

**CURRICULUM VITAE - Hagit Cohen, Ph.D****PERSONAL DETAILS**

**Name:** Cohen Hagit  
**Data and place of birth:** March 3, 1966, Beer-Sheva, Israel  
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**EDUCATION**

**B.Sc:** 1984 – 1987, Ben-Gurion University of the Negev, Beer-Sheva, Israel, Department of Life-Sciences.

**M.Sc:** 1987 – 1989, Ben-Gurion University of the Negev, Beer-Sheva, Israel, Department of Bio-Medical Engineering and Department of Life-Sciences.  
Supervisors: Prof. Arnon Cohen, Department of Electrical Engineering & Prof. Yair Cassuto, Department of Life-Sciences. *Thesis title:* "Estimation of Mental Fatigue by use of Spectral Analysis of Electrophysiological Signals".

**Ph.D:** 1990 – 1994, Ben-Gurion University of the Negev, Beer-Sheva, Israel, Department of Bio-Medical Engineering and Department of Life-Sciences.  
Supervisors: Prof. Arnon Cohen, Department of Electrical Engineering & Prof. Yair Cassuto, Department of Life-Sciences. *Thesis title:* "Estimation of Mental Fatigue by use of Spectral Analysis of Electrophysiological Signals".

**PROFESSIONAL ACTIVITIES****(a) Position in academic administration**

**2016 – Present** Jack Dreyfus Chair in Psychiatry, Ben-Gurion University of the Negev.

**2011 – Present** Professor, Faculty of Health Sciences Division of Psychiatry, Ben-Gurion University of the Negev.

- 2006 – 2011** Associate Professor, Faculty of Health Sciences Division of Psychiatry, Ben-Gurion University of the Negev.
- 2001 - 2006** Senior Lecturer, Faculty of Health Sciences Division of Psychiatry, Ben-Gurion University of the Negev.
- 1997 - 2001** Lecturer, Faculty of Health Sciences, Division of Psychiatry, Ben-Gurion University of the Negev.
- 1996 - 1997** Instructor, Division of Psychiatry, Ben-Gurion University of the Negev.

**(b) Professional function:**

- 2005 – Present Head, Internal Review Board for clinical trails - Ministry of Health, Beer-Sheva Mental Health Center.
- 2002 – Present Head of Research and Development, Ministry of Health Mental Health Center, Beer-Sheva.
- 2003 – 2005 Member of the Steering Committee For Research Experience for undergraduate students in all tracks of the Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva.

**EMPLOYMENT HISTORY**

- 1998 - Present** Head of the Anxiety & Stress Research Laboratory/Unit, Ministry of Health Mental Health Center, Division of Psychiatry, Ben-Gurion University of the Negev, Beer-Sheva.
- 2008 - Present** Adjunct member Department of Psychology, Ben-Gurion University of the Negev, Beer-Sheva.
- 1995 -1998** Investigator in the Anxiety & Stress Research Laboratory/Unit, Ministry of Health Mental Health Center, Division of Psychiatry, Ben-Gurion University of the Negev, Beer-Sheva.
- 1994 - 1995** Post-doctoral fellowship, Department of Clinical Pharmacology, Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel.

**AWARDS, CITATIONS, HONORS FELLOWSHIP**

- 1997** European College of Neuro-Psychopharmacology Fellowship Award. “Heart Rate Variability Analysis in Post Traumatic Stress Disorder Patients in Response to a Trauma-Related Reminder”.
- 1998** Young investigator travel award - Collegium International Neuro-psychopharmacologicum (CINP) Congress, Glasgow Scotland.
- 1999** Israel Society for Biological Psychiatry Award. “The Application of Heart Rate Variability Analysis as a Tool for the Study of Pathophysiologic Changes and the Assessment of Drug Response in Post-Traumatic Stress Disorder and Related Disorders”.
- 2000** Collegium International Neuro-psychopharmacologicum (CINP) Rafaelsen Fellowship Award. “Intraperitoneal administration of Cholecystokinin-antisense oligodeoxynucleotides in rats: A new strategy in the treatment of anxiety?”
- 2002** A.E Bennett Research Award for Basic Science, American Society of Biological Psychiatry. “The Relevance of Differential Response to Trauma in an Animal Model of Post-traumatic Stress Disorder”.
- 2003** American College of Neuropsychopharmacology Memorial Award. “An Animal Model for Post traumatic Stress Disorder”.
- 2007** Toronto Award for excellence in research. Ben-Gurion University of the Negev.
- 2019** The Israel Society for Biological Psychiatry and the National Institute of Psychobiology in Israel – Clinicians-Researchers Collaboration Study in Psychiatry Award.

**SCIENTIFIC PUBLICATIONS**

1. **Cohen H**, Bar-Haim N, Kotler M. Acute Inositol induces Anxiety in Rats. *Biological Psychiatry* 40:426-427, 1996.
2. Kotler M, **Cohen H**, Matar MA, Amir Marian, Bleich A, Kaplan Z. The Tridimensional Personality Questionnaire (TPQ) in Post Traumatic Stress Disorder (PTSD) patients. *Depression and Anxiety* 2: 251-253, 1996.
3. **Cohen H**, Kaplan Z, Kotler M. Intracerebroventricular (icv) administration of CCK-antisense oligodeoxynucleotides prevent anxiety-behavior in rats. *European Neuropsychopharmacology*, 6:153-154, 1996.
4. Cohen H, Friedberg S, Kotler M, Kaplan Z. Interaction of CCK-4 induced anxiety and post-cat exposure anxiety in rats. *Depression and Anxiety*, 4:144-145, 1997.
5. **Cohen H**, Kotler M, Kaplan Z, Matar MA, Kofman O, Belmaker RH. Inositol has centrally-mediated psychoactive effects with adaptation after chronic administration. *Journal of Neural Transmission*, 104: 299-305, 1997.
6. **Cohen H**, Kotler M, Matar MA, Kaplan Z, Miodownik H, Cassuto Y. Power spectral analysis of Heart rate Variability in Post Traumatic Stress Disorder Patients. *Biological Psychiatry*, 41:627-629, 1997.
7. Kotler M, **Cohen H**, Segman R, Gritsenko I, Lerer B, Kramer I, Zerzion, Ebstein RP. Excess dopamine D-4 receptor (D4DR) exon III seven repeat allele in opiate dependent subjects. *Molecular Psychiatry*, 2:251-254, 1997.
8. Rabinowitz J, **Cohen H**, Kotler M. Desintoxication ultra rapide aux opiaces associee au maintien de Naltrwxone: resultats a un an (French). *Medisearch*, 98: 36-39, 1997.
9. Rabinowitz J, **Cohen H**, Tarrasch R, Kotler M. Compliance to Naltrexone treatment after Ultra Rapid Opiate Detoxification. *Drug and Alcohol Dependence* 47: 77-86, 1997.
10. Kindler S, Dolberg OT, **Cohen H**, Hirschmann S, Kotler M. Fluoxetine Treatment of Premature Ejaculation and Panic disorder. *Clinical Neuropharmacology* 20(5): 466-471, 1997.
11. Rabinowitz J, **Cohen H**, Kotler M. Outcome of a Novel Approach to Rapid Opiate Detoxification combined with Naltrexone Maintenance. *Psychiatric Services*, 49(6): 831-833, 1998.
12. Einat H, Elkabaz-Shwartz Z, **Cohen H**, Kofman O, Balmaker RH. Chronic EPI-Inositol is anxiolytic in the plus maze model in rats. *International Journal of Neuropsychopharmacology*, 1(1): 31-34, 1998.
13. **Cohen H**, Loewenthal U, Kaplan Z, Kotler M. Heart Rate Variability Frequency Domain Analysis: Applications in Psychiatry. *Harefuah, Journal of the Israel Medical Association*, 134(11): 875-879, 1998.
14. Grisar N, Amir M, **Cohen H**, Kaplan Z. Effect of Transcranial Magnetic Stimulation in Post Traumatic Stress Disorder: A preliminary study. *Biological Psychiatry*, 44: 52-55, 1998.

