

Albert Pinhasov, Ph.D

Date of Birth: February 9, 1972.

Citizenship: Israel

Family: Married + 3 children

Work address: Ariel University

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Academic Education

1998-2002 Ph.D. in Clinical Biochemistry, Tel Aviv University, Israel. Thesis: "Activity-dependent neuroprotective protein (ADNP): gene expression, knockout mice generation and the effect of ADNP deficiency on genetic and developmental aspects". Supervisor: Prof. Illana Gozes.

1996-1998 M.Sc. in Molecular Biology with distinction, Tel Aviv University, Israel.

1990-1994 B.Sc. Gorkey Academy of Medicine, Russia.

Academic Employment

2020- Rector, Ariel University, Israel

2016 - Professor, Department of Molecular Biology, Ariel University, Israel.

2014 - 2020 Vice President and Dean for Research and Development, Ariel University, Israel

2013 - 2016 Associate Professor, Department of Molecular Biology, Ariel University, Israel.

2008 - 2014 Chairman, Department of Molecular Biology, Ariel University, Ariel, Israel.

2006 - 2012 Senior Lecturer, Department of Molecular Biology, Ariel University Center (AUC) of Samaria, Ariel, Israel.

2005 - 2006 Lecturer, Department of Molecular Biology, College of Judea and Samaria, Ariel, Israel.

2005 - 2005 Senior Scientist, Tel Aviv University Authority for Applied Research and Industrial Development Ltd., Tel Aviv, Israel

1998 - 2002 Teaching Assistant, Department of Clinical Biochemistry, Sackler School of Medicine, Tel Aviv University, Israel.

Professional training

2002 - 2004 Postdoctoral Fellow, Drug Discovery CNS Research Team, Johnson and Johnson Pharmaceutical Research and Development, Spring House, PA, USA. Supervisor: Dr. Douglas E. Brenneman, CNS Biology Team Leader.

Member of Editorial Boards

Journal of Molecular Neuroscience, Scientific Reports

Professional Affiliations

- International Society for Neuroscience
- Israel Society for Neuroscience

- Israel Society for Biological Psychiatry
- International Behavioral Neuroscience Society

Ad hoc Reviewer

Bi-national Science Foundation
 Israel Ministry of Health
 National Institute of Psychobiology in Israel
 Molecular Psychiatry
 Journal of Molecular Neuroscience
 Plos One
 Behavioral Brain Research
 Psychoneuroendocrinology
 European Neuropsychopharmacology

Awards and Fellowships

1998-2002 Buchman Foundation Fellowship.
 2001 Young Investigator Award, 22nd Annual Winter Neuropeptide Conference.
 2002 Award of Switzerland Institute for Developmental Biology.
 2003 J&J Vision Award in recognition of the automation and validation of an animal model paradigm for human depression.
 2004 Young Investigator Award, Journal of Brain Research.
 2011 Excellence in Instruction Award, Ariel University Center
 2011 Israel Society for Biological Psychiatry Annual Meeting, Best Poster Award
 2012 Israel Society for Biological Psychiatry Annual Meeting, Best Poster Award
 2012 Excellence in Instruction Award, Ariel University Center

Teaching Responsibilities at the Ariel University

Molecular Biology Department:

- Developmental Biology.
- Advanced methods in Molecular Biology.
- Molecular regulatory mechanisms in cells.

Department of Nutrition Science:

- Molecular Biology and Biochemistry.
- Biochemistry and Molecular Biology Laboratory.

Community Involvement

- Member of Bashaar - Academic Community for Israeli Society.
- Lectures in public schools during Brain Awareness week.

