BIOGRAPHICAL SKETCH

NAME:
Yadin Dudai

Professional field:
The Neuroscience of Learning and Memory

AFFILIATION:
Department of Neurobiology
Weizmann Institute of Science
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Professor (Emeritus)

SECONDARY AFFILIATION
Center for Neural Science
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Global Distinguished Professor

A. Education/Training

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	MM/YY	FIELD OF STUDY
Hebrew University	B.Sc. (in distinction)	1969	Biochemistry, Genetics (Supplements in History)
Weizmann Institute of Science	Ph.D.	1974	Biophysics
California Institute of Technology	(Postdoctoral training)	1976	Neuroscience

B. Appointments and Honors

Academic Appointments

1974 Scientist, Weizmann Institute of Science (on leave of absence)
1974 Research Fellow, California Institute of Technology, Pasadena
1976 Senior Scientist, Weizmann Institute of Science, Rehovot
1980 Associate Professor (tenured), Weizmann Institute
1988 Full Professor, Weizmann Institute

Other Scientific Research Appointments

1976 Visiting Scientist, Rudolf Magnus Institute of Pharmacology, Utrecht, Holland
1977 Visiting Scientist, University of Freiburg, Germany
1982 Visiting Professor, Columbia University Center for Neurobiology & Behavior, NY
1982 Visiting Professor, Project Zero, Harvard University
1988 Visiting Professor, Yale University
1991 Visiting Scholar, National Institutes of Mental Health, NIH, Bethesda, MD
1998 Visiting Professor, Center for Neuroscience, Edinburgh University
1999 Visiting Professor, New York University
2002 Visiting Professor, College de France, Paris
2003 Visiting Professor, Boston University
2004- Global Distinguished Professor, New York University

Selected Academic Honors

1974 The JF Kennedy Prize
1974-7, 1982 EMBO long-term fellowships

1982	The Glicksman Award
1982	Royal Society Visiting Professorship, Cambridge University (declined)
1984	The Sara and Michael Sela Professorial Chair in Neurobiology
1988	Annual Neuroscience Lecture, Czech Academy of Science
1991-1995	Fogarty Scholar in Residence, National Institutes of Health, Bethesda
1999-2001	Chair, European Network on Learning & Memory
2002	Public Lecture Series, College de France, Paris
2003	Inaugural Professor in Residence, Center for Memory & Brain, Boston University
2003	D.O. Hebb Lecture, McGill University, Montreal
2004-2005	President, European Society of Molecular and Cellular Cognition
2004-2008	Steering team, Multidisciplinary Science of Memory Project, McDonnell Foundation, St. Louis
2004-2012	Board, International Society of Molecular and Cellular Cognition, LA
2005	The Annual Volker-Henn Lecture, University of Zurich, Zurich
2006	Eduardo De Robertis Lecture and Medal, Argentina
2008-Present	The Albert and Blanch Willner Family Global Distinguished Professor of Neural Science, NYU
2011	Max Birnstiel Lecture, IMP, Vienna
2011	The Annual Carl P. Duncan Lecture, Northwestern University
2011	The Frontiers in Behavioral Neuroscience Lecture, Brain and Behavior Society, Seville
2012	The EBBS lecture, Bordaeux
2012	Honorary Member, Argentinian Society for Neuroscience
2012	Fellow in Neuroscience, American Association for the Advancement of Science (AAAS)
2012	Fellow, Association of Psychological Science (APS), Washington DC
2013	Maldonado memorial lecture in memory, Cordoba
2013	The 2013 IPSEN Prize in Neural Plasticity, Paris
2014-	Member, European Molecular Biology Organization (EMBO)
2014-	Member, Israel National Academy of Sciences and Humanities
2015	The Annual Picower Lecture, MIT
2015	Friedrich Miescher Lecture, Friedrich Miescher Institute for Biomedical Research, Basel
2017	The Annual Samuel Neaman Lecture, Technion, Haifa
2018	The Annual Yaar-Zolokov Memorial Lecture, Open University
2019	Braginsky Lecture in Sciences and Humanities, Weizmann Institute of Science

Editorial Boards

Journal of Neurogenetics
European Journal of Neuroscience (1997-2000)
Learning & Memory, Cold Spring Harbor
Projections
Annual Review of Psychology (2005-2010)
Trends in Cognitive Sciences, Cell Press
Behavioral Science & Policy (Brookings Institute & Duke)

Academic and Scientific Administrative Positions

1983-1988	Chair, Board of Studies in the Life Sciences, Weizmann Institute
1987 (part)	Acting Dean, Feinberg Graduate School, Weizmann Institute
1988-1991	Head, Scientists and Post-Doctoral Fellowships Programs, Weizmann Institute
1991-1992	Chair, Promotion Committee, Life Sciences Faculties, Weizmann Institute
1991-1997	Dean, Faculty of Biology, Weizmann Institute of Science
2004-2010	Chair, Department of Neurobiology, Weizmann Institute of Science; Head, Nella and Leon Benoziyo Center for Neurosciences, Carl and Micaela Einhorn-Dominic Center of Brain Research, and Norman and Helen Asher Center for Brain Imaging
2011-2019	Scientific Director, Israeli Center of Research Excellence (I-CORE) in the Cognitive Sciences

2019- Chair, Science Division, Israel National Academy of Sciences and Humanities