15. **Cohen H**, Kotler M, Kaplan Z. Inhibition of anxiety in rats by antisense to cholecystokinin precursor protein. *Biological Psychiatry*, 44: 915-917, 1998.
16. **Cohen H**, Matar AM, Kaplan Z, Kotler M, Miodownik H, Cassuto Y. Analysis of Heart Rate Variability in Post-Traumatic Stress Disorder Patients: at rest and in response to a trauma-related reminder. *Biological Psychiatry* 44: 1054-1059, 1998.
17. **Cohen H**, Loewenthal U, Matar MA, Miodownik H, Kaplan Z, Cassuto Y, Kotler M. Autonomic dysregulation in Post Traumatic Stress Disorder Patients. *Harefuah, Journal of the Israel Medical Association* 135: 419-423, 1998.
18. Mel H, Horowitz R, Ohel N, Kramer I, Kotler M, **Cohen H**, Gritsenko I, Ebstein RP. Additional evidence for an association between the dopamine D4 receptor (D4DR) exon III seven-repeat allele and substance abuse in opioid-dependent subjects: Relationship of treatment retention to genotype and personality. *Addiction Biology* 3: 473-481, 1998.
19. Gritsenko I, Kotler M, **Cohen H**, Averbuch IE, Grinshpoon A, Ebstein RP. Aggressive, violent, and dangerous behavior associated with a polymorphism determining high and low catechol O-methyltransferase (COMT) activity. *American Journal of Medical Genetics*, 81 (6): 516-517, 1998.
20. **Cohen H**, Kotler M, Kaplan Z. CCK-Antagonists in a rat exposed to acute stress: Implication for anxiety association with posttraumatic stress disorder. *Depression and Anxiety* 10: 8-17, 1999.
21. **Cohen H**, Matar AM, Kaplan Z, Kotler M. Power spectral analysis of heart rate variability in Psychiatry. *Psychotherapy and Psychosomatics* 68: 59-66, 1999.
22. Kotler M, **Cohen H**, Krarmer I, Mel H, Horowitz R, Ohel N, Gritsenko I, Katz M, Ebstein RP. No association between the serotonin transporter promotor region (5-HTTLPR) and the dopamine D3 receptor (bal D3DR) polymorphisms and heroin addiction. *Molecular Psychiatry* 4, 313-316, 1999.
23. Kotler M, Peretz B, **Cohen H**, Averbooch I, Grinshpoon A, Segman R, Lerer B, Gritsenko I, Ebstein RP. Homicidal behavior in Schizophrenia associated with a genetic polymorphism determining low Catechol-O-Methyltrasferase (COMT) Activity. *American Journal of Medical Genetics* 88, 628-633, 1999.
24. **Cohen H**, Neuman L, Shore M, Amir M, Cassuto Y, Buskila D. Autonomic dysfunction in patients with Fibromyalgia: Application of power spectral Analysis of heart rate variability. *Seminars in Arthritis and Rheumatism* 29, 217-227, 2000.
25. Kofman O, **Cohen H**, Tenne H, Shoshana C, Einat H. The anxiolytic effect of chronic inositol depends on baseline level of anxiety. *Journal of Neural Transmission* 107(2), 241-253, 2000.
26. **Cohen H**, Kotler M, Matar AM, Kaplan Z. Normalization of heart rate variability in Posttraumatic Stress disorder patients following fluoxetine treatment: preliminary results. *The Israel Medical Association Journal* 2(4): 296-301, 2000.
27. Kotler M, Manor I, Sever J, Eisenberg J, Cohen H, Ebstein RP, Tyano S. Failure to replicate an excess of the long dopamine D4 exon III repeat polymorphism in ADHD in a family-based study. *American Journal of Medical Genetics*, 96: 278-281, 2000.

28. **Cohen H**, Benjamin J, Geva AG, Matar MA, Kaplan Z, Kotler M. Autonomic Dysregulation in Panic Disorder and in Posttraumatic Stress Disorder: Application of power spectrum analysis of heart rate variability at rest and in response to recollection of trauma or panic attacks. *Psychiatry Research* 6(1): 1-13, 2000.
29. Miodownik C, Lerner V, **Cohen H**, Kotler M. Serum Vitamin B6 in schizophrenic and schizoaffective patients with and without tardive dyskinesia. *Clinical Neuropharmacology* 23(4): 212-215, 2000.
30. Kotler M, **Cohen H**, Matar MA, Loewenthal U, Miodownik C, Zemishlany Z, Aizenberg D & Kaplan Z. Sexual Dysfunction in Male Post-Traumatic Stress Disorder Patients. *Psychotherapy and Psychosomatics* 69:309-315, 2000.
31. **Cohen H**, Kaplan Z, Kotler M. Administration of high dose Ketoconazole prevents anxiety in an animal model for Post Traumatic Stress Disorder (PTSD). *European Neuropsychopharmacology* 10(6): 429-435, 2000.
32. Horowitz R, Kotler M, Shufman E, Aharoni S, Kramer I, **Cohen H**, Ebstein R. Confirmation of an excess of the high enzyme activity COMT val allele in heroin addicts in a family-based haplotype relative risk study. *American Journal of Medical Genetics* 96(5): 599-603, 2000.
33. Manor I, Kotler M, Sever J, Eisenberg J, **Cohen H**, Ebstein RP, Tyano S. Failure to replicate an association between the catechol-O-methyltransferase (COMT) polymorphism and attention deficit hyperactivity (ADHD) in a second, independently recruited Israeli cohort. *American Journal of Medical Genetics* 96:858-860, 2000.
34. **Cohen H**, Loewenthal U, Matar MA, Kotler M. Reversal of pathologic cardiac parameters following transition from Clozapine to Olanzapine treatment. *Clinical Neuropharmacology* 24(2): 106-108, 2001.
35. **Cohen H**, Neumann L, Alhosshle A, Kotler M, Abu-Shakra M, Buskila D. Abnormal sympathovagal balance in Male Patients with Fibromyalgia. *The Journal of Rheumatology* 28(3): 581-589, 2001.
36. **Cohen H**, Loewenthal U, Matar MA, Kotler M. Association of autonomic dysfunction and clozapine: Heart rate variability assessment may be valuable in predicting risk for sudden death in schizophrenic patients on long-term psychotropic medication. *British Journal of Psychiatry* 179: 167-171, 2001.
37. Lerner V, Miodownik C, Kapsan A, **Cohen H**, Matar MA, Loewenthal U, Kotler M. Vitamin B<sub>6</sub> as add-on treatment in chronic schizophrenic and schizoaffective patients: A Double-Blind Crossover Study. *American Journal of Psychiatry* 158(9): 1511-1514, 2001.
38. Manor I, Eisenberg J, Tyano S, Sever Y, **Cohen H**, Ebstein RP, Kotler M. Family-based association study of the serotonin transporter promoter region polymorphism (5-HTTLPR) in attention deficit hyperactivity disorder. *American Journal of Medical Genetics*. 105 (1): 91-95, 2001.
39. **Cohen H**, Loewenthal U, Matar MA, Kotler M. Heart Rate Variability in Schizophrenic patients treated with antipsychotic agents. *Harefuah, Journal of the Israel Medical Association* 140(12): 1142-1147, 2001.

