

הכנס השנתי ה-25 של האיגוד הישראלי לפסיכיאטריה ביולוגית

24-22 במרץ 2022, מלון פסטורל כפר בלום

תכנית - Program

Research Workshop of The Israel Science Foundation: Neurobiology and Advanced Neurosurgical Treatments for OCD and anxiety

Organizers: Hagai Bergman, The Hebrew University
Renana Eitan, Tel Aviv Sourasky Medical Center
Moderator: Hagai Hermesh, Geha Mental Health Center

21/03/2022 - Opera E Hall

10:30-11:00	Registration, Coffee
11:00-13:00	Introduction to Neurobiology Methods in Anxiety and OCD Disorders Hagai Bergman, Medical Neurobiology, The Hebrew University
13:00-14:00	Lunch
14:00-16:00	Introduction to Clinical Aspects of Anxiety and OCD Disorders Omer Linkovsky, Psychology, Bar-Ilan University
16:00-16:30	Coffee Break
16:30-18:00	Advanced Neurosurgical Treatments for OCD Mikael Levy
18:30-20:00	Dinner

22/03/2022 - Opera E Hall

08:45-08:30	Breakfast
08:30-09:30	Towards clinical implantation of adaptive stimulation: chronic biomarkers in Parkinson's disease and implications for adaptive stimulation in recordings with the novel Percept IPG Lucia Feldmann, Department of Neurology, Charité Berlin ZOOM
09:30-11:30	Closed-loop DBS for OCD Renana Eitan, Tel Aviv Medical Center (Ichilov)
11:30-12:00	Coffee Break
10:00-12:00	Opera C Hall - מיזם חברתי קהילתי חדש של האיגוד לפסיכיאטריה ביולוגית - מפגש חוקרים ורופאים עם תלמידי תיכון בנושא: "פסיכיאטריה ומדעי המח פוגשים את תלמידי התיכון של קרית שמונה"