Other Selected Academic and Scientific Positions

1982-1985 Member, Giftedness and Excellence committee, SSRC, NY
1985-1986 Member, Board of Directors, The Interuniversity Laboratory for Marine Biology, Eilat
1985-1987 Member, Van Leer team on long-term planning of Israeli Higher Education
1985-1987 Member, Education Minister appointed Council, de-Shalit Israeli Center for Science Education
1985-2004 Steering Committee, Bat-Sheva de Rothschild Science Foundation
1986-1988 Member, Ad hoc Presidential Committee for scientific planning of the Weizmann Institute
1989-1992 Member, National Planning and Grants Committee (VATAT), Council for Higher Education, Jerusalem
1989-1992 Board and Management, Fund for Basic Research (turned into ISF)
1994-1995 Chair, Committee of Innovative Research, Ministry of Science, Jerusalem
1994-1995 Member, Wolf Prize Committee
1998-2001 Professorial Promotions Committee, Weizmann Institute of Science
1998-2002 Board and Executive Council, Fund for Innovation (Bikura), Israeli Academy of Science
2001 Invited Scientist Participant, World Economic Forum, Davos
2002-2003 Invited Fellow, World Knowledge Forum, Seoul
2002 International Scientific Review Committee, RIKEN Institute for Brain Research, Tokyo
2006- Scientific council, Molecular and Cellular Cognition Society (MCCS), USA
2006 International Scientific Review Committee, Brain Research Group, EPFL, Lausanne
2008 International Scientific Review Committee, Brain Research Institute, University of Zurich, Zurich
2009 International Scientific Review Committee, German Science Ministry, Bonn
2009- Scientific Board, Felsenstein Medical Research Center, Tel-Aviv University
2009 Chair, International Scientific Review Committee, Neuroscience and Cognition, AERES/University of Paris
2010-2013 Member, TELEM (Israel National Forum for Research Infrastructure) International Committee for Evaluation of Israeli Neuroscience
2010 Chair, TEVA Prize Committee
2010- Scientific Advisory Board, Aspen Brain Lab, Aspen
2011- Chair and delegate, Israeli Committee, International Brain Research Organization (IBRO)
2011-2013 Evaluation committee in Neuroscience, Champalimaud Institute of the Unknown, Lisbon
2011-2014 Chair of the Board of Directors (pro bono), Ort-Braude Academic Technological College, Karmiel
2011-2014 Member, Yad Hanadiv Foundation
2013-2014 Member of the International Advisory Board, The Human Brain Project (HBP), ICT Flagship of the European Committee, Lausanne and Bruxelles
2013-2015 Coordinator and Team Head, Work Package on Human Memory, HBP, Lausanne
2013 International Scientific Advisory Board, BRAIN LabEx, the French National Cluster of Excellence in Neuroscience, Bordeaux
2014- Chairperson of the Clore Scholars Program, Jerusalem
2014- Scientific Coordinator, Inter-Academy Neuroscience Meeting Series, Israel Academy of Science and German Leopoldina Academy of Science, Jerusalem and Halle
2017- Scientific Advisory Council (SAC), Blavatnik Awards for Young Scientists in Israel, administered by the New York Academy of Science and the Israel Academy of Science
2017-2019 Senior Research Fellow, Samuel Neaman Institute for National Science Policy, Technion, Israel Institute of Technology, Haifa
2019- Chairperson, The Sciences Division, Israel National Academy for Sciences and Humanities, Jerusalem

Selected Public Service Positions

1963-1967 Compulsory Army service, IDF (Reserve duty till 2004)

1970-1971	Coordinator, Government Committee on Engineering in Israel
1973-4,1977	Coordinator and member, National Forum for Science Policy, President's office, Jerusalem
1991	Ad-hoc team on scientists relocation, Ministry of Science, Israel and Moscow
1994-1997	Board, Yad Weizmann, Rehovot
1994-2006	Strategic R&D committees, PM office
1997-2001	Member, Pugwash International Forums, Jerusalem and Geneva
1999-	Founding member, BaShaar, NGO for the promotion of science in Israeli society
2004-2006	Member, Committee for Reassessment of National Defence Policy ("Meridor Committee")
2009-2010	Chair, National Committee on R&D data bases, National Council for R&D, Jerusalem
2011-2014	Member, President Peres Brain Technology Initiative and member of the board, Israel Brain Technologies and the international B.R.A.I.N. Prize, Jerusalem
2012-2016	Chair, National forum for R&D infrastructure (TELEM) committee on Brain Imaging and Brain-Inspired Technology, Tel-Aviv
2013-2014	Chair, President Peres committee on Excellence Awards to Brain Research
2014-	Israel Global Strategy Project, Neaman Institute, Technion, Haifa

List of Publications

1. Kalderon N, Silman I, Blumberg S, Dudai Y (1970) A method for the purification of acetylcholinesterase by affinity chromatography. *Biochem Biophys Acta* 207, 560-562.
2. Dudai Y, Silman I (1971) The subunits of an acetylcholinesterase preparation purified from trypsin-treated electric eel tissue. *FEBS Lett* 16, 324-328.
3. Dudai Y, Silman I, Kalderon N, Blumberg S (1972) Purification by affinity chromatography of acetylcholinesterase from fresh electric eel subsequent to tryptic treatment. *Biochem Biophys Acta* 268, 138-157.
4. Dudai Y, Silman I, Shinitzky M, Blumberg S (1972) Purification by affinity chromatography of acetylcholinesterase from fresh electric eel. *Proc Natl Acad Sci USA* 69, 2400-2403.
5. Dudai Y, Silman I (1973) The effect of Ca^{++} on interaction of acetylcholinesterase with subcellular fractions of electric organ tissue from the electric eel. *FEBS Lett* 30, 49-52.
6. Silman I, Dudai Y (1973) Structure of membrane-bound acetylcholinesterase. In: Proc. XXIst Colloquium, *Protides of the Biological Fluids*, Brugge, Pergamon Press, London, pp. 257-261.
7. Shinitzky M, Dudai Y, Silman I (1973) Spectral evidence for the presence of tryptophan in the binding site of acetylcholinesterase. *FEBS Lett* 30, 125-128.
8. Dudai Y, Herzberg M, Silman I (1973) Molecular structures of acetylcholinesterase from electric organ tissue of the electric eel. *Proc Natl Acad Sci USA* 70, 2473-2476.
9. Dudai Y, Silman I (1974) The molecular weight and subunit structure of acetylcholinesterase preparations from the electric organ of the electric eel. *Biochem Biophys Res Commun* 59, 117-124.
10. Dudai Y, Silman I (1974) The effects of solubilization procedures on the release and molecular state of acetylcholinesterase from electric organ tissue. *J Neurochem* 23, 1177-1187.
11. Dudai Y, Silman I (1974) Acetylcholinesterase. In: *Methods in Enzymol., Enzyme Purification: Part B, Affinity Methods* (Jacoby WB, Wilchek M, eds.), Academic Press, NY, pp. 571-580.
12. Dudai Y (1974) *Scientific Research in Israel*. NCRD, Jerusalem (in Hebrew).
13. Dudai Y (1975) *Guide to World Science, Vol. 13: Israel*. Francis Hodgson, Gurnsey.
14. Tal E., Arnon N. Dudai Y (1975) *Science and Technology in Israel*. NCRD, Jerusalem.
15. Silman I, Dudai Y (1975) Acetylcholinesterase. In: *Research Methods in Neurochemistry*, Vol. III (Marks N, Rodnight R, eds.), Plenum Press, NY, pp. 209-252.4
16. Silman I, Dudai Y (1975) Molecular structure and catalytic activity of membrane bound acetycholinesterase from electric organ tissue of the electric eel. *Croat Chem Acta* 47, 181-200.
17. Dudai Y, Jan YN, Byers D, Quinn WG, Benzer S (1976): *dunce*, a mutant of *Drosophila* deficient in learning. *Proc Natl Acad Sci USA* 73, 1684-1688.
18. Quinn WG, Dudai Y (1976) Memory phases in *Drosophila melanogaster*. *Nature* 262, 576-577.