PhD. graduates:

Michal Schechter 2007-2012 Project Title: "The role of the endocannabinoid system in maternal behavior: an animal model study". (Jointly with prof. Aron Weller, BIU)

Shimon Rabichev 2009-2014 Project Title: "Medical device for providing information for diagnosing Attention Deficit Hyperactivity Disorder (ADHD) in humans". (Jointly with prof. Nira Mashal, BIU)

Elimelech Neshet 2011-2015 Molecular, biochemical and pharmacological characterization of dominant submissive behavior. (Jointly with prof. Gal Yadid, BIU)

Tatiana Vinnik 2013 – 2016 Influence of neurotrophins' polymorphism on depression outcome in patients with neurodermatosis (Jointly with Prof. G. Batpenova, Astana Medical University)

Moshe Gross 2013 – 2019 Elucidation of the molecular mechanisms responsible for adaptation to stress in animals with behavioral features of dominance or submissiveness

Sivan Levin 2013 - 2019 Genetic characterization of children's brain tumors to improve subgroup classification and detection of minimal residual disease in the cerebrospinal fluid. (Jointly with Dr. Mali Salmon-Divon, AU and Prof. Nitza Goldenberg-Cohen, TAU)

Maryia Bairachnaya 2015 – 2020 Investigation of ageing-related changes in synaptic plasticity and cognition in a mouse model of resilience and sensitivity to stress. (Jointly with Prof. Izhak Michaelievski, AU)

Tetiana Kardash 2015 – 2020 Investigating the role of personality and stress in drug dependency. (Jointly with Dr. Izhak Michaelievski, AU)

Kate Murlanova 2016 – 2020 Neurochemistry of dominant-submissive behavior. (Jointly with Dr. Izhak Michaelievski and Dr. Shivi Drori, AU)

Yakov Cohen 2016-2020 Executive function and emotional processing deficits, schizotypal characteristics and personality factors, among synthetic cannabinoids users (Jointly with Prof. Aviv Weinstein, AU)

PhD. students:

Shiri Wisotzky Jacobovitch 2015 – anxiolytic and anticancer properties of novel cyclic peptides for integrin $\alpha\beta3$

Oryan Agranyoni 2018 – Assessing the link between the gut microbiome and stress resilience (Jointly with Prof. Shiri Navon Venecia, AU)

Dilarom Begmatova 2020 – Neuroinflammation and stress vulnerability

Lev Libergold 2020 – Link between inflammation, aging and stress vulnerability

Artem Klinov – Investigation the link between maternal immune-activation and inherited stress vulnerability

M.Sc. Graduates

Michal Reichenstein, 2005-2008. Project title: "Involvement of PACAP and PAC1 receptor in pathology of affective disorders". (Jointly with prof. Moshe Rehavi, TAU)

Yuval Feder, 2006-2009 Project Title: "Molecular, pharmacological and biochemical characterization of submissiveness". (Jointly with prof. Gal Yadid, BIU)

Jenny Schneider, 2007-2009 Project Title: "Neuropeptide PACAP in the mechanism of antidepressants action". (Jointly with prof. Gal Yadid, BIU)

Ariel Ogran, 2008-2011 Project Title: "Neurotrophic status of dominant - submissive behavior". (Jointly with prof. Benjamin Sredni, BIU)

Moshe Gross, 2010-2012. Project Title: "Molecular and Behavioral characterization of the antidepressant-like action of Incense acetate derived from Boswellia resin". (Jointly with prof. Gal Yadid, BIU)

Serah Lisson, 2010 - 2015 Project Title: "Neuropeptide PACAP in the mechanism of lithium action and etiology of Major Depressive Disorder" (Jointly with prof. Gal Yadid, BIU)

Helena Tuchinski, 2013 – 2015 "Functional characterization of novel cyclic peptides for integrin $\alpha\beta3$ "

Hen Yanovich, 2013 – 2015 "Elucidation of molecular mechanisms underlying differential response to stress in animals with distinct social status"

Hava Romi, 2014 – 2015 Investigation of molecular mechanisms involved in response to prenatal stress in mice with dominant and submissive behavior

Oryan Agranyoni 2015 – 2017 Assessing the link between the gut microbiome and behavior using a mouse model of dominance and submissiveness (Jointly with Prof. Shiri Navon Venecia, AU)

Netanela Cohen 2015 – 2018 Assessment of anxiolytic and antidepressant properties of plants growing in the Judea and Samaria area

Lena Gilimovich 2015 – 2018 HPA axis activity in dominant and submissive animals

Ayala Miller 2017 – 2020 Role of glucocorticoids in stress-dependent developmental disorders. Thesis submitted.