Annual Conference of the Israel Society of Biological Psychiatry

Tuesday, March 22, 2022

Parallel Sessions 1				
12:00-13:30	Session 1 Opera B Hall	Session 2 Opera A Hall	Session 3 Opera C Hall	חממה Opera E Hall
	<p>Predictors and biomarkers for mental illness</p> <p>Chair: Yonatan Kupchik, The Hebrew University of Jerusalem</p> <p>DNA methylation dysregulation of non-coding regions in neurons and oligodendrocytes in individuals with Williams syndrome is associated with pathology and cortical development Asaf Marco, The Hebrew University of Jerusalem</p> <p>Neurensin-2: a novel cell-type-specific mediator of depression Gali Umschweif, The Hebrew University of Jerusalem</p> <p>Machine learning based attempts to predict PTSD: Hope or sobering lesson? Arieh Shalev, Emeritus Professor, Hadassah University Hospital</p> <p>Neutrophil-to-lymphocyte and platelet-to-lymphocyte ratios as biomarkers for suicidal behaviors in depressed/anxious children and adolescents treated with SSRIs Maya Amitai, Schneider Children's Medical Center</p> <p>Moderating role of depression on the association of tic severity with functional impairment in children Noa Benaroya-Milshtein, Schneider Children's Medical Center</p>	<p>SHORT TALKS</p> <p>Chairs: Bat Sheva Hadad, University of Haifa Mor Nahum, Hebrew University of Jerusalem</p> <p>The relationship between parental and their depressed/anxious offspring's plasma proinflammatory cytokine levels Tomer Mevorach, Schneider Children's Medical Center; Tel Aviv University</p> <p>Serum claudin-5 levels among patients with unipolar and bipolar depression in relation to pro-inflammatory cytokine tumor necrosis factor-alpha levels Eldar Hochman, Geha Mental Health Center; Tel-Aviv University</p> <p>Patient and therapist in-session cortisol as predictor of post-session patient reported affect Levi Eyal, University of Haifa</p> <p>Reduced anhedonia following internet-based cognitive behavioral therapy for depression is mediated by enhanced reward circuit activation Shir Hanuka, University of Haifa</p> <p>Long-term effect of antipsychotic treatment on pain threshold and sensitivity in naive rats Reem Sakas, ORT Braud e College; Bar-Ilan University; Galilee Medical Center Research Institute</p> <p>The role of the circular RNA circmGluR5b in the development of fragile X syndrome Yuval Raveh, Bar Ilan University; Ministry of Health</p> <p>Volatile organic compounds as a predictor of stress in rats Elias Mansour, Technion - Israel Institute of Technology</p> <p>The effect of transcranial random noise stimulation combined with cognitive training on symptoms and executive functions in paediatric ADHD Ornella Dakwar-Kawar, Hebrew University</p> <p>Blood brain barrier permeability increases with age in individuals with 22q11.2 deletion syndrome Ehud Mekori-Domachevsky, Chaim Sheba Medical Center</p> <p>Chronotype effects on well-being in Israeli students Anat Lan, Tel-Aviv-Yaffo Academic College</p> <p>Impaired Sense of Agency and Associated Confidence in Psychosis Amit Regev Krugwasser, Bar-Ilan University</p>	<p>The inter-relationship between epilepsy and psychiatry via SEEG and Thalamic DBS</p> <p>Chairs: Hagai Bergman, The Hebrew University Mikael Levy</p> <p>Diagnosis and treatment of a girl suffering from drug resistant epilepsy with RF guided SEEG: The concept of cortical redundancy Eli Hyman, Shamir Medical Center, Zerfin</p> <p>First SEEG guided radiofrequency revealing and treating Geschwind syndrome's epileptic neural network: A case study Mikael Levy</p> <p>Hypomania following left temporal lobe SEEG guided radiofrequency ablation: A case study Alexandra Madar</p> <p>Electrophysiological targeting of centro-median nucleus in deep brain stimulation for epilepsy patients Stefanie Glowinsky, The Hebrew University of Jerusalem</p>	<p>"החממה לרופאים חוקרים" בהנחיית ד"ר אמיר קריבוי וד"ר כפיר פפר</p>
13:30-14:00	Light welcome lunch / coffee			

