Curriculum Vitae
ITAY HADAS, MSc, Ph.D.

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Education

Ph.D. studies. Computational Psychiatry. **Nov 2011** – **Mar 2017**
Faculty of Natural Sciences, Ben-Gurion University of the Negev, Beer Sheva, ISRAEL.
Thesis: Manipulation of Attention and its Neurobiological Consequences.
Supervised by Prof. Abraham Zangen

M.Sc. studies. Translational Psychopharmacology. **Sep 2007** – **Sep 2010**
Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer Sheva, ISRAEL.
Thesis: Lithium–inositol interaction on behavioral models for depression and mania.
Supervised by Prof. Y Bersudsky, Prof. RH Belmaker.

B.Sc. Life-Sciences studies. **Sep 2003** – **Sep 2006**
Faculty of Natural Sciences, Ben-Gurion University of the Negev, Beer Sheva, ISRAEL.

Professional Summary

My research has been focused on the brain mechanisms underlying neuropsychiatric disorders, with the goal of developing innovative and more effective diagnostics and therapeutics to improve patients' quality of life. A significant part of my work is dedicated to identifying neurophysiological depression biomarkers capable of predicting clinical outcomes and supporting decision-making in neurostimulation trials. I have been deeply involved in research utilizing a range of neuromodulatory technologies, including repetitive transcranial magnetic stimulation (rTMS), magnetic seizure therapy (MST), and electroconvulsive therapy (ECT) to treat conditions such as depression, OCD, ADHD, and bipolar disorder. My expertise in neurophysiology and brain imaging analysis has been instrumental in refining brain stimulation targeting and optimizing brain stimulation efficacy.

I have served as principal and co-investigator on multimillion-dollar clinical trials, with roles in clinical trial management, regulatory compliance (FDA, IRB), training, and mentorship. By bridging computational neuroscience with translational research, I aim to advance precision neuropsychiatric interventions and contribute to next-generation diagnostics through a deeper understanding of brain and behavior.

Google Scholar profile: https://scholar.google.com/citations?user=oibb6ccAAAAJ

Experience

Scientific & Technological Consultant. Deliberate.ai & Salma Health **Nov 2024** – **Now**

- Developed multimodal AI diagnostic tools for mental health, optimizing feature selection and design while maintaining high model performance.
- Designed and strategized evidence-based mental health evaluation products leveraging NLP, audio, facial expressions, and behavioral analytics.

Research Scientist. Interventional Psychiatry Center, UC San Diego Health. **Oct 2023** – **Nov 2024**

- Awarded with a **Milken Institute Baszucki Brain Research Grant** to develop a brain-stimulation intervention targeting a brain-circuitry to treat bipolar disorder and developing response biomarkers. Led this clinical trial and published the results recently.
- Awarded with **Young Investigator NARSAD Grant** to develop of a machine learning depression clinical grade biomarker integrating fMRI, DTI and TMS-EEG.
- Served as **co-investigator in a DARPA-funded trial** and developed a personalized treatment-targeting for depression in traumatic brain injury using multimodal neurophysiological data analysis.

- Served as **co-investigator in a NIH R61/R33 clinical trial** for developing an EEG pipeline to personalize theta-burst brain stimulation frequency in depressed patients.
- Collaborated with healthcare, academia, and industry partners to validate prototypes and advance clinical applications for FDA approved protocols and devices prototypes.
- Supervised and mentored students, scientists, and clinical professionals, fostering skill development, research excellence, and cross-disciplinary collaboration.

Project Scientist. Interventional Psychiatry Center, UC San Diego Health. **Sep 2020** – **Oct 2023**

- Served as **co-investigator in a Wellcome Leap-funded** international, multi-site initiative, developing specialized machine learning models for integration into a generalized multi-modal diagnostic framework for anhedonic depression.
- Established and managed a state-of-the-art clinical research infrastructure for brain stimulation clinical trials, integrating FDA-approved and prototype neuromodulatory technologies with advanced neurophysiological, behavioral and imaging techniques.
- Designed automated, cloud-based pipelines for preprocessing, brain-stimulation targeting and data QA to support incoming patients processing and research.
- Led IRB regulatory submissions and ensured full FDA and HIPAA compliance for clinical research operations.
- Setup electronic health records systems (EHR) to support data-rich clinical trials.

