

Ninette Amariglio

Curriculum Vitae

Personal

Born: May 5, 1952 in Athens Greece
Citizenship: Greek/ Israeli

Academic Background:

1970-1973 B. Sc. studies: School of Biological Sciences,
University of Sussex, Brighton, England

1977-1979 M.Sc. studies (interrupted): Dept. of Biochemistry,
Hadassah Medical School, Hebrew University, Jerusalem

1986-1987 M.Sc. studies: Dept. of Chemical Pathology
Sackler School of Medicine, Tel Aviv University

1988-1995 Ph.D. studies: Sackler School of Medicine
Tel Aviv University
Thesis: New mechanisms leading to the development of malignancy.
Supervisors: Prof. G. Rechavi and Prof. B. Ramot

2013 Associate Professor Bar Ilan University

Present Employment:

1997 Head of the Molecular Biology Laboratory - Institute of
Hematology, Sheba Medical Center Tel Hashomer

2000 Deputy Head of the Laboratory Hematology - Institute of
Hematology, Sheba Medical Center Tel Hashomer

2004 Head of the Laboratory of Hematology- Institute of
Hematology, Sheba Medical Center Tel Hashomer

2005 Head of the Cancer Research Center Laboratories.
Sheba Medical Center

Languages:

Greek, English, French, Hebrew – mother tongue level

Prizes

2001 Rubin prize for excellence in research - Sheba Medical Center

List of publications

1. Tsitoura, S., Amariglio, N, Lapatsanis, P., Pantelakis, S., and Doxiadis, S.
(1978) Serum-25 hydroxyvitamin D levels in thalassaemia.
Arch. Dis. Child. 53,347-348.
2. Meyer MS, Amariglio N, Alon R, Edelstein S, Shibolet S.
(1984) Fecal loss of cholecalciferol in gastrectomized rats.
Digestion. 1984;30(4):200-3.
3. Weisman Y, Schen RJ, Eisenberg Z, Amariglio N, Graff E, Edelstein-Singer M, Goldray D, Harell A
(1986) single oral high-dose vitamin D3 prophylaxis in the elderly.
J Am Geriatr Soc 34(7): 515-518
4. Hakim I, Amariglio N, Brok-Simoni F, Rechavi G, and Ramot B.
(1991). Detection of minimal residual disease in childhood leukemia with the polymerase chain reaction.
New Engl. J. Med. 324: 772-774.
5. Toren, A., Mandel, M., Amariglio, N., Hakim, I., Brok- Simoni, F., Rechavi, G., Ramot, B.
(1991) Lack of BCR rearrangement in juvenile chronic myeloid leukemia.
Med. Ped. Oncol. 19:493-5.
6. Amariglio N, Hakim I, Brok-Simoni F, Grossman Z, Katzir N, Harmelin A, Ramot B, Rechavi G.
(1991) Identity of rearranged LINE/C-MYC junction sequences specific for the canine transmissible venereal tumor.
Proc. Natl. Acad. Sci. USA 88: 8136- 8139.
7. Amariglio N, Rechavi G.
(1993) Insertional Mutagenesis by Transposable Elements in the Mammalian genome
Environmental and Molecular Mutagenesis 21 (3): 212-218
8. Hakim I, Rechavi G, Brok-Simoni F, Grossman Z, Amariglio N, Mandel M, Ramot B, Ben-Bassat I, Katzir N
(1993): Analysis of rearranged immunoglobulin genes indicating a process of clonal evolution in chronic lymphocytic leukemia.
Brit J Haematol. , 84, 436-442
9. Hakim I, Amariglio N, Brok-Simoni F, Grossman Z, Ramot B, BenBassat I, RechaviG
(1994): Biased representation of immunoglobulin heavy chain variable region subgroups in chronic lymphocytic leukemia.
Isr J Med Sci 30:7-9.
10. Amariglio N, Vonsover A, Hakim I, Neumann Y, Mandel M, Mark Z, Brok-Simoni F, Ben-Bassat I, Rechavi G.
(1994): Immunoglobulin V_H3 positive AIDS-related Burkitt's lymphoma: a possible role for the HIV gp120 superantigen.
Acta Hematologica 91:103-105
11. Hakim I, Amariglio N, Brok-Simoni F, Grossman Z, Ohno S, Rechavi G
(1994): The genome of the THE 1 repetitive elements is composed of a basic motif homologous to an ancestral immunoglobulin gene sequence.
Proc. Natl. Acad. Sci. USA 91, 7967-9
12. Amariglio N, Rechavi G
(1994) Microsatellite sequences: from genetic linkage to cancer research.
Harefuah 127; 345-348
13. Mandel M, Toren A, Amariglio N, Brok-Simoni F, Berkowicz M, Rosner E, Neumann Y, Rechavi G
(1994) Translocation (3;21) in Ph+ CML blast crisis in a boy with severe skeletal changes.
Acta Oncologica 1994; 33(2):205-6
14. Mor O, Hakim I, Stiebel H, Amariglio N, Grossman Z, Brok-Simoni F, Nass D, Cohen A, Mandel M, Rechavi G