19. Dudai Y (1977) Molecular states of acetylcholinesterase from *Drosophila melanogaster*. *Dros Inf Ser* 52, 65-66.
20. Dudai Y (1977) Properties of learning and memory in *Drosophila melanogaster*. *J Comp Physiol* 114, 69-89.
21. Dudai Y (1977) Demonstration of an a-bungarotoxin-binding nicotinic receptor in flies. *FEBS Lett* 76, 211-213.
22. Dudai Y, Amsterdam A (1977) Nicotinic receptors in the brain of *Drosophila melanogaster* demonstrated by autoradiography with ^{125}I-bungarotoxin. *Brain Res* 130, 551-555.
23. Dudai Y, Ben-Barak J (1977) Muscarinic receptor in *Drosophila melanogaster* demonstrated by binding of ^{3}H-quinuclidinyl benzilate. *FEBS Lett* 81, 134-136.
24. Silman I, Dudai Y (1977) Acetylcholinesterase: Structure and activity of a membrane-bound enzyme. *Adv Biol Med Physics* 16, 223-234.
25. Dudai Y (1978) Properties of an a-bungarotoxin-binding cholinergic nicotinic receptor from *Drosophila melanogaster*. *Biochim Biophys Acta* 539, 505-517.
26. Segal M, Dudai Y, Amsterdam A (1978) Distribution of an a-bungarotoxin-binding cholinergic receptor in rat brain. *Brain Res* 148, 105-119.
27. Dudai Y, Segal M (1978) a-Bungarotoxin-binding sites in rat hippocampus: Localization in postsynaptic cells. *Brain Res* 154, 167-171.
28. Dudai Y, Bicker G (1978) Comparison of visual and olfactory learning in *Drosophila*. *Naturwissen* 65, 495-496.
29. Dudai Y, Yavin E (1978) Ontogenesis of muscarinic receptors and acetylcholinesterase in differentiating rat cerebral cells in culture. *Brain Res* 155, 368-373.
30. Ben-Barak J, Dudai Y (1979) Cholinergic binding sites in rat hippocampal formation: Properties and ontogenesis. *Brain Res* 166, 245-257.
31. Haim N, Nahum S, Dudai Y (1979) Properties of a putative muscarinic cholinergic receptor from *Drosophila melanogaster*. *J Neurochem* 32, 543-552.
32. Dudai Y (1979) Behavioral plasticity in a *Drosophila* mutant, dunce^{DB276}. *J Comp Physiol* 130, 271-275.
33. Dudai Y (1979) Modulation of calf cortex benzodiazepine-binding sites by an endogenous factor and GABAergic ligands. *Brain Res* 167, 422-425.
34. Gazit H, Silman I, Dudai Y (1979) Administration of an organophosphate causes a decrease in muscarinic receptor level in rat brain. *Brain Res* 174, 351-356.
35. Dudai Y, Yavin Z, Yavin E (1979) Binding of ^{3}H-flunitrazepam to differentiating rat cerebral cells in culture. *Brain Res* 177, 418-422.
36. Dudai Y (1979) Cholinergic receptors in insects. *Trends Biochem Sci* 4, 40-44.
37. Dudai Y (1979) Genetic dissection of learning and memory in *Drosophila*. *Molecular Mechanisms of Biological Recognition* (Balaban M, ed.), Elsevier, Amsterdam, pp. 341-352.
38. Dudai Y, Quinn WG (1980) Genes and learning in *Drosophila*. *Trends Neurosci* 3, 28-30.
39. Dudai Y (1980) Cholinergic receptors of *Drosophila*. In: *Receptors for neurotransmitters, Hormones and Pheromones in Insects* (Sattelle D, Hall LM, Hildebrand JG, eds.), Elsevier/North Holland, NY, pp. 93-110.
40. Dudai Y, Ben-Barak J, Silman I, Gazit H (1980) Ontogenesis and modulation of cholinergic receptors in rat brain. In: *Neurotransmitters and their Receptors* (Littauer UZ et al., eds.), J. Wiley, NY, pp. 217-239.
41. Sherman-Gold R, Dudai Y (1980) Solubilization of a benzodiazepine receptor from calf cortex. In: *Neurotransmitters and their Receptors* (Littauer UZ. et al., eds), J. Wiley, NY, pp. 439-445.
42. Sharon N, Dudai Y (1980) Biochemistry in a small country: The case of Israel. *Trends Biochem Sci* 5(7): I-II.
43. Ben-Barak J, Dudai Y (1980) Early septal lesion: Effect on the development of the cholinergic system in rat hippocampus. *Brain Res* 185, 323-334.
44. Dudai Y, Nahum-Zvi S, and Haim-Granot N (1980) Cholinergic pharmacology of *Drosophila*: Comparison of *in vivo* to *in vitro* studies. *Comp Biochem Physiol* 65C, 135-138.
45. Dudai Y, Gold R (1980) Studies on the properties of benzodiazepine binding-sites from calf cortex. *Prog Biochem Pharmacol* 16, 95-108.