Raz Robas 2017 – 2020 Effect of social interactions on striatal protein expression in stress resilient and sensitive mice (Jointly with Prof. Shiri Navon Venecia, AU). Thesis submitted

Sapir Meninger 2017 – 2019 Link between stress, microbiome, adipose tissue and behavior (Jointly with Prof. Shiri Navon Venecia, AU). Thesis submitted

Yaakov Evenchik 2017 – 2020 Effect of social rank-associated stress vulnerability on cocaine attraction and hippocampal glucocorticoids activity

Research Interests

1. Molecular biology of affective disorders, *in vitro* and *in vivo* neuropharmacology.
2. Molecular basis of social interactions
3. Discovery of potent protective agents and molecular biomarkers for affective disorders.
4. Design, validation and application of animal models for affective disorders.
5. Neuropeptides' involvement in Affective Disorders.

Awards and Fellowships

- 1998-2002 Buchman Foundation Fellowship.
- 2001 Young Investigator Award, 22nd Annual Winter Neuropeptide Conference.
- 2002 Award of Switzerland Institute for Developmental Biology.
- 2003 J&J Vision Award in recognition of the automation and validation of an animal model paradigm for human depression.
- 2004 Young Investigator Award, Journal of Brain Research.

2011	Excellence in Instruction Award, Ariel University Center
2011	Israel Society for Biological Psychiatry Annual Meeting, Best Poster Award
2012	Israel Society for Biological Psychiatry Annual Meeting, Best Poster Award
2012	Excellence in Instruction Award, Ariel University Center
2015	Excellence in Instruction Award, Ariel University
2016	Israel Society for Biological Psychiatry Annual Meeting, Best Poster Award

Research Grants

2017 – 2020	Israel Science Foundation. The role of the gut bacterial microbiome in shaping depressive-like behavior: identifying specific markers for behavior prediction and modulation (750000 NIS)
2016-2017	Ministry of Science. Assessment of anxiolytic and antidepressant properties of <i>Inula viscosa</i> extracts (250000 NIS)
2015-2016	Israel Anti-Drug Authority. Critical role of personality in stress-induced drug dependency (240000 NIS)
2015 -	MillHouse Capital LTD. Novel synthetic cyclic integrin $\alpha v \beta 3$ binding peptide ALOS4. (\$440000)
2011-2013	National Institute for Psychobiology in Israel. Identification of Key Regulatory Proteins in Formation of spatial memory (185000 NIS).
2008-2011	Ministry of Science. Anxiolytic and antidepressant properties of Incensole Acetate (350000 NIS).
2009-2010	Ariel University Center. Affective disorders and metabolic syndromes (25000 NIS).
2009-2010	Joint foundation of Samaria and Jordan Rift R&D center and Ariel University Center. Herbal medicines for treatment of neurological disorders: Test case of <i>Salvia sc.</i> (20000 NIS).
2009-2010	Ministry of Health. PACAP and its receptors: relevance to depression and action of antidepressants (100000 NIS).

List of Publications

1. Zamostiano R., **Pinhasov** A., Bassan M., Perl O., Steingart R.A., Atlas R., Brenneman D.E. and Gozes I. A femtomolar-acting neuroprotective peptide induces increased level of heat shock protein 60 in rat cortical neurons: a potential neuroprotective mechanism. *Neuroscience Letters*, 264: 9-12, 1999
2. Gozes I., Bassan M., Zamostiano R., **Pinhasov** A., Davidson A., Giladi E., Perl O., Glazner G. and Brenneman D.E. A Novel signaling molecule for neuropeptide action: Activity-dependent neuroprotective protein. *Neuropeptides: structure and function in biology and behavior. Ann. N Y Acad. Sci*, 897: 125-135, 1999
3. Bassan M., Zamostiano R., Davidson A., **Pinhasov** A., Giladi E., Perl O., Bassan H., Blat C., Gibney G., Glazner G., Brenneman D.E. and Gozes, I. Complete sequence of a novel protein containing a femtomolar- activity-dependent neuroprotective peptide. *J Neurochemistry*, 72: 1283-1293, 1999.
4. Gozes I., Giladi E., **Pinhasov** A., Bardea A. and Brenneman D.E. Activity-Dependent Neurotrophic Factor: Intranasal administration of femtomolar-acting peptides improve performance in a water maze. *J Pharmacol Exp Ther*, 293: 1091-1098, 2000.
5. Gozes I., Zamostiano R., **Pinhasov** A., Bassan M., Giladi E., Steingart R.A. and Brenneman D.E. A novel VIP responsive gene. Activity dependent neuroprotective protein. *Ann N Y Acad Sci*, 921:115-8, 2000.