14:00-15:30	Parallel Sessions 2			"החממה לרופאים חוקרים" Opera E Hall בהנחיית דר' אמיר קריביו ודר' נפיר פפר
	Session 4 Opera B Hall	Session 5 Opera A Hall	Session 6 Opera C Hall	
	<p>Studying social emotional interactions in the lab and in the field: evidence from animal models, human behavioral studies, neuroimaging and clinical populations</p> <p>Chairs: Yoav Cohen, The Jerusalem Mental Health Center, Eitanim Psychiatric Hospital, Hebrew University-Hadassah School of Medicine Anat Perry, Hebrew University of Jerusalem</p> <p>I know exactly how you feel - analysis of affective-state recognition in mouse models of Autism Spectrum Disorder Shlomo Wagner, University of Haifa</p> <p>Heightened inclusion motivation in loneliness: the role of the left insula Alisa Kanterman & Simone Shamay-Tsoory, University of Haifa</p> <p>Studying Empathic Accuracy and Synchrony in Healthy and Clinical Populations Anat Perry, The Hebrew University of Jerusalem</p> <p>Online group cognitive behavior therapy for social anxiety - An economic solution for mental health public services? Yoav Blay, Geha Mental Health Center</p>	<p>Clinical updates</p> <p>Chairs: Ettie Grauer, Israel Institute for Biological Research Shaul Schreiber, Tel Aviv Sourasky Medical Center</p> <p>Attempted suicide rates before and during the COVID-19 pandemic: interrupted time series analysis of a nationally representative sample Arad Kodesh, University of Haifa</p> <p>The Effects of Medicinal Cannabis Treatment on Sleep Quality among Sexual Assault Survivors Daphna Bardin Armon, Tel Aviv Sourasky Medical Center</p> <p>Deep Transcranial Magnetic Stimulation (dTMS) Combined with a Pain-directed Psychotherapeutic Intervention: A Randomized Double-blind Sham-controlled Study in Patients with Fibromyalgia Syndrome (FMS) Einat Tilbor, Shalvata Medical Center</p> <p>Hospitalization Outcomes for Psychiatric Patients Treated by Female vs Male Residents Amit Yaniv Rosenfeld, Shalvata Medical Center</p> <p>The Emotional Condition of Adolescent and Adult Patients with Anorexia Nervosa during the COVID-19 Pandemic Yaffa Serur, Chaim Sheba Medical Center</p>	<p>Women's mental health in the wake of hormonal changes and reproductive events</p> <p>Chairs: Miki Bloch, Tel Aviv Sourasky Medical Center Liat Helpman, University of Haifa</p> <p>Facilitating PTSD treatment by menstrual timing of adjunctive neurofeedback Liat Helpman, University of Haifa</p> <p>Facing the void: Decisions made by women following stillbirth and their association with psychological distress Ronnie Souday, Bar Ilan University</p> <p>Postpartum Depression Long Term Prognosis Miki Bloch, Tel Aviv Sourasky Medical Center</p> <p>Postpartum depression and Bonding during the COVID-19 pandemic: a longitudinal study Jonathan E. Handzelzalts, Academic College of Tel Aviv-Yafo</p>	
15:30-16:00	Coffee break and exhibition in the foyer / Check in			
16:00-17:30	Parallel Sessions 3			"אשנב קליני לחוקרים" Opera E Hall בהנחיית דר' גלית ארו ודר' ענבל ראובני
	Session 7 Opera B Hall	Session 8 Opera A Hall	Session 9 Opera C Hall	
	<p>Difficult to treat depression- paradigm changes and clinical updates</p> <p>Chairs: Abraham peled, Maale Carmel Kfir Feffer, Lev-Hasharon mental health center</p> <p>The treatment of TRD among patients with co-existing complex trauma, outcomes from first year of Esketamine treatment Ortal Nimni, Lev-Hasharon mental health center</p> <p>Vagal Nerve stimulation (VNS) for patients with H-TRD, what have we learned from the first 10 cases. Yoav Domany, Sheba health center Kfir Feffer, Lev-Hasharon mental health center</p> <p>ECT- in the 70 years jubilee, major challenges and current clinicians perspective toward ECT treatment Lior Dvorac, Tel-aviv Sourasky medical center</p> <p>Neuromodulation and the future of psychiatry Abraham Peled, Maale Carmel</p>	<p>Neurocognitive mechanisms of threat expectancy in anxiety disorders: Recent evidence and potential for new intervention strategies</p> <p>Chair: Hadas Okon-Singer, University of Haifa Discussant: Eldar Hochman, Geha Mental Health Center, Tel Aviv University</p> <p>The neural circuit of enhanced post-traumatic threat detection Ami Ritter, University of Haifa, Israel</p> <p>A neural and behavioral tradeoff between value and uncertainty relates to increased exploration in trait anxiety Kristoffer Aberg, Weizmann Institute of Science</p> <p>Reducing blood-injection-injury fear using a manipulation of expectancies Elinor Abado, University of Haifa</p> <p>The role of fear in hierarchical processing of fear-related stimuli Nur Givon-Benjo, University of Haifa</p>	<p>Updates in psychopharmacology</p> <p>Chair: Alzbeta Juven Wetzler, Tel Aviv University</p> <p>Lithium: Off the gold standard Haim Belmaker, Ben Gurion University</p> <p>The role of d2 partial agonists in affective disorders Avi Weizman, Geha Mental Health Center</p>	
17:45-18:45	PLENARY LECTURE 1 Opera B Hall Neurodegenerative Diseases: To Sleep or not to Sleep Hagai Bergman , The Hebrew University			
18:45-19:45	Dinner			
20:00-21:00	Opera B Hall דין קליני מוזיקלי פתולוגי היסטורי בנושא: "חידת מותו של המלחין מוריס ראובל" פרופ' יואל דונחין וד"ר רננה איתן			