46. Ben-Barak J, Dudai Y (1980) Scopolamine induces an increase in muscarinic receptor level in rat hippocampus. *Brain Res* 193, 309-313.
47. Ben-Barak J, Gazit H, Dudai Y (1980) Fornix lesion prevents an organophosphate-induced decrease in muscarinic receptor level in rat hippocampus. *Brain Res* 198, 485-490.
48. Gold R, Dudai Y (1980) Solubilization of benzodiazepine binding sites form calf cortex. Brain Res 198, 485-490.
49. Altstein M, Dudai Y, Vogel Z (1981) Benzodiazepine receptors in chick retina: Properties and cellular localization. *Brain Res* 206, 198-202.
50. Dudai Y (1981) Modulation of a putative muscarinic receptor from *Drosophila melanogaster* by ions and a guanyl nucleotide. *Comp Biochem Physiol* 69C, 387-390.
51. Ben-Barak J, Gazit H, Silman I, Dudai Y (1981) *In vivo* modulation of the number of muscarinic receptors in rat brain by cholinergic ligands. *Eur J Pharmacol* 74, 73-81.
52. Sherman-Gold R, Dudai Y (1981) Involvement of tyrosyl residues in the binding of benzodiazepines to their brain receptors. *FEBS Lett* 131, 313-316.
53. Dudai Y. (1981) L'Intelligence de la mouche. *La Recherche* 12(118): 58-71.
54. Dudai Y (1981) Genetic approaches to insect neurochemistry. In: *Neuropharmacology of Insects* (Usherwood PNR, ed), Pitman, London, pp. 199-206.
55. Sherman-Gold R, Dudai Y (1981) □-Carboline binding to deoxycholate solubilized benzodiazepine receptors from calf cerebral cortex. *Neurosci Lett* 26, 325-328.
56. Uzzan A, Dudai Y (1982) Aminergic receptors in *Drosophila melanogaster*: Responsiveness of adenylate cyclase to putative neurotransmitters. *J Neurochem* 38, 1542-1550.
57. Dudai Y, Zvi S (1982) Aminergic receptors in *Drosophila melanogaster*: Properties of ^{3}H-dihydroergocryptine-binding sites. *J Neurochem* 38, 1551-1558.
58. Dudai Y (1982) High-affinity octopamine receptors in *Drosophila* revealed by binding of ^{3}H-octopamine. *Neurosci Lett* 28, 163-167.
59. Sherman-Gold R, Dudai Y (1983) Diethylpyrocarbonate modification of benzodiazepine receptors from calf cerebral cortex. *Neurochem Res* 8, 259-267.
60. Sherman-Gold R, Dudai Y, Fogelfield L, Fuchs S (1983): Production of high affinity antiserum to benzodiazepines. *J Immunoassay* 4, 135-146.
61. Sherman-Gold R, Dudai Y (1983) Heterogeneity in the physicochemical properties of deoxycholate-solubilized benzodiazepine receptors from calf cerebral cortex. *Neurochem Res* 8, 853-864.
62. Sherman-Gold R, Dudai Y (1983) Glycoprotein properties of benzodiazepine receptors from calf cerebral cortex. *J Neurosci Res* 10, 27-33.
63. Dudai Y (1983) Mutations affect the storage and use of memory in *Drosophila* differentially. *Proc Natl Acad Sci USA* 80, 5445-5448.
64. Dudai Y, Uzzan A, Zvi S (1983) Abnormal activity of adenylate cyclase in the *Drosophila* memory mutant *rutabaga*. *Neurosci Lett* 42, 207-212.
65. Dudai Y (1983) Small brains and their memories. *Mada* 5, 225-232 (in Hebrew).
66. Sherman-Gold R, Dudai Y (1984) Molecular properties of benzodiazepine receptors form calf cerebral cortex, in: *Molecular Approaches in Neurobiology* (Soreq H, ed), J. Wiley, Chichester, pp. 77-89.
67. Dudai Y, Zvi S (1984) High-affinity ^{3}H-octopamine-binding sites in *Drosophila melanogaster*: Interaction with ligands and relationship to octopamine receptors. *Comp Biochem Physiol 44C*, 145-151.
68. Dudai Y, Zvi S (1984) ^{3}H-Serotonin binds to two classes of sites in *Drosophila* head homogenate. *Comp Biochem Physiol* 77C, 305-309.
69. Dudai Y, Zvi S (1984) Adenylate cyclase in the *Drosophila* memory mutant *rutabaga* is defective in its responsiveness to Ca^{2+}. *Neurosci Lett* 47, 119-124.
70. Dudai Y, Zvi S, Segel S (1984) A defective conditioned behavior and a defective adenylate cyclase in the *Drosophila* mutant *rutabaga*. *J Comp Physiol* 155, 569-576.
71. Dudai Y, Zvi S (1985) Multiple defects in the adenylate cyclase of *rutabaga*, a memory mutant of *Drosophila*. *J Neurochem* 45, 355-364.
72. Dudai Y, Sher B, Segal D, Yovell Y (1985) Defective responsiveness of adenylate cyclase to forskolin in the *Drosophila* memory mutant *rut*. *J Neurogenet* 2, 365-380.