6. Zamostiano R., **Pinhasov** A., Gelber E., Steingart R.A., Seroussi E., Giladi E., Bassan M., Wollman Y., Eyre H.J., Mulley J.C., Brenneman D.E. and Gozes I. Cloning and characterization of the human activity-dependent neuroprotective protein. *J Biol Chem.*, 276: 708-714, 2001
7. Gozes I., Alcalay R., Giladi E., **Pinhasov** A., Furman S., Brenneman D.E. NAP accelerates the performance of normal rats in the water maze. *J Mol Neurosci*, 19:167-70, 2002.
8. Poggi S.H, Vink J., Goodwin K., Hill J.M., Brenneman D.E., **Pinhasov** A., Gozes I. and Spong C.Y. Differential expression of embryonic and maternal activity-dependent neuroprotective protein during mouse development. *Am J Obstet Gynecol*, 187: 973-976, 2002.
9. Steingart R., Heldenberg E., **Pinhasov** A., Brenneman D.E., Fridkin M. and Gozes I. A vasoactive intestinal peptide receptor analog alters the expression of homeobox genes. *Life Sci*, 71: 2543 – 2552, 2002.
10. Shinar Y., Livneh A., Villa Y., **Pinhasov** A., Zeitoun I., Kogan A., Achiron A.. Common mutations in the familial Mediterranean fever gene associate with rapid progression to disability in non-Ashkenazi Jewish multiple sclerosis patients. *Genes Immunity*, 4:197-203, 2003.
11. Zaltzman R., Beni SM., Giladi E., **Pinhasov** A., Steingart R.A., Romano J., Shohami E. and Gozes I. Injections of the neuroprotective peptide NAP to newborn mice attenuate head-injury-related dysfunction in adults. *Neuroreport*, 14:481-4, 2003.
12. Ilyin S.E., **Pinhasov** A., Vaidya A.H., Amato F.A., Kauffman J., Xin H., Andrade-Gordon P., Plata-Salamán. C. and Brenneman D.E. Emerging paradigms in applied bioinformatics. *Biosilico*, 3: 86-88, 2003.
13. **Pinhasov** A., Mandel S., Torchinsky A., Giladi E., Pittel Z., Goldsweig A.M., Servoss S.J., Brenneman D.E. and Gozes I. Activity-Dependent Neuroprotective Protein: a novel gene essential for brain formation. *Dev. Brain Research*, 144: 83-90, 2003.
14. Xin H., Bernal A., Amato F.A., **Pinhasov** A., Kauffman J., Brenneman D.E., Derian C.K., Andrade-Gordon P., Plata-Salamán C.R. and Ilyin S.E., High Throughput siRNA-based Functional Target Validation, *Journal of Biomolecular Screening*, 9: 286-93, 2004.