40. Lerner V, Miodownik C, Kaptsan A, **Cohen H**, Matar M, Lowenthal U, Kotler M. Lack of Effect of Vitamin B6 as Add-On Therapy on Psychotic Symptoms in Chronic Schizophrenic and Schizoaffective Patients: A Double-Blind Placebo-Controlled Study. *Journal of Clinical Psychiatry* 63:54-58, 2002.
41. Rabinowitz J, **Cohen H**, Atias S. Outcomes of naltrexone maintenance following Ultra Rapid Opiate Detoxification versus Intensive Inpatient Detoxification: An open label naturalistic study. *American Journal of addiction* 11(1):52-56, 2002.
42. **Cohen H**, Neumann L, Haiman Y, Matar A.M, Press J, Buskila D. Prevalence of Post-traumatic Stress Disorder in Fibromyalgia patients: Overlapping syndromes or a Post-traumatic Fibromyalgia syndrome? *Seminars in Arthritis and Rheumatism* 32(1):38-50, 2002.
43. **Cohen H**, Matar M, Buriakovsky I, Kotler M, Bourin M. Effect of intraperitoneal mRNA antisense- oligodeoxynucleotides to Cholecystokinin on anxiety-like and learning behaviors in rats: Association with pre-experimental stress. *Neuropeptides* 36(5): 341-352, 2002.
44. **Cohen H**, Zohar J, Matar MA. The Relevance of Differential Response to Trauma in an animal Model of Post-traumatic Stress Disorder. *Biological Psychiatry* 53(6):463-473, 2003. (Winner of the A.E. Bennett Research award).
45. **Cohen H**, Kaplan Z, Kotler M, Mittelman I, Osher Y, Bersudsky Y. Impaired heart rate variability in Euthymic Bipolar Disorder. *Bipolar Disorders* 5(2): 138-143, 2003.
46. Miodownik C, **Cohen H**, Kotler M, Lerner V. Vitamin B6 Add-On Therapy in Treatment of Schizophrenic Patients with Psychotic Symptoms and Movement Disorder. *Harefuah, Journal of the Israel Medical Association*, 142(8-9): 592-596, 2003.
47. **Cohen H**, Kaplan Z, Kotler M, Kouperman I, Moisa R, Grisaru N. Right Dorsolateral Prefrontal Cortex Repetitive Transcranial Magnetic Stimulation in Post-Traumatic Stress Disorder: A double blind, placebo-controlled study. *American Journal of Psychiatry*, 161(3): 515-524, 2004.
48. Kipnis J, **Cohen H**, Cardon M, Ziv Y, Schwartz M. T-Cell deficiency leads to cognitive impairment: Implications for therapeutic vaccination for schizophrenia and other psychiatric conditions. *Proceedings of the National Academy of Sciences USA (PNAS)*, 101, 8180-8185, 2004.
49. Buskila D, **Cohen H**, Neumann L, Ebstein P.R. An association between fibromyalgia and the dopamine D4 receptor exon III repeat polymorphism and relationship to Novelty Seeking personality traits. *Molecular Psychiatry*, 9(8): 730-731, 2004.
50. **Cohen H**, Zohar J, Kaplan Z, Matar MA, Loewenthal U, Richter-Levin G. Setting apart the affected: The use of behavioral criteria in animal models of Post Traumatic Stress Disorder. *Neuropsychopharmacology*, 29(11): 1968-1970, 2004.
51. **Cohen H**, Matar MA, Kaplan Z, Buriakovsky I, Kotler M, Bourin M. Different effects mediated by CCK1 and CCK2 receptors: Effect of intraperitoneal mRNA antisense-oligodeoxynucleotides to Cholecystokinin on anxiety-like and learning behaviors in rats. *Depression and Anxiety*, 20:139-152, 2004.
52. **Cohen H**, Zohar J. Animal Model of Post Traumatic Stress Disorder. *The Annals New-York Academy of Sciences*, 1032:167-178, 2004.

53. Todder D, Bersudsky Y, **Cohen H**. Non linear analysis of heart rate variability in Euthymic Bipolar Disorder. *Autonomic Neuroscience: Basic and Clinical*, 117(2): 127-131, 2005.
54. Levine Y, Kaplan Z, Buriakovsky I, Pettegrew JW, Gershon S, McClure R, **Cohen H**. Effect of intraperitoneal Acetyl-L-carnitine (ALCAR) on anxiety-like behaviors in rats. *The international Journal of Neuropsychopharmacology*, 8: 65-74, 2005.
55. Kaplan Z, **Cohen H**, Matar A. M, Witztum E. A model for therapeutic interventions in emotional responses to enforced geographical relocation of populations in Israel. *Harefuah, Journal of the Israel Medical Association*, 144: 234-236, 2005.
56. Belgorodsky A, Knyazhansky L, Loewenthal U, Arbelle J, **Cohen H**, Benjamin J. Effects of the Cortisol Synthesis Inhibitor Metyrapone on the Response to Carbon Dioxide Challenge in Panic Disorder. *Anxiety and Depression*, 21(3):143-148, 2005.
57. Kaplan Z, Matar M, Kamin R, Sadan T, **Cohen H**. Stress related responses after three years of exposure to terror in Israel: Are ideological-religious factors associated with resilience? *Journal of clinical psychiatry. J Clin Psychiatry* 66(9):1146-1154, 2005.
58. **Cohen H**, Zohar J, Matar M.A., Kaplan Z, Geva AB. Unsupervised Fuzzy Clustering analysis support cut off behavioral Criteria in an Animal model of Post Traumatic Stress Disorder. *Biological Psychiatry*, 58(8): 640-750, 2005.
59. **Cohen H**. Anxiolytic effect and memory improvement in rats by antisense oligodeoxynucleotide to 5-hydroxytryptamine-2A precursor protein. *Depression and Anxiety*, 22(2): 84-93, 2005.
60. Ziv Y, Ron N, Butovsky O, Landa G, Sudai E, Greenberg N, **Cohen H**, Kipnis J, Schwartz M. Immune cells contribute to the maintenance of neurogenesis and spatial learning abilities in adulthood. *Nature Neuroscience*, 9(2):268-275, 2006.
61. Zelcer I, **Cohen H**, Richter-Levin G, Lebiosn T, Grossberger T, Barkai E. A cellular correlate of learning-induced metaplasticity in the hippocampus. *Cerebral Cortex*, 16: 460-468, 2006.
62. Kavushansky A, Vouimba RM, **Cohen H**, Richter-Levin G. Activity and plasticity in the CA1, the dentate gyrus, and the amygdala following controllable vs. uncontrollable water stress. *Hippocampus*, 16(1):35-42, 2006.
63. Ifergan G, Buskila D, Simiseshvely N, Kaplan Z, **Cohen H**. Prevalence of Fibromyalgia Syndrome in Migraine patients. *Cephalalgia* 26(4):451-456, 2006.
64. **Cohen H**, Ziv Y, Cardon M, Kaplan Z, Matar MA, Gidron Y, Schwartz M and Kipnis J. Maladaptation to mental stress mitigated by the adaptive immune system via depletion of naturally occurring regulatory CD4+CD25+ T cells. *Journal of Neurobiology*, 66(6), 552-563, 2006.
65. **Cohen H**, Maayan R, Touati-Werner D, Kaplan Z, Matar MA, Loewenthal U, Kozlovsky N, Weizman R. Decreased circulatory levels of neuroactive steroids in behaviorally more extremely affected rats subsequent to exposure to a potentially traumatic experience. *The International Journal of Neuropsychopharmacology*, 4: 1-7, 2006.