Wednesday, March 23, 2022				
6:45-8:30	Breakfast - dining room			"החממה לרופאים חוקרים" - ארוחת בוקר עם המנטורים
7:45-8:15	Morning Workout			
8:30-10:00	Parallel Sessions 4			
	<p>Session 10 Opera B Hall</p> <p>Chronic stress: Physiological, behavioral and clinical implications Chairs: Roe Admon, University of Haifa Gil Zalsman, Geha Mental Health Center</p> <p>Sleep difficulties among COVID-19 frontline healthcare workers Raz Groos, Sheba Medical Center & Sackler Faculty of Medicine, Tel-Aviv University</p> <p>Risk and resilience trajectories in war-exposed adolescents: a longitudinal study Karen Yirmiya, Reichman University (IDC Herzliya)</p> <p>Predicting chronic stress among healthy females using daily-life physiological and lifestyle features from wearable sensors Noa Magal, University of Haifa</p> <p>Distinct neural representations and cognitive behaviors attributable to naturally-developed active and passive stress coping styles in the rat Gal Richter-Levin, University of Haifa</p>	<p>Session 11 Opera A Hall</p> <p>Closing the loop with our mind: procedures and utilities in psychiatry Chairs: Talma Hendler, Tel-Aviv University; Tel-Aviv Sourasky Medical Center Mor Nahum, The Hebrew University of Jerusalem</p> <p>Closing the loop to control and understand mood and behavior Hanna Keren, Bar-Ilan University</p> <p>How we close the loop between our brain and mind? A computational account of Reinforcement Learning Nitzan Lubianiker, Tel-Aviv University; Tel-Aviv Sourasky Medical Center</p> <p>Closed-loop neuromodulation in the service of the search for biomarkers- causally identifying the most relevant networks as a first step towards effective treatment. Michal Ramot, Weizmann Institute of Science</p> <p>Self-neuromodulation targeting limbic activity for alleviating emotional symptoms in Complex-PTSD and Chronic pain Naomi Fine, Tel-Aviv University; Tel-Aviv Sourasky Medical Center</p>	<p>Session 12 Opera C Hall</p> <p>Research and challenges in consultation liaison Chairs: Noa Benaroya-Milshtein, Schneider Children Medical Center Avi Weizman, Geha Mental Health Center</p> <p>Challenges in Pediatric Consultation Liaison Noa Benaroya-Milshtein, Schneider Children Medical Center of Israel</p> <p>Trajectories and risk factors for anxiety and depression in children and adolescents with cancer: A 1-year follow-up Maya Yardeni, Chaim Sheba Medical Center,</p> <p>Antidepressant medications treatment in pediatric oncology Meital Avishai, Schneider Children Medical Centre of Israel</p> <p>Psychopharmacology in the pediatric hematology-oncology division Ariela Zaikin, Schneider Children's Medical Center of Israel</p> <p>Summary and insights towards new horizons in Liaison psychopharmacology Avi Weizman, Geha Mental Health Center</p>	<p>Session 13 Opera E Hall</p> <p>Synchrony, interbrain plasticity and the role of oxytocin in the psychotherapeutic process Chairs: Hagai Maoz, Shalvata Mental Health Center; Tel-Aviv University Ronen Segman, Hadassah Medical Center</p> <p>Interbrain plasticity underlies positive outcomes in psychotherapy Simone Shamay-Tsoory, University of Haifa</p> <p>Oxytocin administration as augmentation to psychotherapy in ecological settings: A systematic review and meta-analysis Paula Tefera, Tel-Aviv university</p> <p>Acceleration of psychotherapeutic processes in hospitalization using Intranasal Oxytocin Hagai Maoz, Shalvata Mental Health Center; Tel-Aviv University</p> <p>The effect of oxytocin administration on patient-therapist alliance congruency: Results from a randomized controlled trial Dana Tzur Bitan, Shalvata Mental Health Center; Ariel University</p> <p>Extreme aggression is mediated via two parallel neuropeptide pathways Yair Shemesh, Weizmann Institute of Science</p>