15. Brenneman DE., Spong CY., Hauser JM., Abebe D., **Pinhasov** A., Golian T., Gozes I. Protective peptides that are orally active and mechanistically non-chiral. *J Pharmacol Exp Ther*, 309: 1190-7, 2004.
16. **Pinhasov** A., Mei J., Amaratunga D., Amato F.A., Lu H., Kauffman J., Xin H., Brenneman D.E., Johnson D., Andrade-Gordon P. and Ilyin S.E. Gene expression analysis for high throughput screening applications. *Combinatorial Chemistry & High Throughput Screening*. 7: 133-40, 2004.
17. **Pinhasov** A., Ilyin S.E., Crooke J., Amato F.A., Vaidya H.A., Rosenthal D., Brenneman D.E. and Malatynska E. Different levels of gamma synuclein mRNA in the cerebral cortex of of dominant, neutral and submissive rats selected in the competition test, *Genes, Brain and Behavior*, 4:60-64, 2005.
18. Bassan H, Bassan M, **Pinhasov** A, Kariv N, Giladi E, Gozes I, Harel S. The pregnant spontaneously hypertensive rat as a model of asymmetric intrauterine growth retardation and neurodevelopmental delay. *Hypertension in Pregnancy*, 24:201-11, 2005.
19. **Pinhasov** A, Crooke J, Rosenthal D, Brenneman DE, Malatynska E. Reduction of submissive behavior model for antidepressant drug activity testing: study using a video-tracking system. *Behavioral Pharmacology*, 16:657-64, 2005.
20. Malatynska E, **Pinhasov** A, Crooke J, Horowitz D, Brenneman DE. and Ilyin SI. The levels of mRNA encoding for α -, β - and γ - synuclein in the brain of newborn, juvenile and adult rats. *Journal of Molecular Neuroscience*, 29:269-77, 2006.
21. Busciglio J, Pelsman A, Helguera P, Ashur-Fabian O, **Pinhasov** A, Brenneman DE, Gozes I. NAP and ADNF-9 protect normal and Down's syndrome cortical neurons from oxidative damage and apoptosis. *Current Pharmaceutical Design*. 13:1091-8, 2007.
22. Malatynska E, **Pinhasov** A, Crooke JJ, Smith-Swintosky VL, Brenneman DE. Reduction of dominant or submissive behaviors as models for antimanic or antidepressant drug testing: Technical considerations. *Journal of Neuroscience Methods*, 165:175-82, 2007.
23. Vulih-Shultzman I, **Pinhasov** A, Mandel S, Grigoriadis N, Touloumi O, Pittel Z, Gozes I. Activity-dependent neuroprotective protein snippet NAP reduces tau hyperphosphorylation and enhances learning in a novel transgenic mouse model. *Journal of Pharmacology and Experimental Therapeutics*, 323:438-49, 2007.