- (1994) Application of DGGE and SSCP to the analysis of point mutations in the p53 tumor suppressor gene.
Mol Biol (Life Sci Adv) 13:53-61
15. Berkowicz M, Toren A, Rosner E, Mandel M, Vonsover A, Biniaminov M, Amariglio N, Mark Z, Kenet G, Neumann Y, et al
 (1994) Lymphomatous T-cell leukemia in two Arab children. Is there a role for an environmental effect
Leukemia 8 (11): 1995-8
 16. Hakim I, Amariglio N, Brok-Simoni F, Grossman Z, Mor O, Berkowitz M, Rosner E, Kneller A, Hulu N, Ramot B, Ben-Bassat I, Silverman GJ, Rechavi G.
 (1995) Preferred usage of specific immunoglobulin gene segments in chronic lymphocytic leukemia (CLL) cells of three HLA identical sisters.
Brit J Haematol 91, 915-7.
 17. Mark Z, Toren A, Amariglio N, Vonsover A, Rechavi G, Brok-Simoni F
 (1995) Rearrangement of the immunoglobulin heavy chain genes in juvenile CML.
British Journal of Haematology 90: 353-357
 18. Amariglio N, Friedman E, Mor O, Stiebel H, Phelan C, Collins P, Nordenskjold M, Brok-Simoni F, Rechavi G.
 (1995) Analysis of microsatellite repeats in pediatric brain tumors.
Cancer genetics and cytogenetics. 84 (1): 56-59.
 19. Rechavi G, Amariglio N.
 (1996) A role for superantigens in lymphoproliferation.
Leukemia and Lymphoma 22, 237-243
 20. Toren A, Neumann Y, Rosner E, Schiby G, Paret G, Biniaminov M, Amariglio N, Mark Z et al
 (1996) Pediatric small cell variant of Ki-1 (Cd30) + T-cell lymphoma with germ line configuration of the T cell receptor.
Acta Oncologica 35(2) 243-245
 21. Berkowicz M, Toren A, Rosner E, Biniaminov M, Rosenthal E, Gipsh N, Berman S, Hardan I, Mandel M, Amariglio N, et al
 (1995) Translocation (2;14) (p13;q32) in CD10+, CD13+ acute lymphatic leukemia.
Cancer Genetics and Cytogenetics 83 (2) 140-143
 22. Toren A, Amariglio N, Rechavi G.
 (1996) Curable and non-curable malignancies: lessons from pediatric cancer.
Med Oncol 13 (1) 15-21
 23. Kaplinsky C, Toren A, Neumann Y, Mandel M, Kenet G, Sharon N, Rechavi G, Biniaminov M, Rubanov V, Rosenthal E, Rosner E, Mark Z, Amariglio N, Brok-Simoni F
 (1997) Central nervous system involvement at diagnosis in a case of pediatric CD30+ anaplastic large cell lymphoma.
Med Ped Oncol 28(2) 132-135
 24. Mark Z, Toren A, Amariglio N, Schiby G, Brok-Simoni F, Rechavi G
 (1998) Instability of Dinucleotide Repeats in Hodgkin's Disease.
American Journal of Hematology 57 (2):148-152
 25. Trakhtenbrot L, Cohen N, Rosner E, Gipsh N, Brok-Simoni N, Mandel M, Amariglio N, Rechavi G
 (1999) Coexistence of several unbalanced translocations in a case of neuroblastoma: the contribution of multicolor spectral karyotyping.
Cancer Genetics and Cytogenetics. 112: 119-123
 26. Toren A, Nagler A, Amariglio N, Neumann Y, Golan H, Bilori B, Kaplinsky C, Mandel M, Biniaminov M, Levanon M, Rosenthal E, Davidson J, Brok-Simoni F, Rechavi G
 (1999) Successful human umbilical cord blood stem cell transplantation without conditioning in