73. Dudai Y (1985) Some properties of adenylate cyclase which might be important for memory formation. *FEBS Lett* 191, 165-170.
74. Dudai Y (1985) Analysis of receptors and binding sites in nervous tissue of insects, In: *Neurochemical Methods in Insect Research* (Miller TA, Breer H, eds), Springer-Verlag, NY, pp. 79-101.
75. Dudai Y (1985) Genes, enzymes and learning in *Drosophila*. *Trends Neurosci* 8, 18-22.
76. Gardner H, Dudai Y (1985): Biology and giftedness. *Items* 39(1), 1-6.
77. Dudai Y (1986) On experimental approaches and evolution, In: *The Kaleidoscope of Science, Boston Studies in the Philosophy of Science*, Vol. 94 (Ullmann-Margalit ., ed), Reidel, Dordrecht, pp. 111-115.
78. Dudai Y (1986) cAMP metabolism and memory in *Drosophila*. *Adv Cyc Nucleot Prot Phosphoryl Res* 20, 343-361.
79. Dudai Y (1986) *The Biology of Memories.* The Publishing House, MOD, Tel-Aviv. 91 pp. (in Hebrew).
80. Dudai Y, Buxbaum J, Corfas G, Orgad S, Segal D, Sher B, Uzzan A, Zvi S (1986) Defective cAMP metabolism and defective memory in *Drosophila*. *Acta Biochem Biophys Hung* 21, 177-192.
81. Yovell Y, Dudai Y (1987) The possible involvement of adenylate cyclase in learning and short-term memory: Experimental data and some theoretical considerations. *Isr J Med Sci* 23, 49-60.
82. Orgad S, Dudai Y, Cohen P (1987) The protein phosphatases of *Drosophila melanogaster* and their inhibitors. *Eur J Biochem* 164, 31-38.
83. Altstein M, Dudai Y, Vogel Z (1987) Angiotensin-converting enzyme associated with *Torpedo californica* electric organ membranes. *J Neurosci Res* 18, 333-340.
84. Dudai Y, Buxbaum J, Corfas G, Ofarim M (1987) Formamidines interact with *Drosophila* octopamine receptors, alter the flies' behavior and reduce their learning ability. *J Comp Physiol* 161, 739-746.
85. Buxbaum J, Dudai Y (1987) *In vitro* protein phosphorylation in head preparations from normal and mutant *Drosophila*. *J Neurochem* 49, 1161-1173.
86. Yovell Y, Kandel E, Dudai Y, Abrams T (1987) Biochemical correlates of short-term sensitization in *Aplysia* : Temporal analysis of adenylate cyclase stimulation in a perfused membrane preparation. *Proc Natl Acad Sci USA* 84, 9285-9289.
87. Dudai Y (Rapporteur), Amari SI, Bienenstock E, Dehaene S, Fuster J, Goddard GV, Konishi M, Menzel R, Mishkin M, Miller CM, Rolls ET, Shwegler HH, von der Malsburg C (1987) On neuronal assemblies and memories, In: Molecular and Cellular Mechanisms of Learning (Changeux JP, Konishi M, eds), Wiley, NY, pp. 399-410.
88. Dudai Y (1987) The cAMP cascade in the nervous system: Molecular sites of action and possible relevance to neuronal plasticity. *CRC Crit Rev Biochem* 22, 221-281.
89. Dudai Y (1988) Neurogenetic dissection of learning and short-term memory in *Drosophila*. *Ann Rev Neurosci* 11, 537-563.
90. Buxbaum J, Dudai Y (1988) A microtiter-based assay for protein kinase activity suitable for the analysis of large number of samples and its application for the study of *Drosophila* learning mutants. *Anal Biochem* 169, 209-215.
91. Dudai Y, Corfas G, Hazvi S (1988) What is the possible contribution of Ca^{2+}-stimulated adenylate cyclase to acquisition, consolidation and retention of an associative olfactory memory in *Drosophila*. *J Comp Physiol* 162, 101-109.
92. Corfas G, Dudai Y (1989) Habituation and dishabituation of a cleaning reflex in normal and mutant *Drosophila*. *J Neurosci* 9, 56-62.
93. Buxbaum J, Dudai Y (1989) A quantitative model for the kinetics of cAMP-dependent protein kinase (type II) activity: Long-term activation of the kinase and its possible relevance to learning and memory. *J Biol Chem* 264, 9344-9351.
94. Buxbaum J, Dudai Y (1989) *In vivo* protein phosphorylation in *Drosophila* mutants defective in learning and memory. *Neurosci Lett* 104, 351-355.
95. Orgad S, Llamazares S, Dudai Y, Ferrus A (1989) The *Drosophila* mutant *tetanic* interacts with a gene complex including the structural locus of K^+ channels and shows altered dephosphorylation and learning. *Eur J Neurosci* 1, 367-373.
96. Eliot LS, Dudai Y, Kandel ER, Abrams TW (1989) Ca^{2+}/Calmodulin sensitivity may be common to all forms of neural adenylate cyclase. *Proc Natl Acad Sci USA* 86, 9564-9568.

97. Dudai, Y. (1989): Molecular dissection of complex behaviors: Elementary mechanistic rules in search of content. In: From neuron to reading (A. Galaburda, Ed.), MIT Press, Cambridge, Mass. pp. 507-525.
98. Dudai Y (1989) Universal learning mechanisms: from genes to molecular switches. In: *Cell to cell signalling. From experiments to theoretical models* (Goldbetter A, ed), Academic Press, London, pp. 99-108.
99. Dudai Y (1989) *The Neurobiology of Memory. Concepts, Findings, Trends*. 340 pp. Oxford University Press, Oxford.
100. Dudai Y (1990) Elementary molecular devices for acquisition and retention of memory. In: *The neurobiology of learning* (Squire L, Lindenlaub E, eds), Schattauer Verlag, Sttutgart, pp. 33-43.
101. Corfas G, Dudai Y (1990) Adaptation and fatigue of a mechanosensory neuron in wild-type *Drosophila* and in memory mutants. *J Neurosci* 10, 491-499.
102. Corfas G, Dudai Y (1990) Pharmacological evidence for the involvement of the cAMP cascade in sensory fatigue. *J Comp Physiol A* 167, 437-440.
103. Orgad S, Brewis ND, Alphey L, Axton JM, Dudai Y, Cohen PTW (1990) The structure of protein phosphatase 2A is as highly conserved as that of protein phosphatase 1. *FEBS Let* 275: 44-48.
104. Corfas G, Dudai Y (1991) Memory mutations and age affect the fine structure of an identified sensory neuron in *Drosophila*. *Proc Natl Acad Sci USA* 88, 7252-7256.
105. Dudai Y, Sharon N (1991) Biochemistry in a small country: The Israeli dilemma. *Trends Biochem Sci* 16(7), 251-252.
106. Dudai Y (1992) Why should 'learning' and 'memory' be redefined, (or, an agenda for focused reductionism). *Concepts Neuroscience* 3, 99-121.
107. Yovell Y, Kandel ER, Dudai Y, Abrams TW (1992) A quantitative study of the Ca^{2+}/calmodulin sensitivity of adenylyl cyclase in *Aplysia*, *Drosophila*, and rat. *J Neurochem* 59, 1736-1744.
108. Rosenblum K, Meiri N, Dudai Y (1993) Taste memory: the role of protein synthesis in gustatory cortex. *Behav Neural Biol* 59, 49-56.
109. Dudai Y (1993) Molecular devices of learning: Types and tokens. In: Memory Concepts, Basic and Clinical Aspects. Novo Nordisk Foundation Symp. 7 (Andersen P, Hvalby O, Paulsen O, Hokfelt B, eds), Elsevier, Amsterdam, pp. 65-76.
110. Dudai Y (1994) On the relevance of *in vitro* observations to *in vivo* memory. In: *Cellular and Molecular Mechanisms Underlying Higher Neural Functions* (Selverston AI, Acsher P, eds) Wiley, Chichester, pp. 71-79.
111. Barnes CA (rapporteur), Barnay A, Bindman L, Dudai Y, Fregnac Y, Ito M, Knopfel T, Lisberger SG, Moulins M, Morris RGM, Movshon JA, Singer W, Squire LR (1994) Relating activity-dependent modifications of neuronal function to changes in neural systems and behavior. In: *Cellular and Molecular Mechanisms Underlying Higher Neural Functions* (Selverston AI, Ascher P, eds) Wiley, Chichester, pp. 81-110.
112. Dudai Y (1994) Molecular devices in neuronal learning machines (or, the syntactic approach to biological learning). In: *The Memory System of the Brain* (Delacour J, ed). World Scientific, Singapore, pp. 319-336.
113. Meiri N, Masos T, Rosenblum K, Miskin T, Dudai Y (1994) Overexpression of urokinase-type plasminogen activator in transgenic mice impairs learning. *Proc Natl Acad Sci USA* 91, 3196-3200.
114. Rosenblum K, Schul R, Meiri N, Hadari Y, Zick Y, Dudai Y (1995) Modulation of protein tyrosine phosphorylation in rat insular cortex following conditioned taste aversion training. *Proc Natl Acad Sci USA* 92, 1157-1161.
115. Lamprecht R, Dudai Y (1995) Differential modulation of brain immediate early genes by intraperitoneal LiCl. *NeuroReport* 7,89-293.
116. Dudai Y (1995) Second messenger cascades: Cellular information storage devices, their cross-talk, and their relevance to behavior. In: *Flexibility and Constraint in Behavioral Systems*. Dahlem Conference (Greenspan R, Kyriacou B), Wiley, Chichester, pp. 81-90.
117. Bottjer S (rapporteur), Birnbaum L, Braun K, Cline H, Dudai Y, Hammer M, Fernald RD, Kelley D, Mello C, Reymann K, Scheich H, Vincent J-D (1995) To what extent does experience reorganize the brain and behavior. In: *Flexibility and constraint in behavioral systems*. Dahlem Conference (Greenspan R, Kyriacou B, eds), Wiley, Chichester, pp. 133-145.