24. Malatynska E, **Pinhasov** A, Creighton CJ, Crooke JJ, Reitz AB, Brenneman DE, Lubomirski MS. Assessing activity onset time and efficacy for clinically effective antidepressant and antimanic drugs in animal models based on dominant-submissive relationships. *Neuroscience and Biobehavioral Reviews*, 31:904-19.
25. Reichenstein M., Rechavi M and **Pinhasov*** A. Involvement of Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) and its Receptors in the Mechanism of Antidepressant Action. *Journal of Molecular Neuroscience*, 36(1-3):330-8, 2008.
26. Friedman A., Frankel M., Flaumenhaft Y., Merenlender A., **Pinhasov** A., Feder Y., Taler M., Gil-Ad I., Abeles M., Yadid G. Programmed Acute-Electrical-Stimulation of ventral tegmental area Alleviates Depressive-Like Behavior. *Psychoneuropharmacology* 34(4):1057-66, 2009.
27. Feder Y., Neshet E., Ogran A., Kreinin A., Malatynska E., Yadid G and **Pinhasov*** A. Selective Breeding for Dominant and Submissive Behavior in Sabra Mice. 2010. *Journal of Affective Disorders*, 126(1-2):214-22. 2010.
28. Karyo R, Askira Y, **Pinhasov** A, Belmaker H, Agam G, Eldar-Finkelman H. Identification of eukaryotic elongation factor-2 as a novel cellular target of lithium and glycogen synthase kinase-3, *Journal of Molecular and Cellular Neuroscience*. 45(4):449-55, 2010.
29. Schneider J., Shtrauss Y., Yadid G. and **Pinhasov*** A. Differential expression of PACAP receptors postnatal rat brain, *Neuropeptides*, 44:509-14, 2010.
30. **Pinhasov*** A, Neshet E, Gross M, Turgeman G, Kreinin A, Yadid G. "The Role of the PACAP Signaling System in Depression." *Curr Pharm Des*. 17(10):990-1001, 2011.
31. Neshet E, Peskov V, Rylova A, Raz O, **Pinhasov*** A. "Comparative analysis of the behavioral and biomolecular parameters of four mouse strains" *J Mol Neurosci*. 46(2):276-84, 2012.
32. Schechter M, **Pinhasov** A, Weller A, Fridet E, Blocking the postpartum mouse dam's CB1 receptors impairs maternal behavior as well as offspring development and their adult social-emotional behavior, *Behav Brain Res*. 1226(2): 481-92. 2012.
33. Moussaieff A, Gross M., Neshet E., Yadid G and **Pinhasov*** A. Incense acetate reduces depressive-like behavior and modulates hippocampal BDNF and CRF expression of submissive animals. *Journal of Psychopharmacology*. 26(12):1584-93, 2012.
34. Abookasis D, Neshet E, **Pinhasov**, Sternklar S, Mathews MS. Diffuse near-infrared reflectance spectroscopy during heatstroke in a mouse model: pilot study. *Journal of Biomedical Optics*. 2012.
35. Neshet E, Gross M, Lisson S, Tikhonov T, Yadid G, **Pinhasov*** A. Differential responses to distinct psychotropic agents of selectively bred dominant and submissive animals. 236(1):225-35, *Behavioral Brain Research*, 2013.
36. Gross M, Neshet E, Tikhonov T, Raz O and **Pinhasov*** A. Chronic food administration of Salvia sclarea oil reduces animals' anxiety-like and dominant behavior. *Journal of Medicinal Foods*. 2013 Mar;16(3):216-22. 2013.
37. Schechter M, Weller A, Pittel Z, Gross M, Zimmer A, **Pinhasov*** A. Endocannabinoid receptor (CB1R) deficiency affects maternal care and alters the dam's hippocampal oxytocin receptor and BDNF expression. *Journal of Neuroendocrinology*, Oct;25(10):898-909, 2013.
38. Abookasis D., Shochat A., Neshet E., Pinhasov A. Exploring diazepam's effect on hemodynamic responses of mouse brain tissue by optical spectroscopic imaging // *Biomedical Optics Express* Vol. 5, Iss. 7, pp. 2184–2195, 2014.
39. Neshet E., Koman I., Gross M., Tikhonov T., Bairachnaya M., Salmon-Divon M., Levin Y, Gerlitz G., Michaelovski I., Yadid G. and **Pinhasov*** A. Synapsin IIb as a functional marker of submissive behavior. *Scientific reports*, 2015, doi: 10.1038/srep10287.
40. Gross M., Sheinin A., Neshet E., Tikhonov T., Baranes D., **Pinhasov** A. and Michaelovski I. 2015. Early onset of cognitive impairment is associated with altered synaptic plasticity and enhanced hippocampal GluA1 expression in a mouse model of depression. *Neurobiology of Aging*, 2015, doi: 10.1016/j.neurobiolaging.2015.02.015.
41. Kreinin A., Lisson S., Neshet E., Schneider J., Bergman J., Farhat K., Farah J., Lejbkowitz F., Yadid G., Raskin L., Koman I. and **Pinhasov*** A. Blood BDNF level is gender specific in severe depression. Case-control study. *PlosOne*, 2015, doi: 10.1371/journal.pone.012764.
42. Lapidot I, Baranes D, **Pinhasov** A, Gellerman G, Albeck A, Grynszpan F, Shatzmiller SE, a-Aminoisobutyric Acid Leads a Fluorescent Syn-Bimane Laser Probe Across the Blood-Brain Barrier. *Med Chem*. 2015.