10:00-10:30	coffee break			
10:30-12:00	Parallel Sessions 5			
	<p>Session 14 Opera B Hall</p> <p>Advances in the study and treatment of drug addiction Chairs: Einat Peles, Tel Aviv Medical Center; Tel Aviv University Yoni Kupchik, Hebrew University</p> <p>Role of inhibitory GABAergic control of VTA dopamine neurons activity in reward and addiction Rami Yaka, The Hebrew University of Jerusalem</p> <p>Delay in entering methadone maintenance treatment and its relation to physicians' knowledge and attitude Einat Peles, Tel Aviv Medical Center; Tel Aviv University</p> <p>Differential synaptic plasticity in ventral pallidal glutamatergic output to aversion- and reward-related targets Yonatan Kupchik, The Hebrew University of Jerusalem</p> <p>Brain stimulation in the study and treatment for addiction Avraham Zangen, Ben Gurion University</p> <p>Physicians' self-report of their ability to identify patients with addiction and its relation to knowledge, practice, and stigma Yael Delayahu, Abarbanel Mental Health Center; Tel Aviv University</p>	<p>Session 15 Opera A Hall</p> <p>Sex, gender, theory and real life challenges: from brain research to clinical psychiatry Chairs: Galit Erez, Shalvata Mental Health Center Noa Vardi, Geha Mental Health Center</p> <p>Gender development: Theory and research Noa Vardi, Geha Mental Health Center</p> <p>Rethinking sex, brain and gender: Beyond the binary Daphna Joel, Tel Aviv University</p> <p>Body Dysphoria: בנייה אינטימית Galit Erez, Shalvata Mental Health Center</p> <p>Emotional and social challenges of transgender youth receiving hormonal gender affirmative treatment Tomer Shechner, University of Haifa</p> <p>Discussion: Zvi Fischel, Geha Mental Health Center</p>	<p>Session 16 Opera C Hall</p> <p>Psychedelics in the laboratory and clinic Chairs: Bernard Lerer, Hadassah Medical Center</p> <p>A preclinical pipeline for psychedelic therapeutics Bernard Lerer, Hadassah Medical Center - Hebrew University</p> <p>Ketamine: Forerunner of the psychedelic renaissance Revital Amiaz, Chaim Sheba Medical Center</p> <p>Psychedelic assisted psychotherapy Keren Tzarfaty, Multidisciplinary Association for Psychedelic Studies (MAPS)</p> <p>Psilocybin for the treatment of depression Eiran Harel, Beer Yaakov Mental Health Center</p>	<p>Session 17 Opera E Hall</p> <p>Thinking out of the box Chairs: Ravid Doron, The Open University Alon Shamir, Mazor Mental Health Center; Technion - Israel Institute of Technology</p> <p>Brain Organoids - the future of neuropsychiatric study and drug development Nisim Perets, ItayAndBion</p> <p>Remembering immunity: central control of immune processes Hilla Azulay-Debby, Technion - Israel Institute of Technology</p> <p>Building an artificial brain for the study of visual perception Elishai Ezra Tsur, The Open University of Israel</p> <p>The Future of Predictive Medicine: Mental Health Ben Reis, Harvard Medical School</p> <p>Consequences of premature birth on the neurotrophic system: new insights from a mouse model Franko Motty, Ben Gurion University of the Negev; The Open University</p>
12:15-13:00	PLENARY LECTURE 2: Opera B Hall Genetics of Neurodegenerative Diseases David Arkadir , The Hebrew University			
13:00-14:30	Lunch & Poster session in the foyer			