66. **Cohen H**, Zohar J, Gidron Y, Matar M, Belkind D, Loewenthal U, Kozlovsky N, Kaplan Z. Blunted HPA axis response to stress influences susceptibility to posttraumatic stress response in rats. *Biological Psychiatry*, 15;59(12):1208-1218, 2006.
67. Butovsky O, Koronyo-Hamaoui M, Kunis G, Ophir E, Landa G, **Cohen H**, Schwartz M. Glatiramer acetate fights against Alzheimer's disease by inducing dendritic-like microglia expressing insulin-like growth factor 1. *Proceedings of the National Academy of Sciences USA (PNAS)*, 103(31):11784-11789, 2006.
68. Miodownik C, Lerner V, Kibari A, Toder D, **Cohen H**. The effect of sudden clozapine discontinuation on management of schizophrenic patients: A retrospective controlled study. *The Journal of Clinical Psychiatry*, 67(8):1204-1208, 2006.
69. **Cohen H**, Kaplan Z, Matar M, Loewenthal U, Kozlovsky N, Zohar J. Anisomycin, a Protein Synthesis Inhibitor, Disrupts Traumatic Memory Consolidation and Attenuates Post Traumatic Stress Response in Rats. *Biological Psychiatry*, 1;60(7):767-776, 2006.
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71. Ablin J.N, **Cohen H**, Buskila D. Mechanisms of Disease: genetics of fibromyalgia. *Nature clinical practice rheumatology*, 2(12):671-678, 2006.
72. **Cohen H**, Jotkowitz A, Buskila D, Pelles-Avraham S, Kaplan Z, Neumann L, Sperber A. Posttraumatic stress disorder and other Co-morbidities in a sample population of patients with irritable bowel syndrome. *European Journal of Internal Medicine*, 17(8):567-571, 2006.
73. Baron R, Harpaz I, Nemirovsky A, **Cohen H**, Monsonogo A. Immunity and Neuronal Repair in the Progression of Alzheimer's Disease: A Brief Overview. *Experimental Gerontology*, 42(1-2):64-69, 2006.
74. Kofman O, Meiran N, Greenberg E, Balas M, **Cohen H**. Enhanced performance on executive functions associated with examination stress: evidence from task-switching and Stroop paradigms. *Cognition and Emotion* 20: 577-595, 2006.
75. Tsoory M, **Cohen H**, Richter-Levin G. Juvenile stress induces a predisposition to either anxiety or depressive like symptoms following stress in adulthood. *European Neuropsychopharmacology*, 17(4):245-256, 2007.
76. Kozlovsky N, Kaplan N, Zohar J, Matar M, **Cohen H**. Long-term downregulation of BDNF mRNA in rat hippocampal CA1 subregion correlates with PTSD-like behavioral stress-response. *The International Journal of Neuropsychopharmacology*, 12:1-18, 2007.
77. **Cohen H**, Kaplan Z, Matar MA, Loewenthal U, Zohar J, Richter-Levin G. Long-lasting behavioral effects of juvenile trauma in an animal model of PTSD associated with a failure of the Autonomic Nervous System to recover. *European Neuropsychopharmacology*, 17(6-7): 464-477, 2007.
78. Levkovitz Y, Levi Uri, Braw Yoram, **Cohen H**. Minocycline, a second-generation tetracycline, as a neuroprotective agent in an animal model of schizophrenia. *Brain Research*, 18;1154:154-162, 2007.

79. Naimark A, Barkai E, Kozlovsky N, Matar M, Kaplan Z, **Cohen H**. Upregulation of neurotrophic factors selectively in frontal cortex in response to olfactory discrimination learning. *Neural Plasticity*, 13427, 2007.
80. Naimark A, Barkai E, Kozlovsky N, Matar M, Kaplan Z, **Cohen H**. Olfactory learning prevents MK-801-induced psychosis-like behavior and is associated with increased neurotrophic factors in an animal model of schizophrenia. *The World Journal of Biological Psychiatry*, 8:1-12, 2007.
81. Buskila D & **Cohen H**. Comorbidity of Fibromyalgia and Psychiatric Disorders. *Current pain and headache report*, 11(5):333-338, 2007.
82. Kozlovsky N, Matar A.M, Kaplan Z, Kotler M, Zohar J, **Cohen H**. The immediate early gene Arc is associated with behavioral resilience to stress exposure in an animal model of posttraumatic stress disorder. *European Neuropsychopharmacology*, 18: 107-116, 2008.
83. Chudakov B, **Cohen H**, Matar MA, Kaplan Z. Naturalistic prospective open study of the effects of adjunctive therapy of sexual dysfunction in chronic PTSD patients. *Israel Journal of Psychiatry*, 45: 26-32, 2008.
84. **Cohen H**, Geva AB, Matar MA, Zohar J, Kaplan Z. Post-traumatic stress behavioural responses in inbred mouse strains: can genetic predisposition explain phenotypic vulnerability? *The International Journal of Neuropsychopharmacology*, 11(3):331-349, 2008.
85. Ablin J, **Cohen H**, Neumann L, Kaplan Z, Buskila D. Coping styles in Fibromyalgia: effect of co-morbid posttraumatic stress disorder (PTSD). *Rheumatology International*, 28(7):649-656, 2008.
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89. **Cohen H**, Liberzon I, Richter-Levin, G. Exposure to extreme stress impairs contextual odor discrimination in an animal model of PTSD. *The International Journal of Neuropsychopharmacology*, 13: 1-13, 2008.
90. Baron R, Nemirovsky A, Harpaz I, **Cohen H**, Owens T, Monsonego A. INF-gamma enhances neurogenesis in wild-type mice and in a mouse model of Alzheimer's disease. *The Federation of American Societies for Experimental Biology (FASEB)*, 22(8): 2843-2852, 2008.
91. **Cohen H**, Matar M, Buskila D, Kaplan Z, Zohar J. Early post-stressor intervention with high dose corticosterone attenuates post traumatic stress response in an animal model of PTSD. *Biological Psychiatry*, 15;64(8):708-717, 2008.

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94. Applebaum J, **Cohen H**, Matar M, Abu Rabia Y, Kaplan Z. Symptoms of Posttraumatic Stress Disorder after Ritual Female Genital Surgery among Bedouin in Israel: Myth or Reality? *The Primary Care Companion to the Journal of Clinical Psychiatry*, 10(6):453-456, 2008.
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97. Ifergane G, Buskila D, Simiseshvely N, Kaplan Z, **Cohen H**. Posttraumatic stress disorder is not over-represented in a sample population of patients with migraine. *European Journal of Internal Medicine*, 20:182–185, 2009.
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#### ACCEPTED TO PUBLICATION:

175. Cohen S, Matar MA, Vainer E, Zohar J, Kaplan Z, **Cohen H**. Significance of the orexinergic system in modulating stress-related responses in an animal model of post-traumatic stress disorder. *Translational Psychiatry*.