43. Borovok N, Neshet E, Levin Y, Reichenstein M, **Pinhasov** A and Michaelievski I. Dynamics of hippocampal protein expression during long-term spatial memory formation. *Molecular and Cellular Proteomics*, 2015.
44. Gross M, and **Pinhasov*** A. Time-dependent recovery of sucrose preference in mice exposed to Chronic Mild Stress. *Behavioral Brain Research*, 298:25-34, 2016.
45. Abildinova G, Abdurachmanova Z, Tuchinsky H, Neshet E, **Pinhasov** A, Raskin L. Fast detection of deletion breakpoints using quantitative PCR. *Genetics and Molecular Biology*. 2016
46. Bruchim-Samuel M, Lax E, Gazit T, Friedman A, Ahdoot H, Bairachnaya M, **Pinhasov** A, and Yadid G. Electrical stimulation of the vmPFC serves as a remote control to affect VTA activity and improve depressive-like behavior. *Experimental Neurology*, 2016
47. Vinnik T, Kirby M, Bairachnaya M, Koman I, Tarkina T, Sadykova G, Abildinova G, Batpenova G and **Pinhasov** A*. Seasonality and BDNF polymorphism influences depression outcome in patients with atopic dermatitis and psoriasis. *World J Biol Psychiatry*. 2016
48. Novel synthetic cyclic integrin $\alpha v \beta 3$ binding peptide ALOS4: Antitumor activity in animal melanoma models Tuchinsky L, Wisotsky-Yacobovich S, Neshet E, Kirby M, Redko B, Gellerman G, Tobi D, Gurova K, Koman I, Ashur Fabian O and Pinhasov A. *Oncotarget* 2016
49. Redko B, Tuchinsky L, Segal T, Tobi D, Luboshits G, Ashur-Fabian O, Pinhasov A, Gerlitz G, Gellerman G. Toward the development of a novel non-RGD cyclic peptide drug conjugate for treatment of human metastatic melanoma. *Oncotarget*. 2017 Jan 3;8(1):757-768. doi: 10.18632/oncotarget.12748.
50. Borovok N, Neshet E, Reichenstein M, Tikhonova T, Levin Y, **Pinhasov** A, Michaelievski I. Effect of social interactions on hippocampal protein expression in animal dominant and submissive model of behavioral disorders. *Proteomics Clin Appl*. 2017 Jul 5. doi: 10.1002/prca.201700089. [Epub ahead of print].
51. Gross M, Stanciu E, Kenigsbuch-Sredni D, Sredni B, **Pinhasov** A*. The immunomodulatory tellurium compound ammonium trichloro (dioxoethylene-O,O') tellurate reduces anxiety-like behavior and corticosterone levels of submissive mice. *Behav Pharmacol*. 2017 Sep;28(6):458-465. doi: 10.1097/FBP.0000000000000319.
52. Yanovich C, Kirby M, Michaelievski I, Yadid G, **Pinhasov** A*. Social rank-associated stress vulnerability predisposes individuals to cocaine attraction. *Scientific Reports*, 8 (1), 1759, 2018.
53. Gross M, Romi H, Gilimovich L, Drori E, **Pinhasov** A*. Placental glucocorticoid receptor and 11 β -hydroxysteroid dehydrogenase-2 recruitment indicates impact of prenatal adversity upon postnatal development in mice, *Stress* 21 (6), 474-483, 2018
54. Gershanov S, Toledano H, Michowiz S, Barinfeld O, **Pinhasov** A, Goldenberg-Cohen N and Salmon-Divon M. MicroRNA–mRNA expression profiles associated with medulloblastoma subgroup 4. *Cancer Management and Research*, 10, 339, 2018.
55. Gross M, Romi H, Miller A, **Pinhasov** A*, Social dominance predicts hippocampal glucocorticoid receptor recruitment and resilience to prenatal adversity, *Scientific reports* 8 (1), 9595, 2018
56. Basil AH, Gross M, Rajkumar R, Kirby M, **Pinhasov** A, Dawe GS, Social defeat-induced Cingulate gyrus immediate-early gene expression and anxiolytic-like effect depend upon social rank, *Brain research bulletin* 143, 97-105, 2018.
57. Rodin D, Kirby M, Sedogin N, Shapiro Y, **Pinhasov** A, Kreinin A. Comparative accuracy of optical sensor-based wearable system for non-invasive measurement of blood glucose concentration, *Clinical biochemistry* 65, 15-20, 2019.
58. Vinnik T, Kreinin A, Abildinova G, Batpenova G, Kirby M, **Pinhasov** A. Biological Sex and IgE Sensitization Influence Severity of Depression and Cortisol Levels in Atopic Dermatitis, *Dermatology*, 1-9, 2019
59. Cohen, K., Mama, Y., Rosca, P., **Pinhasov**, A., Weinstein A. (2020). Personality Traits and Psychotic Proneness Among Chronic Synthetic Cannabinoid Users. *Frontiers in Psychiatry* 11, 602.
60. Cohen, K., Rosenzweig, S., Rosca, P., **Pinhasov**, A., Weizman, A., Weinstein, A. (2020). Personality Traits and Psychotic Proneness Among Chronic Synthetic Cannabinoid Users. *Frontiers in Psychiatry* 11.
61. Bairachnaya, M., Agranyoni, O., Antoch, M., Michaelievski, I., **Pinhasov***, A. (2020). Innate sensitivity to stress facilitates inflammation, alters metabolism and shortens lifespan in a mouse model of social hierarchy, *Aging*, 11 (21), 9901.