Parallel Sessions 6				
14:30-16:00	Session 18 Opera B Hall	Session 19 Opera A Hall	Session 20 Opera C Hall	Session 21 Opera E Hall
	dTMS round table Participants: Abraham Zangen , Ben Gurion University Gil Zalsman , Geha Mental Health Center Zvi Fischel , Geha Mental Health Center Kfir Feffer , Lev-Hasharon mental health center Leon Grunhaus , Jerusalem Mental Health Center	Neuro-epigenetics of neuropsychiatric disorders - novel aspects, technological advances and obstacles for translational findings and applications Chairs: Asaf Marco , Hebrew University Elad Lax , Ariel University Loss of the methyl-CpG reader Mbd2 results in altered gene-expression of autism-risk genes and autism-like phenotype Elad Lax , Ariel University Pre-reproductive stress in adolescent female rats alters oocyte microRNA expression and offspring phenotypes: pharmacological interventions and putative mechanisms Inna Gaisler-Salomon , University of Haifa Epigenetic regulation of embryonic and early life stress on life-long and heritable responses Noam Meiri , The Volcani Center Crosstalk between epigenetic, microbiome and metabolome in the progress of drug addicts' rehabilitation Gal Yadid , Bar Ilan University	A Decision-Making Perspective on Neurodevelopmental Disorders Chairs: Yehuda Pollak , Hebrew University Eldad Yechiam , Technion - Israel Institute of Technology The effect of methylphenidate and mixed amphetamine salts on cognitive reflection: A field study Eldad Yechiam , Technion - Israel Institute of Technology The online search decisions of individuals with self-stated autism Elad Yom-Tov , Technion - Israel Institute of Technology Making High-risk, high gain decisions: insights from ADHD Ronny Geva , Bar Ilan University DHD is linked to suboptimal decision making and preference inconsistency Yehuda Pollak , The Hebrew University of Jerusalem	Using biological knowledge to improve treatment in perinatal psychiatry Chair: Vered Bar , Chaim Sheba Medical Center Inbal Reuveni , Hadassah Medical Center Challenging the estrogen protection hypothesis: Two case reports of psychosis in high estrogen states Maya Sheffer , Chaim Sheba Medical Center Outcomes of CBT group therapy following stillbirth Tamar Hermesh , Chaim Sheba Medical Center The infant's evolving brain in the context of the parent-infant interaction - From Neurobiology to clinical implications Elad Green Halimi , Chaim Sheba Medical Center; Hebrew University, Jerusalem A comprehensive model in perinatal psychiatry – Treating mothers and babies together to wellness Vered Bar , Chaim Sheba Medical Center
16:00-16:30	Coffee break and exhibition in the foyer			
16:30-17:15	PLENARY LECTURE 3 Opera C Hall The future of predictive medicine: Mental health Ben Reis , Harvard Medical School and the Boston Children's Hospital, USA			
17:15-17:30	Short Break			
17:30-18:15	INVITED LECTURE 1 - Zoom - Opera C Hall Finding strengths in vulnerable populations: The mental health effects of the COVID pandemic in psychosis and homelessness Michael F. Green UCLA, USA	INVITED LECTURE 2- Zoom - Opera B Hall Advanced neuropsychiatry approach to Huntington's disease Karen Elta Anderson Georgetown University School of Medicine, USA	INVITED LECTURE 3 - Zoom - Opera A Hall Cognitive flexibility in depression: Examining the relation to emotion regulation Jutta Joormann , Yale University, USA	
18:15-18:30	Short Break			
18:30-19:30	שיבת מליאה, בחירת חברים חדשים לועד האיגוד			
19:30-21:00	Dinner - dining room			"החממה לרופאים חוקרים" - ארוחת ערב עם המנטורים
21:00	symphonia hall - אהוד בנאי - הופעה			
Thursday, March 24, 2022				
6:45-8:30	Breakfast - Dining room			"החממה לרופאים חוקרים" - ארוחת בוקר עם המנטורים
6:00-7:00	Morning jog or cycling			
8:30-10:30	Scientific Triathlon - Opera B Hall			
	American Journal of Psychiatry Inbal Reuveni , Hadassah Medical Center Molecular Psychiatry Yoni Kupchik , The Hebrew University of Jerusalem Psychiatry High Impact Journals Raz Gross , Sheba Medical Center & Sackler Faculty of Medicine, Tel-Aviv University			
10:30-11:00	Coffee break and exhibition in the foyer			
11:00-12:00	ISBP Award Ceremony & Best Poster Awards - Opera B Hall			
12:00-13:30	Lunch			