Postdoctoral Researcher. Temerty Centre, The Centre for Addiction and Mental Health (CAMH). Toronto, ON, Canada. **Sep 2017** – **Sep 2020**

- Developed and validated automated signal processing pipelines for EEG and TMS-EEG biomarkers in clinical trials.
- Built QA, data storage, and time-series analysis pipelines to support personalized treatment approaches.
- Conducted large-scale analysis (3,800+ patients) of the STAR*D EHR dataset, identifying predictors of suicidality and depression remission using R.
- Presented posters and gave talks at international conferences about brain stimulation and neuropsychiatric studies.

Postdoctoral Researcher. Ben-Gurion University of the Negev, Beer Sheva, Israel **Mar 2017** – **Sep 2017**

- Developed neurophysiological mechanistic and machine-learning biomarkers.
- Involved in Deep-rTMS clinical trials for FDA indications, such as: ADHD, Substance Dependence (nicotine and alcohol), Depression, OCD.

Teaching Instructor. Life science department, Ben-Gurion University of the Negev, Beer Sheva, ISRAEL. **Nov 2011** – **Mar 2015**

- Prepared syllabus, presentations, exams, and taught in classes.

Professional Affiliations and Services

- **Journal of Clinical Neurophysiology, Editorial Board Member** **2023 – Present**

  Reviewed and helped facilitate over 90 manuscripts, dealing with brain electrophysiology, neuromodulation, behavioral tasks and computational analysis methods *(reviewed additional manuscripts for other prestigious neuropsychiatric journals)*.

- **Brain Stimulation Journal, Social Media Editor** **2022 – Present**

  Curate weekly paper summaries to promote young investigators' publications on Twitter/X, growing engagement and followers. Created LinkedIn page highlighting investigators' publications and conference activities, reaching 2,000 followers to date.

Travel Awards

- Israel Society of Biological Psychiatry travel award (twice)
- Zlotowski Center for Neuroscience travel award
- Champalimaud center of the unknown symposium admission and membership award

Grants and Awards

Award, Brain and Behavior Research Foundation (NARSAD) **2023 – 2025**

Limbic network response biomarkers for accelerated intermittent theta burst stimulation - **Role: PI**
Overall Goals: The aim of this study is to develop biomarkers for brain stimulation trial for treatment resistant depression. These neurophysiological biomarker models are validated in association with additional cutting-edge imaging technics and multimodal features.

Grant, Milken Institute and Baszucki Brain Research Fund Grant **2021 – 2024**

Bipolar efficacy biomarkers for accelerated intermittent theta burst rTMS trial - **Role: PI**
Overall Goals: This study aims to assess the efficacy and corroborate neurophysiological biomarkers for accelerated brain stimulation in treatment of depression symptoms in bipolar patients.

Grant, Brain & Behavior Research foundation, NARSAD grant **2022 – 2024**

Bilateral Theta Burst Stimulation for Suicidality in Treatment-Resistant Depression
Role: Collaborator (PI Dr. Cory Weissman)
Overall Goals: This study aims to assess the efficacy, and corroborate neurophysiological biomarkers for bilateral theta burst stimulation treatment for suicidality in treatment-resistant depression.

Grant, National Institute of Health **2018 – 2022**

Confirmatory Safety and Efficacy Trial of Magnetic Seizure Therapy for Depression (CREST-MST)
Role: Co-investigator (PI Dr. Z.J. Daskalakis)
Overall Goals: evaluating magnetic seizure therapy efficacy in relation to electroconvulsive therapy.

Grant, Wellcome Leap **2021 – 2024**

Personalized Therapeutic Neuromodulation for Anhedonic Depression - Role: Co-investigator
Overall Goals: multi-center collaborative effort for constructing neurophysiological / imaging / facial expression / motion diagnostic machine learning models for anhedonic depression in accelerated intermittent theta burst stimulation.

Grant, DOD **2023 – 2026**

Combined Neuromodulation and Cognitive Training for Post-mTBI Depression
Role: Co-investigator (PI Dr. Elizabeth Twamley)
Overall Goals: Double-blinded RCT comparing PACT+iTBS to PACT+sham iTBS for Veterans, Service Members, and civilians with depression in the chronic phase of mTBI.