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#### REVIEW ARTICLES:

1. **Cohen H**, Kaplan Z. The neuropeptide CCK and anxiety states. *Harefuah, Journal of the Israel Medical Association* 130(10):707-710, 1996.
2. **Cohen H**, Kotler M. Antisense in medicine and central nervous system disorders. *Harefuah, Journal of the Israel Medical Association* 130 (7): 500-502, 1996.
3. **Cohen H**, Neumann L, Kotler M, Buskila D. Autonomic nervous system derangement in Fibromyalgia syndrome and related disorders. *The Israel Medical Association Journal* 3:755-760, 2001.
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5. **Cohen H**, Matar M, Richter-Levin G, Zohar J. The contribution of an animal model towards uncovering biological risk factors for PTSD. *The Annals New-York Academy of Sciences*, 1071, 335-350, 2006.
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#### LETTERS TO THE EDITOR:

1. **Cohen H**, Buskila D, Neumann L, Ebstein RP. An association between Fibromyalgia and the serotonin transporter promoter region (5-HTTLPR) polymorphism and relationship to anxiety-related personality traits: A comparison between Jewish and Bedouin populations. *Arthritis and Rheumatism* 46(3):845-847, 2002.
2. **Cohen H**, Matar MA, Kaplan Z, Grisaru N. Reversible Manic Symptoms after Transcranial Magnetic Stimulation in Post-Traumatic Stress Disorder Patients. *American Journal of Psychiatry*, 162: 398-400, 2005.
3. Kaplan Z, Matar M.A, Kamin R, **Cohen H**. Possible deleterious effects of adjunctive Omega-3 fatty acids in posttraumatic stress disorder patients. *Neuropsychiatric Disease and Treatment*, 1(2): 187-188, 2005.

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5. **Cohen H**, Matar MA, Kaplan Z. "Go forth and multiply" – Evolution or Ideology? Letter to the Editor: J Clin Psychiatry 67(7):1156-1157, 2006.

#### **BOOK CHAPTER:**

1. **Cohen H**, Cohen A, Glusman G, Cassuto Y. Prediction of Mental Fatigue by use of Electrophysiological Signals. Ergonomics. Edited by Queinnec F. Danesllou. Taylor & Francis. Paris 1991.
2. **Cohen H**, Matar M.A, Zohar J. Animal models of Post Traumatic Stress Disorder. Sourcebook of models of biomedical research. Edited by P. Michael Conn, Humana Press. Pages 591-601, 2007.
3. **Cohen H** and Richter-Levin G. Toward animal models of posttraumatic stress disorder. In: Post-Traumatic Stress Disorder Basic Science and Clinical Practice. Pages 1-17. Edited by P.J. Shiromani et al. Publisher: Humana Press. 2009.
4. Zohar J, Matar M, **Cohen H**. Setting apart the affected – a novel animal model for posttraumatic stress disorder and its translational perspective. In: Post-Traumatic Stress Disorder- Diagnosis, management and Treatment. Pages 88-98. Informa Healthcare UK. Edited by David J Nutt, Murray B Stain and Joseph Zohar. 2009.
5. **Cohen H**, Kozlovsky N, Richter-Levin G, Zohar J. Post-traumatic stress disorder in animal models. In; Stress: from molecules to behavior. A comprehensive analysis of the neurobiology of stress response. Pages 263-282. Wiley-VCH Verlag GmbH & Co. KGaA. 2009.
6. **Cohen H**, Richter-Levin G, Zohar J. Stress and Animal Models of PTSD. In: Handbook on Stress: Neuropsychological Effects on the Brain. Wiley-Blackwell. 2009. Edited by Cheryl Conrad, 389-409, 2011.
7. **Cohen H**, Zohar J. Animal models of Post Traumatic Stress Disorder. Mood & Anxiety Related Phenotypes in Mice: characterization using behavioral tests Volume II. Edited by Todd Gould. Series: Neuromethods -Wolfgang Walz, series editor. Publisher: Humana Press, Totowa, NJ. 185-208, 2011.**Cohen H**, Matar M.A, Zohar J. Animal models of Post-Traumatic Stress Disorder. Current protocols in Neurosciences. The Fine art of experimentation. Chapter 9, 2013.
9. Cohen S, Matar M.A, Zohar J, **Cohen H**. Brain Pathways of Traumatic Memory: Evidence from Animal models. In: Sleep and Combat-related Post-Traumatic Stress Disorders. Editor. Eric Vermetten. Springer-Verlag, USA, 127-143, 2017.
10. **Cohen H**, Zohar J. The role of glucocorticoids in the (mal)adaptive response to traumatic experience. In press. Post-Traumatic Stress Disorder. Oxford University Press (OUP), 705-724, 2018.
11. Todder D, Avirame K, **Cohen H**. Neuromodulation Methods in Post-Traumatic Stress Disorder (PTSD). In press. Post-Traumatic Stress Disorder. Oxford University Press (OUP), 725-737, 2018.



**REASERCH GRANTS**

<b>YEAR</b>	<b>PROTOCOL</b>	<b>SUBJECT</b>
1995-1997	The National Institute for Psychobiology in Israel.	Antisense inhibition of CCK-mediated anxiety as a model for therapeutic application of antisense treatment. (With Dr Kaplan) <u>(20,000 \$)</u>
1997-1998	Grant of the Israel Defense Force - Medical Corps Research and Development Branch.	Heart Rate Variability in Post-Traumatic Stress Disorder Patients. <u>(15,000 \$)</u>
1999-2000	Grant of the Israel Defense Force - Medical Corps Research and Development Branch.	Transcranial Magnetic Stimulation in Post-Traumatic Stress Disorder Patients. (7,500 \$).
2000 – 2001	Grant of the Israel Defense Force - Medical Corps Research and Development Branch.	Lamotrigine in Post-Traumatic Stress Disorder. <u>(15,000 \$)</u>
2000-2002	Grant of the Dreyfus Health Foundation.	Phenytoin in Post-Traumatic Stress Disorder. <u>(66,000 \$)</u> .
2001-2002	The National Institute for Psychobiology in Israel.	Antisense inhibition of the 5-Hydroxytryptamine <sub>2A</sub> receptor and serotonin transporter as a model for therapeutic application of antisense treatment. (30,000\$).
2001-2002	BGU Research and Development Authority.	Molecular genetic studies of fibromyalgia syndrome (10,000 \$).
2002-2003	Grant of Eli-Lilly Research Department (Indianapolis USA).	Cardiac safety indices in antipsychotic medications (25,000 \$).
2002-2003	BGU Research and Development Authority.	PTSD-like responses in inbred mouse strains – is there a genetic predisposition? (2,000\$)
2002-2004	The Stanley Medical Research Institute.	A double-blind, randomized, placebo-controlled, crossover study of the effects of vitamin B6 in patients with tardive dyskinesia (82,000 \$).
2002-2005	The Israel Academy of Science and Humanities.	Molecular genetic studies of fibromyalgia. (With Prof. Buskila and Prof. Neuman) (200,000\$).