118. Dudai Y (1995) Neurogenetics of learning and memory in *Drosophila*. In: *Encyclopedia of Learning and Memory* (Squire L, ed.), MacMillan, NY.
119. Dudai Y, Rosenblum K, Meiri N, Miskin R, Schul R (1995) Correlates of taste- and taste-aversion learning in murine brain. In: *Plasticity in the central nervous system: Learning and memory* (McGaugh J.L., ed.), LEA, NJ, pp. 161-169.
120. Dudai Y (1995) On the relevance of LTP to learning and memory. In: *Brain and Memory* (J.L. McGaugh JL,, Weinberger NM, Lynch G, eds.), Oxford University Press, NY, pp 319-327.
121. Naor C, Dudai Y (1996) Transient impairment of cholinergic function in the rat insular cortex disrupts the encoding of taste in conditioned taste aversion. *Behav Brain Res* 79, 61-67.
122. Schul R, Slotnick BM, Dudai Y (1996) Flavor and the frontal cortex. *Behav Neurosci* 110, 760-765.
123. Rosenblum K, Dudai Y, Richter-Levin G (1996) Long-term potentiation increases tyrosine phosphorylation of the *N*-methyl-D-aspartate receptor subunit 2B in the rat dentate gyrus *in vivo*. *Proc Natl Acad Sci USA* 93, 10457-10460.
124. Lamprecht R, Dudai Y (1996) Transient expression of c-Fos in rat amygdala during training is required for encoding conditioned taste aversion memory. *Learning & Memory* 3, 31-41.
125. Rosenblum K, Hazvi S, Berman DE, Dudai Y (1996) Carbachol mimics the effects of sensory input on tyrosine phosphorylation in cortex. *NeuroReport* 7, 1401-1404.
126. Dudai Y (1996) Consolidation: Fragility on the road to the engram. *Neuron* 16, 367-370.
127. Dudai Y (1997) Time to Remember. *Neuron* 18, 179-182.
128. Rosenblum K, Berman DE, Hazvi S, Lamprecht R, Dudai Y (1997) NMDA receptor and the tyrosine phosphorylation of its 2B subunit in taste learning in the rat insular cortex. *J Neurosci* 17, 5129-5135.
129. Dudai Y (1997) How big is human memory, or, on being just useful enough. *Learning & Memory* 3, 341-365.
130. Lamprecht R, Hazvi S, Dudai Y (1997) cAMP response element-binding protein in the amygdala is required for long- but not short-term conditioned taste aversion memory. *J Neurosci* 17, 8443-8450.
131. Berman DE, Hazvi S, Rosenblum K, Seger R, Dudai Y (1998) Specific and differential activation of mitogen-activated protein kinase cascades by unfamiliar taste in the insular cortex of the behaving rat. *J Neurosci* 18, 10037-10044.
132. Dudai Y (1999) Lord of the Flies. *Nature* 398, 773-774.
133. Dudai Y (1999) The Smell of Representations. *Neuron* 23, 633-635.
134. Dudai Y (2000) The shaky trace. *Nature* 406, 686-687.
135. Dudai Y (2000) Metamorphosis of a brain. *Nature* 408, 30-31.
136. Lamprecht R, Dudai Y (2000) The amygdala in conditioned taste aversion: It's there, but where. In: *The Amygdala* (Aggleton J, ed.), Oxford University Press, Oxford, pp. 331-351.
137. Dudai Y, Morris RGM (2000) To consolidate or not to consolidate: What are the questions? In: *Brain, Perception, Memory. Advances in Cognitive Sciences* (Bolhuis JJ, ed.), Oxford University Press, Oxford, pp. 149-162.
138. Berman, D.E., Hazvi, S., Neduva, V. and Dudai, Y. (2000) The role of identified neurotransmitter systems in the response of insular cortex to unfamiliar taste: activation of ERK1-2 and formation of a memory trace. *J Neurosc*i 20, 7017-7023.
139. Berman, D.E. and Dudai, Y. (2001) Memory extinction, learning anew, and learning the new: dissociations in the molecular machinery of learning in cortex. *Science* 291, 2417-2419.
140. Dudai Y (2002) Molecular bases of long-term memory. *Curr Opin Neurobiol* 12, 211-216.
141. Dudai Y (2002) *Memory, from A to Z. Keywords, Concepts, and Beyond*. 332 pp., Oxford University Press, Oxford.
142. Berman DE, Hazvi S, Stehberg J, Bahar A, Dudai Y (2003) Conflicting processes in the extinction of conditioned taste aversion: Behavioral and molecular aspects of latency, apparent stagnation, and spontaneous recovery. *Learning & Memory* 10, 16-25.
143. Bahar A, Samuel A, Hazvi S, and Dudai Y (2003) The amygdalar circuit that acquires taste aversion memory differs from the circuit that extinguishes it. *Eur J Neurosci* 17, 1527-1530.
144. Desmedt A, Hazvi S and Dudai Y (2003) Differential pattern of CREB activation in the rat brain after conditioned aversion as a function of the cognitive process engaged: Taste vs. context association. *J Neurosci* 23, 6102-6110