- severe combined immune deficiency.
Bone Marrow Transplantation 23, 405-
27. Barzilai A, Shpiro D, Goldberg I, Yacob-Hirsch, Diaz-Cascajo C, Meytes D, Schiby R, Amariglio N, Trau H.
 (1999) Insect bite-like reaction in patients with hematologic malignant neoplasms.
Arch Dermatol. Dec;135(12):1503-7.
 28. Toren A, Amariglio N, Rozenfeld-Granot G, Simon AJ, Brok-Simoni F, Pras E, Rechavi G.
 (1999) Genetic Linkage of Autosomal-Dominant Alport Syndrome with Leukocyte Inclusions and Macrothrombocytopenia (Fechtner Syndrome) to Chromosome 22q11-13.
Am J Hum Genet. Dec;65(6):1711-1717.
 29. Kuint J, Bielorai B, Gilat D, Birenbaum E, Amariglio N, Rechavi G.
 (1999) C-kit activating mutation in a neonate with in-utero presentation of systemic mastocytosis associated with myeloproliferative disorder.
Br J Haematol. Sep;106(3):838-9.
 30. Rienstein S, Aviram A, Danieli M, Amariglio N, Simoni F, Goldman B, Barkai G, Rechavi G, Constantini S.
 (2000) Identification of Gains and Losses of DNA Sequences in Childhood Brain Tumors by Comparative Genomic Hybridization.
Cancer Genetics and Cytogenetics , Aug; 121(1): 67-72
 31. Kannan. K, Amariglio N, Rechavi G, Givol D
 (2000) Profile of gene expression regulated by induced p53: connection to the TGF-beta family.
FEBS Lett. Mar 17;470(1):77-82.
 32. Esa A, Edelmann P, Kreth G, Trakhtenbrot L, Amariglio N, Rechavi G, Hausmann M, Cremer M
 (2000) Three dimensional spectral precision distance microscopy of chromatin nanostructures after triple-colour DNA labelling: a study of the BCR region on chromosome 22 and the Philadelphia chromosome.
Journal of Microscopy 199, 1, 1-11.
 33. Meidan VM, Cohen JS, Amariglio N, Hirsch-Lerner D, Barenholz Y.
 (2000) Interaction of oligonucleotides with cationic lipids: the relationship between electrostatics, hydration and state of aggregation (1).
Biochim Biophys Acta. Apr 5;1464(2):251-61.
 34. Cohen N, Novikov I, Hardan I, Esa A, Brok-Simoni F, Amariglio N, Rechavi G, Ben-Bassat I and Trakhtenbrot L.
 (2000) Standardization criteria for the detection of BCR/ABL fusion in interphase nuclei of CML patients by FISH technique.
Cancer Genet Cytogenet. Dec;123(2):102-8.
 35. Toren A, Rozenfeld-Granot G, Rocca B, Epstein CJ, Amariglio N, Laghi F, Landolfi R, Brok-Simoni F, Carlsson LE, Rechavi G, Greinacher A.
 (2000) Autosomal-dominant giant platelet syndromes: a hint of the same genetic defect as in Fechtner syndrome owing to a similar genetic linkage to chromosome 22q11-13.
Blood. Nov 15;96(10):3447-51.
 36. Weintraub M, Kaplinsky C, Amariglio N, Rosner E, Brok-Simoni F, Rechavi G.
 (2000). Spontaneous regression of congenital leukaemia with an 8;16 translocation.
Br J Haematol. Nov;111(2):641-3.
 37. Bielorai B, Toren A, Wolach B, Mandel M, Golan H, Neumann Y, Kaplinisky C, Weintraub M, Keller N, Amariglio N, Paswell J, Rechavi G.
 (2000) Successful treatment of invasive aspergillosis in chronic granulomatous disease by granulocyte transfusions followed by peripheral blood stem cell transplantation.
Bone Marrow Transplant. 2000 Nov;26(9):1025-8.