<b>YEAR</b>	<b>PROTOCOL</b>	<b>SUBJECT</b>
2003-2004	NARSAD Young Investigator Award.	Neuro-hormonal, - peptide, and - immunological variables in animal model of PTSD applying “cut off behavioral criteria” principles (60,000 \$).
2003-2004	Pfizer, New York.	Screening For Sertraline Treatments For PTSD Using Innovative Multi Directional Animal Model. (25,000 \$).
2003-2005	The National Institute for Psychobiology in Israel.	Psycho-neuro-immuno modulation in an animal model of Posttraumatic Stress Disorder (PTSD). (24,000\$)
2003-2006	The Israel Academy of Science and Humanities.	PTSD-like responses in inbred mouse strains – is there a genetic predisposition? (125,000\$)
2006-2007	Pfizer, New York.	Screening For Pregabalin treatment For PTSD Using Innovative Multi Directional Animal Model. (25,000 \$).
2006-2007	Ashaf-Harofe Hospital	Animal model for PTSD – Brain plasticity (25,000 \$).
2006-2008	NARSAD independent investigator award	Stressful experiences in early-life as a potential risk factor for altered stress responsivity in adulthood – Phenotypic, endphenotypic and environmental influences in an animal model (100,000\$).
2007-2010	The National Institute for Psychobiology in Israel.	An assessment of the differential effects of stress hormones and noradrenergic manipulation on traumatic memory consolidation and reconsolidation as reflected in behavioral stress responses in rats (150,000\$)
2008-2009	Israel Ministry of Health.	Heart Rate Variability During Sleep in Children with Type I Diabetes Mellitus. (With Dr. Aviv Goldbart and Dr. Neta Loewenthal).
2008-2009	H. Lundbeck A/S, Denmark.	Early post-stressor intervention with Escitalopram in an animal model of PTSD (25,000\$).

<b>YEAR</b>	<b>PROTOCOL</b>	<b>SUBJECT</b>
2008-2009	Israel Ministry of Health	The role of DNA methylation in the development of stress-related pathologies using a PTSD rat model (Co-investigator with Dr. Yael Chertcow-Deutsher and Dr. Dorit Ben-Shachar - Technion IIT, Haifa).
2008-2012	United States-Israel Binational Science Foundation	Exposure to extreme stress impairs contextual odor discrimination in an animal model of PTSD. (With Prof. Liberzon Israel and Prof. Richter-Levin, Gal).
2009-2010	The Israel Defense Force - Medical Corps Research and Development Branch.	An assessment of the cognitive processes underlying thought suppression strategies characterizing PTSD patients towards the development of an auxiliary tool for early detection of vulnerability for the development and maintenance of post-traumatic psychopathology.
2009-2013	The Israel Academy of Science and Humanities.	Molecular Genetics of Schizophrenia: From Association to Function (Co-investigator with Prof. Bernard Lerer - Hebrew University).
2009-2013	The Israel Academy of Science and Humanities.	Neurobiological mechanisms conferring a resilient or vulnerable phenotype in response to stress in an animal model of PTSD. (225,000\$).
2009-2010	The National Institute for Psychobiology in Israel	Gene-environment interaction in an animal model of PTSD: What factors make the C57BL/6J mouse susceptible to stress, while the DBA/2J strain remains resilient? (Co-investigator with Dr. Nitsan Kozlovsky – Ben-Gurion University).
2009-1010	Grant from the Faculty of Health Sciences	Neurobiological basis of post-stroke depression in an animal model (Co-investigator with Dr. Ifergane G).
2010-2012	Israel Ministry of Health	Neurobiological mechanisms conferring a resilient or vulnerable phenotype in response to stress in an animal model of PTSD. (65,000\$).
2010-2011	Institut de Recherches Internationales Servier (I.R.I.S.)	Effect of chronic administration of agomelatine in a rat model of post-traumatic stress disorder (28,000\$).

<b>YEAR</b>	<b>PROTOCOL</b>	<b>SUBJECT</b>
2011-2012	The Israel Defense Force - Medical Corps Research and Development Branch.	Behavioral, physiological and morphological characteristics associated with Post-traumatic response to continuous exposure versus alternately exposure - in an animal model of post-traumatic stress disorder.
2012-2013	The Israel Defense Force - Medical Corps Research and Development Branch.	“Healthy mind - healthy body”- scientific truth or myth? Can physical exercise be associated with mental resilience and thus attenuate behavioral stress response in animal models of PTSD?
2012-2013	Grant from the Faculty of Health Sciences, Research Excellence Initiatives (Heznek) Program	“The involvement of the immune system and inflammatory processes in mood and anxiety disorders – a translational science study - from animal models to the clinics”. (Co-investigator with Prof. Agam G).
2013-2014	The Israel Defense Force - Medical Corps Research and Development Branch.	Neurobiological mechanisms underlying the effects of blast wave-induced mTBI and PTSD: an innovative experimental animal model.
2013-2014	Institut de Recherches Internationales Servier (I.R.I.S.)	The effects of early post-reminder administration of agomelatine on behavioral response pattern (70,000\$).
2014-2015	H. Lundbeck A/S, Denmark	The effectiveness of Brexpiprazole (Brex) treatment, when given alone and in combination with escitalopram, in an animal model for PTSD.
2014-2015	Grant from the Faculty of Health Sciences, Research Excellence Initiatives (Heznek) Program	Neuronal Gamma Oscillations in vivo : Function and Mechanisms in Healthy and Diseased Cortex. (Co-investigator with Prof Rony Azouz & Maoz Shamir).
2014-2015	Koach Sport and Nutrition (hereinafter Koach), USA	The effect of 28-days of Beta-Alanine supplementation on post-traumatic stress (79,000\$)



<b>YEAR</b>	<b>PROTOCOL</b>	<b>SUBJECT</b>
2014-2018	Adelis Foundation	Post-Traumatic Stress Disorder and Post-Concussion Syndrome following Minimal Traumatic Brain Injury Induced by Missile Blast Wave: An Innovative Human/animal Models Translational Approach (800,000 \$) (Co-investigator with Dr. Gal Ifergane, Prof. Victor Novack, Prof. Alon Friedman, Dr. Ilan Shelef).
2014-2019	The Israel Academy of Science and Humanities.	The neurobiological mechanisms underlying the protective effects of early high-dose corticosterone treatment in an animal model of posttraumatic stress disorder (PTSD) (380,000\$).
2015-2016	Koach Sport and Nutrition (hereinafter Koach), UAS	The effects of beta-alanine supplementation on behavioral and cognitive performance to low-pressure blast wave exposure (75,000\$)
2015-2018	The Israel Defense Force - Medical Corps Research and Development Branch.	Cell free DNA as a potential marker for fast evaluation of blast wave hidden injuries and evaluation of (psycho)pathology in an innovative rat model (125,000 \$) (Co-investigator with Prof. Duvdevani & Sadot).
2017-2019	The Israel Defense Force - Medical Corps Research and Development Branch.	Behavioral, physiological and cognitive characteristics associated with presence in enclosed spaces in an innovative animal model and the influence of pre-training effects on those responses (40,000\$).
2017-2018	Koach Sport and Nutrition (hereinafter Koach), USA	Role of $\beta$ -Alanine Ingestion on Brain Function in Aging (75,000\$).