Grant, National Institute of Health **2023 – 2025**

Frequency and E-field Enhancement of ITBS for Depression (FREED)
Role: Co-investigator (PI Dr. Z.J. Daskalakis)
Overall Goals: Enhancing intermittent theta burst stimulation treatment for depression using electric field brain modeling and personalized theta/gamma frequencies.

First Authored Publications

- Hadas, Itay, Reza Zomorrodi, Aron T. Hill, Yinming Sun, Paul B. Fitzgerald, Daniel M. Blumberger, and Zafiris J. Daskalakis. "Subgenual Cingulate Connectivity and Hippocampal Activation Are Related to MST Therapeutic and Adverse Effects." Translational Psychiatry 10, no. 1 (November 10, 2020): 1–8. https://doi.org/10.1038/s41398-020-01042-7.
  contribution: data processing, curating and analyzing, study conceptualizing, figures production, manuscript writing.
- Hadas, Itay, Aviad Hadar, Avi Lazarovits, Zafiris J. Daskalakis, and Abraham Zangen. "Right Prefrontal Activation Predicts ADHD and Its Severity: A TMS-EEG Study in Young Adults." Progress in Neuro-Psychopharmacology and Biological Psychiatry 111 (December 20, 2021): 110340. https://doi.org/10.1016/j.pnpbp.2021.110340.
  contribution: study design, data collection (TMS-EEG, questionnaires, cognitive tasks), data curating, processing and analyzing, conceptualizing, figures production, manuscript writing.
- Hadas, Itay, Yinming Sun, Pantelis Lioumis, Reza Zomorrodi, Brett Jones, Daphne Voineskos, Jonathan Downar, Paul B. Fitzgerald, Daniel M. Blumberger, and Zafiris J. Daskalakis. "Association of Repetitive Transcranial Magnetic Stimulation Treatment With Subgenual Cingulate Hyperactivity in Patients With Major Depressive Disorder: A Secondary Analysis of a Randomized Clinical Trial." JAMA Network Open 2, no. 6 (June 5, 2019): e195578–e195578. https://doi.org/10.1001/jamanetworkopen.2019.5578.
  contribution: manuscript writing, data processing, curating and analyzing, figures production.

- Hadas, Itay, Ram Gal, Lihi Bokovza, Nachshon Meiran, David Feifel, and Abraham Zangen. “Exposure to Salient, Dynamic Sensory Stimuli during Development Increases Distractibility in Adulthood.” Scientific Reports 6 (February 17, 2016): 21129. doi:10.1038/srep21129.
  contribution: manuscript writing, study design, data processing and analysis, figures production, data collection and project management.