145. Ofen-Noy N, Dudai Y, Karni A (2003) Skill learning in mirror reading: How repetition determines acquisition. *Cogn Brain Res* 17, 507-521
146. Eisenberg M, Kobilo T, Berman DE, Dudai Y (2003) Stability of retrieved memory: inverse correlation with trace dominance. *Science* 301, 1102-1104.
147. Dudai Y (2003) Fear thou not. *Nature* 421, 325-327.
148. Dudai Y (2003) Caught in the act. *Nature* 424, 377-378.
149. Dudai Y (2004) True neuroscience. *Nature Neurosci* 12, 1283.
150. Bahar A, Dorfman N, Dudai Y (2004) Amygdalar circuits required for either consolidation or extinction of taste aversion memory are not required for reconsolidation. *Eur J Neurosci* 19, 1115-1118.
151. Bahar A, Dudai Y, Ahissar E (2004) Neuronal signature of familiarity in the taste cortex of the behaving rat. *J Neurophysiol.* 92, 3298-3308.
152. Guitton MJ and Dudai Y (2004) Anxiety-like state associates with taste to produce conditioned taste aversion. *Biol Psychiat.* 56, 901-904.
153. Eisenberg M, Dudai Y (2004) Reconsolidation of fresh, remote, and extinguished fear memory in medaka: old fears don't die. *Eur J Neurosci* 20, 3397-403.
154. Dudai Y (2004) The neurobiology of consolidations, or, how stable is the engram. *Annu Rev Psychol* 55, 51-86.
155. Dudai Y (2004) The neurosciences: The danger that we will think that we have understood it all. In: *The new brain sciences* (Reese D and Rose S, eds.), pp. 167-180. Cambridge University Press.
156. Berman DE, Dudai Y (2004) *MAPK cascades in the Brain: Lessons from Learning*. In: Methods in Molecular Biology (Seger M, ed.), pp. 315-321, Humana Press Inc, New Jersey.
157. Dudai Y, Eisenberg M (2004) Reconsolidation and the lingering consolidation hypothesis. *Neuron* 44, 93-100.
158. Dudai Y, Carruthers M (2005) The Janus face of Mnemosyne, *Nature* 434, 567.
159. Dudai Y (2005) Touching memories. *Nature* 434, 823-824.
160. Dudai Y (2006) A journey to remember. *Nature* 441, 157-158.
161. Morris RGM, Inglis JI, Ainge JA, Olverman HJ, Tulloch J, Dudai Y, Kelly PAT (2006) Differential sensitivity of consolidation, reconsolidation and extinction of spatial memory to the local inhibition of protein-synthesis in dorsal hippocampus. *Neuron* 50, 479-489.
162. Dudai Y (2006) Reconsolidation: the advantage of being refocused. *Curr Opin Neurobiol* 16, 174-178.
163. Dudai Y, Roediger RIII, Tulving E (2007) Memory concepts. In: Roediger et al., *Science of Memory: Concepts*, pp. 1-9, NY: Oxford University Press.
164. Dudai Y (2007) Transfer: Its transfer into neurobiology. In Roediger et al., *Science of Memory: Concepts*, pp. 255-259, NY: Oxford University Press.
165. Dudai Y (2007) Post-activation state: A critical rite of passage of memories. In: Bontempi B, Silva AJ, Christen Y (eds), *Memories: Molecules and Circuits, Research and Perspectives in Neurosciences*. Heidelberg: Springer.
166. Kobilo T, Hazvi S, Dudai Y (2007) Role of cortical cannabinoid CB1 receptor in conditioned taste aversion memory. *Eur J Neurosci* 25, 3417-3421.
167. Guitton MJ, Dudai Y (2007) Blockade of cohclear NMDA receptors prevents long-term tinnitus during a brief consolidation window after acoustic trauma. *Neural Plast,* 80904.
168. Furman O, Dorfman N, Hasson U, Davachi L, Dudai Y (2007) They saw a movie: Long-term memory for an extended audiovisual narrative. *Learning & Memory* 14, 457-467.
169. Shema R, Sacktor TC, Dudai Y (2007) Rapid erasure of long-term memory associations in cortex by an inhibitor of PKMz. *Science* 317, 951-953.
170. Roediger RLIII, Dudai Y, Fitzpatrick S (eds.) (2007) *Science of Memory: Concepts*. 446 pp. Oxford University Press, NY.
171. Hasson U, Furman O, Clark D, Dudai Y, Davachi L (2008) Enhanced inter-subject correlations during movie-viewing correlates with successful episodic encoding. *Neuron* 57, 452-462.
172. Haramati S, Soroker N, Dudai Y, Levy D (2008) The posterior parietal cortex in recognition memory: A neuropsychological study. *Neuropsychologia,* 46, 1756-1766.
173. Guitton MJ, Klin Y, Dudai Y (2008) Taste-dependent sociophobia: when food and company don't mix. *Behav Brain Res,* 191, 148-152.