**STUDENTS****1) STUDENTS FOR PH.D. DEGREE:**

<b>PERIOD</b>	<b>NAME</b>	<b>SUBJECTS</b>	<b>DEPARTMENT</b>
<b>2004-2009</b>	Miri Shachar	<b>Modulation of the desensitization of the nAChR and its implications for therapeutic uses.</b> (Jointly with Prof. E. Heldman, Department of Physiology, BGU)	Faculty of Health Science, Division of Psychiatry, BGU
<b>2006-2010</b>	Lilach Abramsly-Arazi	<b>Suppression of a non-trauma-related threatening thought in PTSD patients.</b>	Faculty of Health Science, Division of Psychiatry, BGU
<b>2008-2012</b>	Idan Harpaz	<b>Animal Model of Alzheimer.</b> (Jointly with Dr. A. Monsonego, Department of Microbiology and Immunology, BGU).	Faculty of Health Science, Division of Psychiatry, BGU.
<b>2009-2016</b>	Hagit Sela	<b>Trace metals distribution in rat brain using Quantitative Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS).</b> (Jointly with Prof. Y. Zeiri, Department of Bio-Medical Engineering, BGU).	Department of Bio-Medical Engineering, BGU.
<b>2010-2016</b>	Ori Koresh	<b>Effects of stress-exposure on circadian rhythms and circadian related-genes in an animal model of PTSD.</b>	Faculty of Health Science, Division of Psychiatry, BGU
<b>2012-2016</b>	Shlomi Cohen	<b>Post-exposure sleep deprivation in an animal model for PTSD</b>	Department of Psychology, BGU
<b>2014-</b>	Hadar Manjoch	<b>Oxytocin as a Hormonal Context Attenuating the Interaction between Personality and Social Support under Stress.</b> (Jointly with Prof. G. Shahar Department of Psychology, BGU).	Department of Psychology, BGU
<b>2014-2019</b>	Amitai Zuckerman	<b>Low-pressure blast-wave exposure caused distinct behavioral and morphological responses modelling mTBI, PTSD and comorbid mTBI-PTSD</b>	Faculty of Health Science, Division of Psychiatry, BGU

<b>PERIOD</b>	<b>NAME</b>	<b>SUBJECTS</b>	<b>DEPARTMENT</b>
<b>2016-</b>	Dor Danan	<b>Corticosterone pulsatility in animal model of PTSD.</b>	Faculty of Health Science, MD – PhD.
<b>2018-</b>	Roni Sela	<b>The association between posttraumatic stress disorder (PTSD) and adult attention-deficit hyperactivity disorder (ADHD): HPA-axis, neuropsychological and brain imaging profiles</b>	Department of Psychology, BGU

**2) STUDENTS FOR M.SC. DEGREE:**

<b>PERIOD</b>	<b>NAME</b>	<b>SUBJECTS</b>	<b>DEPARTMENT</b>
<b>1997-1999</b>	Smuel Atias	<b>Outcomes of Ultra Rapid Opiate Detoxification versus Intensive Inpatient Detoxification.</b> (Jointly with Prof. Y. Rabinowiz, Bar Ilan University).	Faculty of Social Work, Bar-Ilan University, Tel-Aviv
<b>2003-2005</b>	Natali Amihai	<b>Alexithymia scale in Fibromyalgia patients.</b> (Jointly with Prof. L. Neuman)	Faculty of Health Science, Epidemiologic Department, BGU
<b>2004-2005</b>	Ari Naimark	<b>The effect of pre-challenge learning on MK-801 induced psychosis-like behavior in an animal model of schizophrenia.</b> (Jointly with Dr. E. Barki, Haifa University)	Faculty of Health Science, Division of Psychiatry, BGU
<b>2003-2007</b>	Haim Rizi	<b>Non-linear Analysis of Heart Rate Variability in Post-traumatic Stress Disorder patients during Sleep</b> (Jointly with Prof. A. Geva, Department of Electrical Engineering, BGU)	Department of Electrical Engineering, BGU
<b>2004-2008</b>	Adi Mazor	<b>Gender-related differences in a PTSD animal model – the influence of estrogen cycle and sex hormones.</b>	Faculty of Health Science, Division of Psychiatry, BGU
<b>2005-2007</b>	Yoav Malka	<b>In-context training prior to stress exposure reduces the after-effects of the stressor: The role of brain derived neurotrophic factor (BDNF).</b>	Faculty of Health Science, Division of Psychiatry, BGU
<b>2005-2007</b>	Bazak Noam	<b>Long-term effects of stress in pre-puberty on adult male rats.</b>	Faculty of Health Science, Division of Psychiatry, BGU
<b>2005-2007</b>	Idan Harpaz	<b>Animal Model of Alzheimer disease.</b>	Faculty of Health Science, Division of Psychiatry, BGU
<b>2005-2007</b>	Yael Glazer	<b>TPQ in Fibromyalgia patients</b>	Faculty of Health Science, Epidemiologic Department, BGU

<b>PERIOD</b>	<b>NAME</b>	<b>SUBJECTS</b>	<b>DEPARTMENT</b>
<b>2008-2010</b>	Ori Koresh	<b>Effects of stress-exposure on circadian rhythms and circadian related-genes in an animal model of PTSD.</b>	Faculty of Health Science, Division of Psychiatry, BGU
<b>2012-2014</b>	Nir Milstein	<b>Exercise and risk - taking: the role of physiological arousal, mood and self – efficacy.</b> (Jointly with Dr. S. Moran).	Department of Psychology, BGU
<b>2013-2014</b>	Amitai Zuckerman	<b>Low-pressure blast-wave exposure caused distinct behavioral and morphological responses modelling mTBI, PTSD and comorbid mTBI-PTSD</b>	Faculty of Health Science, Division of Psychiatry, BGU
<b>2013-2014</b>	Hadar Manjoch	<b>Predator scent stress, ethanol consumption and the opioid system in an animal mode of PTSD</b>	Department of Psychology, BGU
<b>2011-2012</b>	Shlomi Cohen	<b>Post-exposure sleep deprivation in an animal model for PTSD</b>	Department of Psychology, BGU
<b>2016-2018</b>	Gallia Herzog	<b>Aging and animal model of PTSD</b>	Department of Psychology, Experimental psychology, brain and cognition, BGU
<b>2017-</b>	Shirley Fedida	<b>Hyperbaric oxygen therapy in an animal model of Post-Traumatic Stress Disorder</b>	Department of Psychology, Experimental psychology, brain and cognition, BGU
<b>2018-</b>	Kesem Nahum	<b>The role of microglia in the (mal)adaptive response to traumatic experience</b>	Department of Psychology, Experimental psychology, brain and cognition, BGU
<b>2019-</b>	Tal Belity	<b>Role of <math>\beta</math>-Alanine Ingestion on Physiological Strain and the Inflammatory and Oxidative Stress Response in Rats Exposed to an Acute Heat Stress.</b>	Faculty of Health Science, Division of Psychiatry, BGU

<b>PERIOD</b>	<b>NAME</b>	<b>SUBJECTS</b>	<b>DEPARTMENT</b>
<b>2019-</b>	Shira	<b>Effects of 3,4-methylenedioxymethamphetamine (MDMA) on behaviour responses in the predator scent stress model of post-traumatic stress disorder (PTSD)</b>	Department of Psychology, Experimental psychology, brain and cognition, BGU

