation in imagery and rescripting work
Eshkol Rafaeli, Bar-Ilan University

אולם סימפוזיום 2 מושב 14 Session

The power of nothing: could studying the placebo effect change the way we think about psychiatry?

Chairs: Eran Harari & Aaron Weller

Neuronal network in placebo response
Hilla Azulay-Debby, Technion

The problem of the placebo response in clinical trials for psychiatric disorders - Possible remedies and novel approaches in drug development
Eran Harary, Teva

Placebo in the clinical setting - An intellectual game or a possible reality?
Uri Nitzan, Shalvata Mental Health Center

אולם סימפוזיום 1 מושב 13 Session

Neurogenetic syndromes

Chairs: Doron Gothelf & Boaz Barak

Angelman syndrome: from the clinic to the search for novel therapeutic strategies
Gali Heimer, Sheba Medical Center

Attention and memory in Noonan syndrome
Tamar Green, Stanford University

Myelination deficits as novel pathophysiological findings in Williams syndrome
Boaz Barak, Tel Aviv University

Novel findings in the biological mechanisms underlying Familial Dysautonomia
Miguel Weil, Tel Aviv University



16:15-17:45

אולם סרנדה 1 מושב 20 Session

Short presentations

Chairs: Ilana Kremer &
Ronit Avitzur-Hamiel

אולם סימפוזיה 3 מושב 19 Session

Clinical updates

Chairs: Avi Avital & Nachum Katz

Update on the treatment of ADHD

Avi Weizman, Geha Mental Health Center

Update on the treatment of Depression

Ronen Segman, Hadassah Medical Center

אולם סימפוזיה 2 מושב 18 Session

Amygdala-cortical networks: From bench to bedside

Chairs: Oded Klavir & Omer Zarchi

Amygdala to medial-prefrontal
projections: a channel for
affective information?

Oded Klavir, University of Haifa

Now and the future: short-term
neuronal activity underlying
perception and learning

Anan Moran, Tel Aviv University

Amygdala-prefrontal synchrony
explains safety and aversive learning
during acute vs. chronic SSRI in a
primate model

Rony Paz, Weizmann Institute of Science

Early biomarkers of anxiety
disorders: Applications from cognitive
developmental neuroscience

Tomer Shechner, University of Haifa

אולם סימפוזיה 1 מושב 17 Session

Immunology and psychiatric disorders

Chairs: Maya Amitai & Shamgar Ben
Elyahu

Harnessing protective microglial
functions to prevent detrimental effects
of stress and treat depression

Raz Yirmiya, The Hebrew University

Bio-behavioral interventions to reduce
postoperative cancer recurrence:
ongoing and future studies

Shamgar Ben-Eliyahu, Tel Aviv University

Tracking traumas via biomarkers of the
immune system

Maya Lebow, Weizmann Institute of Science

Cytokines as possible biomarkers for
SSRI treatment in children

Maya Amitai, Weizmann Institute of Science

Coffee break - הפסקת קפה ותצוגת חברות - 17:45-18:15



אולם סימפוניה 18:15-20:00

Chair: Doron Gothelf

פרס האיגוד לעבודה מצטיינת יוענק ע"י דורון גוטהלף ומיכל טלר
ועדת השיפוט: אבי ויצמן, גלילה אגם, אהרון ולה, אהוד קליין ואמיר קריבוי
תעודת הוקרה של האיגוד למנטור המצטיין בתחום הקליני תוענק לחיליק לבקוביץ

פרס ראשון בתחרות מדעי יסוד יוענק ע"י יוסי זוהר וגל שובל

Chair: Ramit Ravona-Springer

Prof. Lon Schneider, University of Southern California

Update on current and future treatments for dementia and Alzheimer's disease: do we know the targets?