Peer Reviewed Publications

- Appelbaum, L.G., … **Hadas, I**., Daskalakis, Z.J., 2025. “Accelerated Intermittent Theta-Burst Stimulation for Treatment-Resistant Bipolar Depression: A Randomized Clinical Trial.” JAMA Network Open 8, e2459361. https://doi.org/10.1001/jamanetworkopen.2024.59361
  contribution: **Principal Investigator – Grant Awardee**, Design and Conceptualization, Regulation, Imaging, Neurophysiological and Clinical questionnaire pipelines, Analysis, manuscript writing.
- Noah Stapper, MS; Lindsay L. Benster, MS; Sahit Menon; Emma C. Boyd, MS; Mohsen Poorganji; PhD; Itay Hadas, PhD; Yinming Sun, PhD; Lawrence G. Appelbaum, PhD; Zafiris J. Daskalakis, MD, PhD; Cory R. Weissman, MD, PhD. “Neurophysiological Biomarkers of Treatment Response in Suicidal Ideation: A Systematic Review”.
  In review at Nature Translational Psychiatry
- Smith, Sydney E., Eena L. Kosik, Quirine van Engen, Jordan Kohn, Aron T. Hill, Reza Zomorrodi, Daniel M. Blumberger, Zafiris J. Daskalakis, Itay Hadas* and Bradley Voytek*. “Magnetic Seizure Therapy and Electroconvulsive Therapy Increase Aperiodic Activity.” Translational Psychiatry 13, no. 1 (November 16, 2023): 1–11. https://doi.org/10.1038/s41398-023-02631-y
  contribution: ***Co-last author**. study supervision and conceptualizing, data processing, curating and analyzing, manuscript writing.
- Wang, B., Shah, V., Koponen, L., Goetz, S., Neacsiu, A., Choi, J., Daskalakis, Z., Fitzgerald, P., Appelbaum, L.G., Hadas, I., Daniels, H., Rodrigues, K., Gotsis, E.S., Bailey, N., Raveendran, J., Gallo, A., Brinley, S., Peterchev, A., 2024. Stochastic Approximator of Motor Threshold for Transcranial Magnetic Stimulation (SAMT): Performance in Clinical Trials. neuromodecJ. https://doi.org/10.31641/nmj-DIHO5587
- Hill, Aron T., Neil W. Bailey, Reza Zomorrodi, Itay Hadas, Melissa Kirkovski, Sushmit Das, Jarrad A. G. Lum, and Peter G. Enticott. “EEG Microstates in Early-to-Middle Childhood Show Associations with Age, Biological Sex, and Alpha Power.” Human Brain Mapping 44, no. 18 (2023): 6484–98.
  contribution: analysis, conceptualizing, writing.
- Mohsen Poorganji, Reza Zomorrodi, Aiyush Bansal, Colin Hawco, Aron T. Hill, Itay Hadas, Tarek K. Rajji, Robert Chen, Daphne Voineskos, Daniel M. Blumberger, Zafiris J. Daskalakis. “Phase of ongoing cortical oscillations modulates prefrontal cortical reactivity in healthy subjects and patients with major depressive disorder” (submitted to Clinical Neurophysiology)
  contribution: data curating and analysis, conceptualizing, writing.
- Helena K. Kim, Cory R. Weissman, Kathrin Tyryshkin, Itay Hadas, Zafiris J. Daskalakis. "Predictors of remission from depression in patients with and without suicidal ideation: A secondary analysis of the STAR*D trial" (submitted to Psychological Medicine)
  contribution: data curating and analysis, conceptualizing.
- Daskalakis, Zafiris J., Shawn M. McClintock, Itay Hadas, Elisa Kallioniemi, Reza Zomorrodi, Alanah Throop, Lucy Palmer, et al. “Confirmatory Efficacy and Safety Trial of Magnetic Seizure Therapy for Depression (CREST-MST): Protocol for Identification of Novel Biomarkers via Neurophysiology.” Trials 22, no. 1 (December 2021): 1–8. https://doi.org/10.1186/s13063-021-05873-7.
- Desforges, Manon, Itay Hadas, Brian Mihov, Yan Morin, Mathilde Rochette Braün, Pantelis Lioumis, Reza Zomorrodi, et al. “Dose-Response of Intermittent Theta Burst Stimulation of the Prefrontal Cortex: A TMS-EEG Study.” Clinical Neurophysiology 136 (January 20, 2022): 158–72. https://doi.org/10.1016/j.clinph.2021.12.018.
- Poorganji, Mohsen, Reza Zomorrodi, Colin Hawco, Aron T. Hill, Itay Hadas, Tarek K. Rajji, Robert Chen, et al. “Differentiating Transcranial Magnetic Stimulation Cortical and Auditory Responses via Single Pulse and Paired Pulse Protocols: A TMS-EEG Study.” Clinical Neurophysiology 132, no. 8 (August 1, 2021): 1850–58. https://doi.org/10.1016/j.clinph.2021.05.009.
- Hill, Aron T., Itay Hadas, Reza Zomorrodi, Daphne Voineskos, Paul B. Fitzgerald, Daniel M. Blumberger, and Zafiris J. Daskalakis. “Characterizing Cortical Oscillatory Responses in Major Depressive Disorder Before and After Convulsive Therapy: A TMS-EEG Study.” Journal of Affective Disorders 287 (May 15, 2021): 78–88. https://doi.org/10.1016/j.jad.2021.03.010.
  contribution: conceptualizing, manuscript writing, data curating and analysis.