174. Mendelsohn A, Chalamish Y, Solomonovich A, Dudai Y (2008) Mesmerizing memories: Brain substrates of episodic memory suppression in posthypnotic amnesia. *Neuron* 57, 159-170.
175. Yeshurun Y, Dudai Y, Sobel N (2008) Working memory across nostrils. *Behav Neurosci,* 122, 1031-1037.
176. Dudai Y (2008) Enslaving central executives: Toward a brain theory of cinema. *Projections* 2(2), 21-42.
177. Dudai Y (2008). Seymour Benzer (1921-2007). *Neuron* 57, 24-26.
178. Abi-Rached, A.M. and Dudai Y (2009) The Implications of memory research and 'memory erasers'. *BioSocieties* 4, 79–90.
179. Dudai Y (2009) Predicting not to predict too much: how the cellular machinery of memory anticipates the uncertain future. *Phil. Trans. R. Soc. B*. 364, 1255–1262.
180. Shema R, Hazvi S, Sacktor TC, Dudai Y (2009) Boundary conditions for the maintenance of memory by PKM□ in neocortex. *Learning & Memory* 16, 122-128.
181. Mendelsohn A, Furman O, Navon I, Dudai Y (2009) Subjective vs. documented reality: A case study of long-term real-life autobiographical memory. *Learning & Memory* 16, 142-146.
182. Yeshurun Y, Lapid H, Dudai Y, Sobel N (2009) The privileged brain representation of first olfactory associations. *Curr Biol* 19, 1869-1874.
183. Mendelsohn A, Furman O, Dudai Y (2010) Signatures of memory: brain coactivations during retrieval distinguish correct from incorrect recollection. *Frontiers Behav Neuroscience* 4, 18, 1-12.
184. Dudai Y (2010) The engram revisited: on the elusive permanence of memory. In; The Memory Process: Neuroscientific and Humanistic Perspectives. Eds S. Nalbantian, P. Matthews, J.L. McClelland, MIT Press.
185. Nili U, Goldberg H, Weizmann A, Dudai Y (2010) Fear thou not: Brain mechanisms of human real-life courage. *Neuron* 66, 2429-962.
186. Ludmer R, Dudai Y, Rubin N (2011) Uncovering Camouflage: Amygdala Activation Predicts Long-Term Memory of Induced Perceptual Insight. *Neuron* 69, 1002-1014.
187. Shema R, Haramati S, Ron S, Hazvi S, Chen A, Sacktor TC, Dudai Y (2011) Enhancement of consolidated long-term memory by overexpression of protein kinase M□□in the neocortex. *Science* 331, 1207-1210.
188. Ben-Yakov A, Dudai Y (2011) Constructing realistic engrams: Post-stimulus activity of hippocampus and dorsal striatum predicts subsequent episodic memory. *J Neurosci* 31, 9032-9042.
189. Edleson M, Sharot T, Dolan RJ, Dudai Y (2011). Following the crowd: Brain substrates of long-term memory conformity. *Science* 333, 108-111.
190. Ron S, Dudai Y, Segal M (2011). Overexpression of PKM□ alters morphology and function of dendritic spines in cultured cortical neurons. *Cereb Cortex* 22, 2519-2528.
191. Furman O, Mendelsohn A, Dudai Y (2012). The episodic engram transformed: Time reduces retrieval-related brain activity but correlates it with memory accuracy. *Learning & Memory* 19, 575-587.
192. Dudai Y (2012). The cinema-cognition dialogue: a match made in brain. *Front Human Neurosci* 6, 248. doi:10.3389/fnhum.2012.00248.
193. Dudai Y (2012). The endless engram: Consolidations never end. *Annu. Rev. Neurosci.* 35, 227-247.
194. Ben-Yakov A, Eshel N, Dudai Y (2013). Hippocampal immediate post-stimulus activity in the encoding of consecutive naturalistic episodes. *J. Exp. Psychol:G,* 142, 1255-1263 (special issue on new frontiers in hippocampal research).
195. Dudai Y, Morris RGM (2013). Memorable trends. *Neuron*, 80, 742-750.
196. Dudai Y. (2013). Q&A. *Current Biology* 23, R1078-R1080.
197. Kandel, ER, Dudai Y, Mayford MR (2014). The molecular and systems biology of memory. *Cell* 157, 163-186.
198. Edelson MG, Dudai Y, Dolan RJ, Sharot T (2014) Brain Substrates of Recovery from Misleading Influence. *J Neurosci* 34, 7744-7753.
199. Pine A, Mendelsohn A, Dudai Y (2014). Unconscious learning of likes and dislikes is persistent, resilient, and reconsolidates. *Front Psychol* 5, 1051, doi: 10.3389/fpsyg.2014.01051
200. Ben-Yakov A, Rubinson M, Dudai Y (2014). Shifting gears in hippocampus: Temporal dissociation between familiarity and novelty signatures in a single event. *J Neurosci 34, 12973-12981.*
201. Dudai Y, Evers K (2014). To simulate or not to simulate: What are the questions? *Neuron* 84, 254-261.
202. Ludmer R, Edleson MG, Dudai Y (2014). The naïve and the distrustful: State-dependency of hippocampal computations in manipulative memory distortions. *Hippocampus* 25, 240-252.

203. Edelson M, Shemesh M, Weizman A, Yariv S, Sharot T, Dudai Y (2015). Opposing effects of oxytocin on overt compliance and lasting changes in memory. *Neuropsychopharmaol* 40, 966-73.
204. Cohen N, Pell L, Edelson M, Ben-Yakov A, Pine A, Dudai Y (2015). Peri-encoding predictors of memory encoding and consolidation. *Neurosci Biobehav Rev* 50, 128-142.
205. Yacoby A, Dudai Y, Mendelsohn A (2015). Metamemory ratings predict long-term changes in reactivated episodic memories. *Front Behav Neurosci* 9, 20 doi:10.3389/fncbeh.2015.00020.
206. Deheane S, Dudai Y, Konen C (2015). Cognitive architectures (editorial). *Neuron* 88, 1.
207. Dudai Y, Karni A, Born J (2015). The consolidation and transformation of memory. *Neuron* 88, 20-32.
208. Sadeh N, Verbitsky S, Dudai Y, Segal M (2015). Zeta inhibitory peptide, a candidate inhibitor of protein kinase Mzeta, is excitotoxic to cultured hippocampal neurons. *J Neurosci* 35, 12404-12411.
209. Ben-Yakov A, Dudai Y, Mayford MR (2015). Memory retrieval in mice and men. In: Kandel ER, Dudai Y, Mayford MR (eds.) (2015). *Learning and Memory. A Cold Spring Harbor Perspectives in Biology Collection*. NY:Cold Spring Harbor Press.
210. Kandel ER, Dudai Y, Mayford MR (eds.) (2015). *Learning and Memory. A Cold Spring Harbor Perspectives in Biology Collection*. NY:Cold Spring Harbor Press.
211. Dudai Y, Edelson M (2016). Personal memory: Is it personal, is it memory? *Memory Studies* 9(3), 275-283.
212. Dudai Y (2016). In: *History of Neuroscience in Autobiography*, Vol. 9. (Squire LR. Albright T, eds.), pp. 34-67. Washington: Society for Neuroscience.
213. Gold A, Dudai Y (2016). Simulation of mental disorders. I. Concepts, challenges, and animal models. *Isr J Psychiat* 53, 64-72.
214. Gold A, Dudai Y (2016). Simulation of mental disorders. II. Computer models, purposes and future directions. *Isr J Psychiat* 53, 73-81.
215. Schinder AF, Bonhoeffer T, Sperling R, Dudai Y, Marin O, Morris R, Mrsic-Flogel T (2016). Organizing brain science on an international scale. *Neuron* 92, 567-569.
216. Pine A, Sadeh N, Ben-Yakov A, Dudai Y, Mendelsohn A (2018). Knowledge acquisition is governed by striatal prediction errors. *Nature Communication* 9: 10.1038/s41467-018-03992-5.
217. Cohen N, Ben-Yakov A, Weber J, Edelson MG, Paz R, Dudai Y (2019). Prestimulus Activity in the Cingulo-Opercular Network Predicts Memory for Naturalistic Episodic Experience. *Cerebral Cortex (in press)*.