38. Rozenfeld-Granot G, Toren A, Amariglio N, Brok-Simoni F, Rechavi G.
(2001) Mutation analysis of the FAS and TNFR apoptotic cascade genes in hematological malignancies.
Exp Hematol Feb;29(2):228-233
39. Harmelin A, Pinthus JH, Katzir N, Kapon A, Volcani Y, Amariglio EN, Rechavi G.
(2001) Use of a murine xenograft model for canine transmissible venereal tumor.
Am J Vet Res 62(6), 907-11
40. Cohen N, Betts D, Trakhtenbrot L, Niggli F, Amariglio N, Brok-Simoni F, Rechavi G, Meitar D.
(2001) Detection of unidentified chromosome abnormalities in human neuroblastoma by spectral karyotyping (SKY)
Genes Chromosomes Cancer 31(3):201-8.
41. Kannan K, Amariglio N, Rechavi G, JacobHirsch J, Kela I, Kaminski N, Getz G, Domany E, Givol D.
(2001). DNA microarrays identification of primary and secondary target genes regulated by p53.
Oncogene 20, 2225-2234.
42. Kannan K, Kaminski N, Rechavi G, Jacob-Hirsch J, Amariglio N, Givol D.
(2001) DNA microarray analysis of genes involved in p53 mediated apoptosis: activation of Apaf-1
Oncogene 20, 3449-3455
43. Nili E, Cojocararu GS, Kalma Y, Ginsberg D, Copeland NG, Gilbert DJ, Jenkins NA, Berger R, Shaklai S, Amariglio N, Brok-Simoni F, Simon AJ, Rechavi G.
(2001) Nuclear membrane protein LAP2beta mediates transcriptional repression alone and together with its binding partner GCL (germ-cell-less).
J Cell Sci Sep 15;114(Pt 18):3297-3307
44. Cohen N, Rozenfeld-Granot G, Hardan I, BrokSimoni F, Amariglio N, Rechavi G, Trakhtenbrot L.
(2001) Subgroup of patients with Philadelphia-positive chronic myelogenous leukemia characterized by a deletion of 9q proximal to ABL gene: expression profiling, resistance to interferon therapy, and poor prognosis.
Cancer Genet Cytogenet. Jul 15;128(2):114-9
45. Bank I, Amariglio N, Reshef A, Hardan I, Confino Y, Trau H, Shtrasburg S, Langevitz P, Monselise Y, Shalit M, Rechavi G
(2001) The hypereosinophilic syndrome associated with CD4+ CD3- helper type 2 (Th2) lymphocytes
Leukemia and Lymphoma 42(1-2): 123-33
46. Nili E, Cojocararu G, Collin G, Nishina PM, Brok-Simoni F, Amariglio N, Simon A, Rechavi G.
(2001) The human germ-cell-less (HGCL): a candidate gene for Alstrom Syndrome.
J Endocrinol Genet 2, 29-3
47. Meidan VM, Glezer J, Amariglio N, Cohen JS, Barenholz Y.
(2001) Oligonucleotide lipoplexes: the influence of oligonucleotide composition on complexation.
Biochim Biophys Acta. Dec 19;1568(3):177-82.
48. Kaplinski C, Rozenfeld G, Wolach B, Sofer O, Hendelberg D, Wagner I, Rechavi G, Amariglio N
(2001) A point mutation in the cytoplasmic domain of the granulocyte colony-stimulating receptor (G-CSFR) in a patient with Myelokathexis
International Journal of Pediatric Hematology/Oncology 7(5-6),317
49. Dekel B, Amariglio N, Kaminski N, Schwartz A, Goshen E, Arditti FD, Tsarfaty I, Passwell JH, Reisner Y, Rechavi G.
(2002) Engraftment And Differentiation Of Human Metanephroi Into Functional Mature Nephrons After Transplantation Into Mice Is Accompanied By A Profile Of Gene Expression Similar To Normal Human Kidney Development
Journal of the American Society of Nephrology Apr;13(4):977-90.