- Cory R Weissman, Itay Hadas, Dengdeng Yu, Brett Jones, Dehan Kong, Benoit H. Mulsant, Daniel M. Blumberger, and Zafiris J. Daskalakis. "Predictors of Change in Suicidal Ideation across Treatment Phases of Major Depressive Disorder: Analysis of the STAR*D Data." Neuropsychopharmacology, January 21, 2021, 1–7. https://doi.org/10.1038/s41386-020-00953-9.
  contribution: data curating and analysis, conceptualizing.
- Hill, Aron T., Reza Zomorrodi, Itay Hadas, Faranak Farzan, Daphne Voineskos, Alanah Throop, Paul B. Fitzgerald, Daniel M. Blumberger, and Zafiris J. Daskalakis. "Resting-State Electroencephalographic Functional Network Alterations in Major Depressive Disorder Following Magnetic Seizure Therapy." Progress in Neuro-Psychopharmacology and Biological Psychiatry, August 24, 2020, 110082. https://doi.org/10.1016/j.pnpbp.2020.110082.
  contribution: conceptualizing, data curating and analysis.
- Hui, Jeanette, Reza Zomorrodi, Pantelis Lioumis, Elnaz Ensafi, Daphne Voineskos, Aristotle Voineskos, Itay Hadas, Tarek K. Rajji, Daniel M. Blumberger, and Zafiris J. Daskalakis. "Altered Interhemispheric Signal Propagation in Schizophrenia and Depression." Clinical Neurophysiology, April 26, 2021. https://doi.org/10.1016/j.clinph.2021.03.039.
  contribution: conceptualizing, data processing and analysis.
- Hill, Aron T., Itay Hadas, Reza Zomorrodi, Daphne Voineskos, Faranak Farzan, Paul B. Fitzgerald, Daniel M. Blumberger, and Zafiris J. Daskalakis. "Modulation of Functional Network Properties in Major Depressive Disorder Following Electroconvulsive Therapy (ECT): A Resting-State EEG Analysis." Scientific Reports 10, no. 1 (October 13, 2020): 17057. https://doi.org/10.1038/s41598-020-74103-y.
- Lioumis, Pantelis, Reza Zomorrodi, Itay Hadas, Zafiris J. Daskalakis, and Daniel M. Blumberger. "Combined Transcranial Magnetic Stimulation and Electroencephalography of the Dorsolateral Prefrontal Cortex." JoVE (Journal of Visualized Experiments), no. 138 (August 17, 2018): e57983–e57983. doi:10.3791/57983.
  contribution: manuscript Co-writer
- Hadar, Aviad, Itay Hadas, Avi Lazarovits, Uri Alyagon, Daniel Eliraz, and Abraham Zangen. "Answering the Missed Call: Initial Exploration of Cognitive and Electrophysiological Changes Associated with Smartphone Use and Abuse." PLOS ONE 12, no. 7 (July 5, 2017): e0180094. doi:10.1371/journal.pone.0180094.
  contribution: study design, data processing and analysis, figures production, manuscript co-writing, data collection.
- Toker, L, N Kara, I Hadas, H Einat, Y Bersudsky, R H Belmaker, and G Agam. "Acute Intracerebroventricular Inositol Does Not Reverse the Effect of Chronic Lithium Treatment in the Forced Swim Test." Neuropsychobiology 68, no. 3 (October 24, 2013): 189–92. doi:10.1159/000355294.
  contribution: study design, data collection.
- Cleary, C., J.A.S. Linde, K.M. Hiscock, I. Hadas, R.H. Belmaker, G. Agam, S. Flaisher-Grinberg, and H. Einat. "Antidepressive-like Effects of Rapamycin in Animal Models: Implications for MTOR Inhibition as a New Target for Treatment of Affective Disorders." Brain Research Bulletin 76, no. 5 (July 30, 2008): 469–73. doi:10.1016/j.brainresbull.2008.03.005.
  contribution: data collection and analysis.

Selected Talks and Poster Presentations

- Hadas, I., D. Blumberger, and Z. Daskalakis. "Subgenual cingulate hyperactivity in depression is reversed by rTMS and MST". 14th World Congress of Biological Psychiatry (2019), Vancouver, Canada.
- Hadas, I., D. Blumberger, and Z. Daskalakis. "Hyperactivation of the Subgenual Cingulate in Depressed Patients That Is Normalized with rTMS Treatment." Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation 12, no. 2 (March 1, 2019): 541–42. Vancouver, Canada, https://doi.org/10.1016/j.brs.2018.12.787.
- Itay Hadas, Yinming Sun, Pantelis Lioumis, Reza Zomorrodi, Daphne Voineskos, Brett Jones, Cory Weismann, Daniel M. Blumberger, Zafiris J. Daskalakis. "Hyper-Activation of Subgenual Cingulate in Depressed Patients Evoked by Dorsolateral Prefrontal Cortex Transcranial Stimulation", presented at: Society of Biological Psychiatry, 2018, New York, NY, USA.
- Itay Hadas, Amir Avnit, Uri Alyagon, Abraham Zangen. "TMS evoked potential over the right prefrontal cortex and response inhibition ERP provide a biomarker for ADHD", presented at: the society for neuroscience annual meeting, 2017, Washington DC, USA.
- Itay Hadas , Uri Alyagon, Abraham Zangen. "Electrophysiological, Behavioral and TMS Evoked Potentials Correlates of ADHD", presented at: BrainTech, 2017, Tel Aviv, Israel.