19:45-20:15 לחברים מן המניין בלבד: ישיבת מליאה, בחירת חברים חדשים לוועד האיגוד וליו"ר האיגוד



20:00 ארוחת ערב

22:00 אולם סימפוניה הופעה: **קורין אלאל**



7:45-8:15 מועדון ארוחת הבוקר

Joseph Zohar, Sheba Medical Center

Why are there more than 30,000 users of NbN? updates and demonstrations

8:30-10:00

אולם סרנדה 1 מושב Session 24

אולם סימפוזיה 3 מושב Session 23

אולם סימפוזיה 2 מושב Session 22

אולם סימפוזיה 1 מושב Session 21

Targeted Genome Editing: leaping forward with CRISPR

Chair: Alona Gad

CRISPR: a game-changing genetic engineering technique

Romy Zemel, Rabin Medical Center

Towards gene-editing treatment for Alzheimer's Disease

Danny Offen, Tel-Aviv University

Pre-clinical and clinical developments in drug addiction research

Chairs: Shauli Lev-Ran & Aviv Weinstein

Cannabis use disorder and comorbid psychiatric conditions

Daniel Feingold, Lev Hasharon Hospital

Circuit specificity in the inhibitory architecture of the VTA regulates dopamine response

Rami Yaka, The Hebrew University

Neural plasticity during alcohol memory reconsolidation - understanding the brain dynamics of relapse

Yossi Sadot-Sogrin, Tel Aviv University

Executive function in regular synthetic cannabis users

Koby Cohen, Ariel University

A personalized dynamic treatment for addiction using big data analyses and machine learning

Gal Yadid, Bar Ilan University

Deconstructing schizophrenia: unfolding the building blocks

Chairs: Amir Krivoy & Dorit Ben Shachar

Can negative symptoms be treated pharmacologically?

Michael Davidson, Sheba Medical Center

Towards precision in schizophrenia: how many eggs are in that basket?

Amir Krivoy, Geha Medical center

Phase analysis of TMS EEG in schizophrenia reveals alterations in spatial and temporal synchronization

Nava Levitt-Binun, Interdisciplinary Center Herzliya

Mitochondria - a potential pathological factor in schizophrenia

Dorit Ben-Shahar, Technion

Women psychiatry I - Postpartum hormonal and emotional changes: detection and prevention

Chairs: Vered Bar & Inbal Shlomi

The effect of hormonal changes on women's mental trajectories and possible interventions

Vered Bar, Sheba medical center

What do we know about postpartum psychiatric hospitalizations?

Inbal Shlomi, Be'er Yaakov Mental Health Center

Maternal depression and anxiety, social synchrony, infant emotion regulation and cortisol reactivity

Adi Granat, Interdisciplinary Center Herzliya

PTSD following childbirth and its impact on the mother-infant relationship

Tahli Frenkel, Interdisciplinary Center Herzliya

Affective reactions secondary to drastic hormonal changes in women with mood disorders

Miki Bloch, Tel Aviv Sourasky Medical Center



Coffee break 10:00-10:30 הפסקת קפה ותצוגת חברות

פינוי חדרים עד 11:00 - ניתן לאחסן מזוודות בחדר אחסון המזוודות ליד דלפק הקבלה

10:30-12:00

אולם סרנדה 1 מושב Session 28	אולם סימפוזיה 3 מושב Session 27	אולם סימפוזיה 2 מושב Session 26	אולם סימפוזיה 1 מושב Session 25
<p>Pharmacogenetics Chair: Bernard Lerer</p> <p>Evidence based genetic testing: needed for psychiatry but are we there? Bernard Lerer, Hadassah Medical Center</p> <p>Pharmacogenetic testing: implications in clinical practice and considerations Revital Amiaz, Sheba Medical Center</p>	<p>Women psychiatry II Chairs: Miki Bloch & Hagit Cohen</p> <p>Distinctive gene expression profile in women with history of postpartum depression Rafael Aidelman, Eitanim Psychiatric Hospital</p> <p>Mononuclear cell gene expression changes in postpartum depression Tanya Goltser-Dubner, Hadassah Medical Center</p> <p>Multimodal indices of response and recovery following exposure to trauma among women Liat Helfman, Columbia University Medical Center and Tel Aviv Medical Center</p> <p>Neuro-feedback for Premenstrual Dysphoric Disorder Oren Tene, Tel Aviv Sourasky Medical Center</p>	<p>Hamama presentations Chairs: Yoav Kohn, Shauli Lev Ran & Hagai Maoz</p>	<p>E-POSTER Chair: Michal Taler</p>



אולם סימפוזיה 12:15-13:15

Chair: Ronen Segman

פרסי האיגוד לפוסטרים מצטיינים בשיתוף עם NIPi

Chair: Alan Apter

Prof. Johannes Hebebrand, University Duisburg-Essen, Germany

Neuroendocrine and weight related aspects of Anorexia Nervosa with a focus on therapeutic implications

13:30 - ארוחת צהרים קלה

סיום הכנס