50. Erez A, Ilan T, Amariglio N, Muller I, Brok-Simoni F, Rechavi G, Izraeli S.
(2002) Gli3 is not commonly mutated in Sporadic medulloblastomas
Cancer 95(1): 28-31
51. Rozenfeld-Granot G, Toren A, Amariglio N, Nagler A, Rosenthal E, Biniaminov M, Brok-Simoni F, Rechavi G.
(2002) MAP Kinase Activation by Mu Opioid-Receptor in Cord Blood CD34+/38- Cells.
Exp Hematol 30(5) :473-480
52. Frenkel O, Shani E, Ben-Bassat I, Brok-Simoni F, Rozenfeld-Granot G, Kajakaro G, Rechavi G, Amariglio N, Shinar E, Danon D.
(2002) Activated macrophages for treating skin ulceration: gene expression in human monocytes after hypo-osmotic shock.
Clin Exp Immunol. Apr;128(1):59-66
53. Rozenfeld-Granot G, Krishnamurthy J, Kannan K, Toren A, Amariglio N, Givol D, Rechavi G.
(2002) A positive feedback mechanism in the transcriptional activation of Apaf-1 by p53 and the coactivator Zac-1
Oncogene 21, 1469-1476
54. Shimoni A, Nagler A, Kaplinsky C, Reichart M, Avigdor A, Hardan I, Yeshurun M, Daniely M, Zilberstein Y, Amariglio N, Brok-Simoni F, Rechavi G.
(2002)Chimerism testing and detection of minimal residual disease after allogeneic hematopoietic transplantation using the bioView (Duettrade mark) combined morphological and cytogenetical analysis.
Leukemia. Aug;16(8):1413-8
55. Fontemaggi G, Kela I, Amariglio N, Rechavi G, Krishnamurthy J, Strano S, Sacchi A, Givol D, Blandino G.
(2002)Identification of direct p73 target genes combining DNA microarray and chromatin immunoprecipitation analyses
J Biol Chem Nov 8;277(45):43359-43368
56. Trakhtenbrot L, Cohen N, Betts D, Niggli FK, Amariglio N, Brok-Simoni F, Rechavi G, Meitar D.
(2002) Interphase fluorescence in situ hybridization detection of chromosome 17 and 17q region gains in neuroblastoma. Are they secondary events?
Cancer Genet Cytogenet 2002 Sep;137(2):95
57. Bielora B, Golan H, Trakhtenbrot L, Reichart M, Toren A, Daniely M, Zilberstein Y, Amariglio N, Rechavi G, Kaplinsky C.
(2002)Combined analysis of morphology and fluorescence in situ hybridization in follow-up of minimal residual disease in a child with Philadelphia-positive acute lymphoblastic leukemia
Cancer Genet Cytogenet Oct 1;138(1):64-8
58. Cohen N, Trakhtenbrot L, Yukla M, Manor Y, Gaber E, Yosef G, Amariglio N, Rechavi G, Amiel A
(2002) SKY detection of chromosome rearrangements in two cases of tMDS with a complex karyotype
Cancer Genet Cytogenet 138 128-132
59. Cohen N, Amariglio N, Rechavi G, Trakhtenbrot L, Hardan I.
(2003)Simultaneous detection of deletions of 9q and 22q in a subgroup of chronic myelocytic leukemia Philadelphia-positive patients by a novel probe.
Cancer Genet Cytogenet 141(1):89-90
60. Rainis L, Bercovich D, Strehl S, Teigler-Schlegel A, Stark B, Trka J, Amariglio N, Biondi A, Muler I, Rechavi G, Kempfski H, Haas OA, Izraeli S.
(2003)Mutations in exon 2 of GATA1 are early events in megakaryocytic malignancies associated with trisomy 21.
Blood Aug 1;102(3):981-6.