- Itay Hadas, Lihi Bokovza, Abraham Zangen “Repeated sensory load post-weaning induces lasting alterations in attentional functions and BDNF expression”, presented at: the society for neuroscience annual meeting, 2014, Washington DC, USA.
- Itay Hadas, Lihi Bokovza, Abraham Zangen “Long-lasting attentional impairments induced by sensory loading during development”, presented at: The 18th annual meeting of the Israel Society for biological Psychiatry, March 2014, Hagoshrim, Israel.
- Itay Hadas, Lihi Bokovza, Abraham Zangen “Attention load during early development and its behavioral and neurobiological effects in adulthood” presented at: the Champalimaud Neuroscience Symposium, 2013, Lisbon, Portugal.
- Itay Hadas, Lihi Bokovza, Abraham Zangen “Attention load during early development and its behavioral and neurobiological effects in adulthood”, presented at: The 22nd Annual Meeting of the Israel Society for Neuroscience, 2013, Eilat, Israel.
- Itay Hadas, Lihi Bokovza, Abraham Zangen “Behavioral effects of attentional load during early development”, presented at: The 17th annual meeting of the Israel Society for biological Psychiatry, March 2013, Hagoshrim, Israel.
- Levy D.R, Hadas I, Kimchi T. “The nasopalatine ducts: a forgotten pathway to the vomeronasal organ”, presented at: The 19th Annual Meeting of the Israel Society for Neuroscience, 2010, Eilat, Israel.
- Liza Shtein, Itay Hadas, Yuly Bersudsky, RH Belmaker, Galila Agam “reduced survival of homozygote inositol monophosphatase knockout mice on inositol- deficiency diet”, presented at: The XXVII Collegium Internationale Neuro-Psychopharmacologicum (CINP) meeting, June 2010, Hong Kong, China.
- Itay Hadas, Lilach Toker, Yael Eskira, Robert H. Belmaker, Galila Agam and Yuly Bersudsky “Inositol transporter knockout mice show a lithium-like phenotype in the amphetamine-induced hyperactivity paradigm”, presented at: The XXVII Collegium Internationale Neuro-Psychopharmacologicum (CINP) meeting, June 2010, Hong Kong, China.
- Itay Hadas, Yael Eskira, Galila Agam, RH Belmaker and Yuly Bersudsky “Inositol reversibility of pilocarpine sensitivity of SMIT knockout mice”, presented at: The 18th Annual Meeting of the Israel Society for Neuroscience, November 2009, Eilat, Israel.
- Itay Hadas, Caitlin Cleary, RH Belmaker, Galila Agam and Haim Einat “Antidepressive-like effects of rapamycin in animal models: Implications for mTOR inhibition as a new target for treatment of affective disorders”, presented at: The 13th annual meeting of the Israel Society for biological Psychiatry, March 2009, Hagoshrim, Israel.
- Itay Hadas, Galila Agam, RH Belmaker, Yuly Bersudsky “IMPA1 knockout mice survive on inositol deficiency diet”, presented at: The XXVI Collegium Internationale Neuro-Psychopharmacologicum (CINP) meeting, July 2008, Munich, Germany.
- Itay Hadas, Yael Eskira, Yuly Bersudsky “Lithium's effect in the forced-swim test is not reversed by chronic oral inositol”, presented at: The 12th annual meeting of the Israel Society for biological Psychiatry, March 2008, Kfar-Giladi, Israel.
- Itay Hadas, Galila Agam, RH Belmaker, Yuly Bersudsky “IMPA1 KO mice on inositol deficiency diet and tail suspension test”, presented at: The 16th Annual Meeting of the Israel Society for Neuroscience, November 2007, Eilat, Israel.