62. Kardash, T., Rodin, D., Kirby, M., Davis, N., Koman, I., Gorelick, J., Michaelievski, I., **Pinhasov*** A. (2020). Link between personality and response to THC exposure. Behavioral Brain Research, 379, 112361.
63. Murlanova, K., Michaelievski, I., Kreinin, A., Terrillion, C., Pletnikov, M., Pinhasov A., (2020) Link between temperament traits, brain neurochemistry and response to SSRI: insights from animal model of social behavior. Journal of Affective Disorders., <https://doi.org/10.1016/j.jad.2020.11.005>.

* *Corresponding Author*

Patents

1. Methods of inhibiting cancer cells with ADNF III antisense oligonucleotides. Gozes I., Zamostiano R., Gelber E., **Pinhasov A.**, Bassan M. (all of Tel Aviv University), Brenneman D.E (NICHD) Serial No.: 09/364,609 filed 30 Jul 1999.
2. Brenneman D.E., Spong C.Y., (both of NICHD), Gozes I., **Pinhasov A.**, Giladi E. (all of Tel Aviv University) Activity Dependent Neurotrophic Factor I polypeptide having as an active core site the sequence: Ser-Ala-Leu-Leu-Arg-Ser-Ile-Pro-Ala; neurotrophic/neuroprotective activity; treating conditions associated with fetal alcohol syndrome, patent N. 7384908, Publication date: 6.10.2008
3. Orally active peptides that prevent cell damage and death. Brenneman D.E., Spong C.Y., (both of NICHD), Gozes I., **Pinhasov A.**, Giladi E. (all of Tel Aviv University) Serial No.: 60/149,956 filed 18 Aug. 1999.
4. Peptides and compositions comprising same and uses thereof in the treatment of serotonin related diseases. **Pinhasov A.**, Ashur-Fabian O., 2015.

Book Chapters

1. Gozes I, Furman S, Steingart RA., Pinhasov A, Vulih I., Romano J., Zaltzman R, Zamostiano R., Giladi E, Rubinraut S., Fridkin M., Hauser J. and Brenneman DE. Femtomolar-acting neuroprotective peptides: application for inhibition of Alzheimer's disease. Chapter in book: drug discovery and development for Alzheimer's disease. Springer Publishing Company, 204-214, 2000.
2. Pinhasov A., Vaidya AH., Xin H., Horowitz D., Rosental D., Brenneman D.E., Malatynska E., Ilyin SE. and Plata-Salamon C.R. Functional Informatics in Drug Discovery. Opportunities in CNS Drug Discovery and Development. CRC Press, Taylor & Francis Group. 2008.
3. Gozes I, Giladi E, Pinhasov A, Furman S, Romano J, Steingart R, Rubinraut S, Fridkin M, Intranasal delivery of bioactive peptides or peptide analogues enhances spatial memory and protects against cholinergic deficits. Chapter in book: Blood—Brain Barrier, pages: 363-370, Springer, 2001.
4. Malatynska E, Pinhasov A, Knapp RJ. Reduction of submissive behavior model for antidepressant drug testing in mice. Chapter in book: Mood and Anxiety Related Phenotypes in Mice. pages 277-296, Humana Press, 2009
5. Pinhasov A., Michaelievski I., Koman I. and Neshet E. PACAP and Depression. Chapter in book: Pituitary Adenylate Cyclase Activating Polypeptide – PACAP. Editors: Dora Reglodi and Andrea Tamas. Springer. 2016.

CONFERENCE PAPERS

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