61. Lotem J, Gal H, Kama R, Amariglio N, Rechavi G, Domany E, Sachs L, Givol D
(2003) Inhibition of p53-induced apoptosis without affecting expression of p53-regulated
Proc Natl Acad Sci U S A. 2003 May 27;100(11):6718-23. Epub 2003 May 12
62. Dazard J-E , Gal H, Amariglio N, Rechavi G, Domany E and Givol D
(2003) Genome-Wide Comparison of Human Keratinocyte and Squamous Cell Carcinoma
Responses to UVB Irradiation: Implications for Skin and Epithelial Cancer
Oncogene May 15;22(19):2993-3006
63. Kaplinsky C, Trakhtenbrot L, Hardan I, Reichart M, Daniely M, Toren A, Amariglio N, Rechavi
G, Izraeli S.
(2003) Tetraploid myeloid cells in donors of peripheral blood stem cells treated with rhG-CSF.
Bone Marrow Transplant. Jul;32(1):31-4.
64. Somech R, Amariglio N, Spierer Z, Rechavi G.
Genetic predisposition to infectious pathogens: a review of less familiar variants.
Pediatr Infect Dis J. 2003 May; 22(5):457-61.
65. Bielora B, Deeg HJ, Weintraub M, Neumann Y, Rosner E, Amariglio N, Rechavi G, Toren A
(2003) B-cell lymphoma developing in the donor 9 years after donor-origin acute myeloid
leukemia post bone marrow transplantation
Bone Marrow Transplant. 2003 May;31(10):931-4
66. Cohen N, Betts DR, Rechavi G, Amariglio N, Trakhtenbrot L.
(2003) Clonal expansion and not cell interconversion is the basis for the neuroblast and
nonneuronal types of the SK-N-SH neuroblastoma cell line
Cancer Genet Cytogenet. 2003 May;143(1):80-4.
67. Margalit O, Eisenbach L ,Amariglio N, Kaminski N, Harmelin A, Pfeffer R, Shohat M, Rechavi G,
Berger R
(2003) Overexpression of a set of genes, including WISP-1, common to pulmonary metastases of
both mouse D122 Lewis lung carcinoma and B16-F10.9 melanoma cell lines
British Journal of Cancer 89, 314 - 319
68. Kleiman SE, Yogev L, Gal-Yam EN, Hauser R, Gamzu R, Botchan A, Paz G, Yavetz H, Maymon
BB, Schreiber L, Barzilai S, Amariglio N, Rechavi G, Simon AJ.
(2003) Reduced Human Germ Cell-Less (HGCL) Expression in Azoospermic Men With Severe
Germinal Cell Impairment.
J Androl. Sep-Oct;24(5):670-675.
69. Toren A, Rozenfeld-Granot G, Heath KE, Amariglio N, et al
(2003) MYH9 spectrum of autosomal-dominant giant platelet syndromes: unexpected association
with fibulin-1 variant-D inactivation.
Am J Hematol. Dec;74(4):254-6
70. Adamsky K, Weizer O, Amariglio N, Breda L, Harmelin A, Rivella S, Rachmilewitz E, Rechavi G.
(2004) Decreased hepcidin mRNA expression in thalassemic mice.
British Journal of Haematology 124(1):123-124
71. Abramovitch R, Tavor E, Jacob-Hirsch J, Zeira E, Amariglio N, Pappo O, Rechavi G, Galun E,
Honigman A.
(2004)A Pivotal Role of Cyclic AMP-Responsive Element Binding Protein in Tumor Progression
Cancer Res Feb 15;64(4):1338-1346.
72. Hardan I, Rothman R, Gelibter A, Cohen N, Shimoni A, Sokolovsky M, Reichart M, Ishoev G,
Amariglio N, Rechavi G, Nagler A, Trakhtenbrot L.
(2004) Determination of chromosome 13 status in bone marrow cells of patients with multiple
myeloma using combined morphologic and fluorescence in situ hybridization analysis
Experimental Hematology March 1,32(3): 254-260
73. Tabori U, Mark Z, Amariglio N, Etzioni A, Golan H, Biloray B, Toren A, Rechavi G, Dalal I.
(2004) Detection of RAG mutations and prenatal diagnosis in families presenting with either T-B-