**3) Undergraduate students from various departments of Ben-Gurion University for basic science research requirements**

<b>PERIOD</b>	<b>NAME</b>	<b>SUBJECTS</b>	<b>DEPARTMENT</b>
1995 –1996	N. Bar-Haim	<b>CCK induced Anxiety in rats.</b> (Jointly with Prof. RH Belmaker)	Faculty of Health Sciences, School of Medicine
1995 – 1996	S. Friedberg	<b>Constructing a model for Post Traumatic Stress Disorder in rats.</b> (Jointly with Prof. M. Kotler)	Faculty of Health Sciences, School of Medicine
1995 – 1996	S. Shamay	<b>Acute oral Inositol-induced anxiety in rats</b> (Jointly with Dr. O. Kofman)	Department of Behavioral Sciences at BGU
1995 – 1996	F. Inbond	<b>Acute oral Inositol induced anxiety in rats.</b> (Jointly with Dr. O. Kofman)	Department of Behavioral Sciences at BGU
1995 – 1996	A. Yashur	<b>Power Spectral Analysis of Heart Rate Variability in Post-Traumatic Stress Disorder Patients.</b> (Jointly with Dr. Y. Cassuto)	Department of Life Sciences at BGU
1966 – 1997	D.Borla	<b>Constructing a model for Post-Traumatic Stress Disorder in rats CCK-4 Antagonist.</b> (Jointly with Prof. M. Kotler)	Faculty of Health Sciences, School of Medicine
1997-1998	A. Dotan	<b>Constructing a model for PTSD: administration of Ketoconazole.</b>	Faculty of Health Sciences, School of Medicine
1998-1999	Y. Shindel	<b>Chronic inositol in a rats model for PTSD.</b>	Faculty of Health Sciences, School of Medicine
1999-2000	S.Hainam	<b>Prevalence of PTSD in Fibromyalgia Syndrome.</b> (Jointly with Prof. D. Buskila)	Faculty of Health Sciences, School of Medicine
2000-2001	A. Shade	<b>Intraperitoneal Cholecystokinin-antisense oligodeoxynucleotides in rats: CCK antagonist.</b>	Department of Life Sciences at BGU.
2001-2002	M. Ratsabi	<b>Effect of intraperitoneal Acetyl-L-carnitine on anxiety-like behaviors in rats.</b>	Department of Life Sciences at BGU.

<b>PERIOD</b>	<b>NAME</b>	<b>SUBJECTS</b>	<b>DEPARTMENT</b>
<b>2002-2003</b>	S. Pelesh	<b>Prevalence of Posttraumatic Stress Disorder in irritable bowel Syndrome patients</b> (Jointly with Prof. A Sperber)	Faculty of Health Sciences, School of Medicine  <b>* Completed with excellence.</b>
<b>2002-2003</b>	A. Naimark	<b>The effect of pre-challenge learning on MK-801 induced psychosis-like behavior in an animal model of schizophrenia.</b>	Department of Life Sciences at BGU.
<b>2002-2003</b>	A. Kiberi	<b>Does resistance to Clozapine occur with the break in continuity of treatment in schizophrenic or schizoaffective patients ?</b> (Jointly with Dr. C. Miodownik)	Faculty of Health Sciences, School of Medicine  <b>* Completed with excellence.</b>
<b>2003-2004</b>	D. Belkind	<b>Do low circulating levels of corticosterone influence the susceptibility to Post Traumatic Stress Disorder?</b>	Department of Life Sciences at BGU
<b>2004-2005</b>	Y. Malka	<b>Neurotrophin factors and memory expression in an animal model of PTSD</b>	Department of Life Sciences at BGU
<b>2004-2005</b>	N. Bazak	<b>Long-term effects of stress in pre-puberty on PTSD in rats.</b>	Department of Life Sciences at BGU
<b>2004-2005</b>	O. Levi	<b>Minocycline – A Neuroprotective Agent in Animal Model for Schizophrenia</b>	Department of Life Sciences at BGU
<b>2005-2006</b>	T. Leibson	<b>The effect of odors learning on the performance in the Morris Water Maze</b> (Jointly with Dr. E. Barki, Haifa University)	Faculty of Health Sciences, School of Medicine  <b>* Completed with excellence.</b>
<b>2007- 2008</b>	O. Koresh	<b>Effects of stress-exposure on circadian rhythms and circadian related-genes in an animal model of PTSD.</b>	Department of Life Sciences at BGU
<b>2008-2010</b>	A. Cramer	<b>Long-lasting effects of predator scent stress on sexual motivation and functioning in an animal model of PTSD.</b>	Psychology department



<b>PERIOD</b>	<b>NAME</b>	<b>SUBJECTS</b>	<b>DEPARTMENT</b>
<b>2008- 2010</b>	Y. Beckman	<b>The association between attachment styles and post-traumatic stress symptoms in children and adolescents</b> (Jointly with Dr. M. Lachis, Soroka Medical Center)	Faculty of Health Sciences, School of Medicine
<b>2009-2010</b>	Abu-Asa A & Abulmadi H	<b>Projection of estimated time of hospitalization in psychiatric ward</b>	Faculty of Health Sciences, Health Systems Management, Health Systems Management
<b>2009-1010</b>	A. Milwidsky	<b>The remission rate in schizophrenia out-patients, using structured symptomatic and psycho-social assessment tools.</b> (Jointly with Prof. Zeev Kaplan)	Faculty of Health Sciences, School of Medicine

**4) Supervision of residents in various fields of medicine for the requisite six month basic science research rotation**

<b>PERIOD</b>	<b>NAME</b>	<b>SUBJECTS</b>	<b>DEPARTMENT</b>
1995 – 1996	M. Matar, MD	<b>Biochemical studies in models for anxiety in rats.</b> (Jointly with Prof. M. Kotler)	Psychiatry
1997-1998	M. Shor, MD	<b>Power Spectral Analysis of Heart Rate Variability as a measure of Autonomic function in patients with Fibromyalgia.</b> (Jointly with Prof. D Buskila)	Internal Medicine
1998-1999	U. Loewenthal MD	<b>Cardiovascular autonomic neuropathy in Clozapine treated schizophrenic: application of power spectrum analysis of heart rate variability.</b>	Psychiatry
1999-2000	I. Viner, MD	<b>Genetic Markers in Fibromyalgia syndrome.</b> (Jointly with Prof. D Buskila)	Internal Medicine
2000-2001	I. Mitelman, MD	<b>Heart rate variability in bipolar Disorder patients.</b>	Psychiatry
2002-2003	I. Kouperman, MD	<b>Right Dorsolateral Prefrontal Cortex Repetitive Transcranial Magnetic Stimulation in PTSD.</b> (Jointly with Prof. Dr. Grisaru)	Psychiatry
2004-2005	N. Shimishvili, MD	<b>Prevalence of Posttraumatic Stress Disorder in Migraine patients</b> (Jointly with Dr G. Ifergane)	Internal Medicine
2005-2006	M. Lachish, MD	<b>Heart rate variability in Anorexia Nervosa patients</b>	Psychiatry
2006-2007	M. Isenberg, MD	<b>Holocaust survivals – pain and post traumatic responses.</b> (Jointly with Prof. D Buskila)	Internal Medicine
2008-2009	A Gurvize, MD	<b>Sexual function in Fibromyalgia patients.</b> (Jointly with Prof. D Buskila)	Internal Medicine

**5) STUDENTS FOR POST DOCTORATE:**

<b>PERIOD</b>	<b>NAME</b>	<b>SUBJECTS</b>	<b>DEPARTMENT</b>
<b>2019-2020</b>	Odeya Damri	<b>Do Global Warming-Like Conditions Worsen 'Mental Health' Qualitatively and/or Quantitatively? An Animal-Models Empirical Study".</b>	Faculty of Health Science, Division of Psychiatry, BGU