- severe combined immunodeficiency or Omenn's syndrome.
Clin Genet. Apr;65(4):322-6
74. Dekel B, Hochman E, Sanchez MJ, Maharshak N, Amariglio N, Green AR, Izraeli S.
 (2004) Kidney, blood, and endothelium: developmental expression of stem cell leukemia during nephrogenesis.
Kidney Int Apr;65(4):1162-9
75. Cohen N, Betts DR, Tavori U, Toren A, Ram T, Constantini S, Grotzer MA, Amariglio N, Rechavi G, Trakhtenbrot L.
 (2004) Karyotypic evolution pathways in medulloblastoma/primitive neuro-ectodermal tumor determined with a combination of spectral karyotyping, G-banding, and fluorescence in situ hybridization.
Cancer Genet Cytogenet. Feb;149(1):44-52
76. Erez A, Perel M, Hewitt SM, Cojocar G, Goldberg I, Shahar I, Yaron P, Muler I, Campaner S, Amariglio N, Rechavi G, Kirsch IR, Krupsky M, Kaminski N, Izraeli S.
 (2004) Sil overexpression in lung cancer characterizes tumors with increased mitotic activity.
Oncogene. Jul 8;23(31):5371-7.
77. Tal G, Mandelberg A, Dalal I, Cesar K, Somekh E, Tal A, Oron A, Itskovich S, Ballin A, Hourri S, Beigelman A, Lider O, Rechavi G, Amariglio N.
 (2004) Association between Common Toll-Like Receptor 4 Mutations and Severe Respiratory Syncytial Virus Disease
J Infect Dis Jun 1;189(11):2057-63. Epub 2004 May 12
78. Enk CD, Shahar I, Amariglio N, Rechavi G, Kaminski N, Hochberg M.
 (2004) Gene expression profiling of in vivo UVB-irradiated human epidermis.
Photodermatol Photoimmunol Photomed Jun;20(3):129-37.
79. Trakhtenbrot L, Rechavi G, Amariglio N.
 (2004) The multiparametric scanning system for evaluation of minimal residual disease in hematological malignancies.
Acta Haematol. 2004;112(1-2):24-9.
80. Bielora B, Trakhtenbrot L, Amariglio N, Rothman R, Tavori U, Dallal I, Golan H, Neumann Y, Reichart M, Kaplinsky C, Rechavi G, Toren A.
 (2004) Multilineage hematopoietic engraftment after allogeneic peripheral blood stem cell transplantation without conditioning in SCID patients.
Bone Marrow Transplant. 34: 317-20
81. Raanani P, Ben-Bassat I, Gan S, Trakhtenbrot L, Mark Z, Ashur-Fabian O, Itskovich S, Brok-Simoni F, Rechavi G, Amariglio N, Nagler A.
 (2004) Assessment of the response to imatinib in chronic myeloid leukemia patients – comparison between the FISH, multiplex and RT-PCR methods.
Eur J Haematol 73: 243-50.
82. Cohen Y, Amir G, Schibi G, Amariglio N, Polliack A.
 (2004) Rapidly progressive diffuse large B-cell lymphoma with initial clinical presentation mimicking seronegative Wegener's granulomatosis.
American J Hematol Aug; 73 (2):134-8.
83. Gur G, Rubin C, Katz M, Amit I, Citri A, Nilsson J, Amariglio N, Henriksson R, Rechavi G, Hedman H, Wides R, Yarden Y.
 (2004) LRIG1 restricts growth factor signaling by enhancing receptor ubiquitylation and degradation.
EMBO J. 23:3270-81
84. Ashur-Fabian O, Avivi A, Trakhtenbrot L, Adamsky K, Cohen M, Kajakaro G, Joel A, Amariglio N, Nevo E, Rechavi G.

- (2004) Evolution of p53 in hypoxia-stressed Spalax mimics human tumor mutation.
Proc Natl Acad Sci U S A. Aug 17;101(33):12236-41.
85. Grunblatt E, Mandel S, Jacob-Hirsch J, Zeligson S, Amariglio N, Rechavi G, Li J, Ravid R, Roggendorf W, Riederer P, Youdim MB.
(2004) Gene expression profiling of parkinsonian substantia nigra pars compacta; alterations in ubiquitin-proteasome, heat shock protein, iron and oxidative stress regulated proteins, cell adhesion/cellular matrix and vesicle trafficking genes.
J Neural Transm. Dec;111(12):1543-73. Epub 2004 Sep 30.
86. Golan-Mashiach M, Dazard JE, Gerecht-Nir S, Amariglio N, Fisher T, Jacob-Hirsch J, Bielorai B, Osenberg S, Barad O, Getz G, Toren A, Rechavi G, Itskovitz-Eldor J, Domany E, Givol D.
(2004) Design principle of gene expression used by human stem cells: implication for pluripotency
FASEB J. 2005 Jan;19(1):147-9.
87. Coscas D, Chowers M, Levite M, Amariglio N, Lang A, Barshack I, Bar-Meir S, Chowers Y.
(2004) Unique TCRDV1-Positive Lymphocytes that Infiltrate Colonic Neoplasia Originate From a Selected Cell Population Present in the Intestinal Mucosa and the Peripheral Blood.
Scand J Immunol. 2004 Nov; 60(5):529-34.
88. Koren-Michowitz M, Friedman E, Gershoni-Baruch R, Brok-Simoni F, Patael Y, Rechavi G, Amariglio N.
(2005) Coinheritance of BRCA1 and BRCA2 mutations with Fanconi anemia and Bloom syndrome mutations in Ashkenazi Jewish population: Possible role in risk modification for cancer development.
Am J Hematol. Mar; 78(3):203-6.
89. Gerecht-Nir S, Dazard JE, Golan-Mashiach M, Osenberg S, Botvinnik A, Amariglio N, Domany E, Rechavi G, Givol D, Itskovitz-Eldor J.
(2005) Vascular gene expression and phenotypic correlation during differentiation of human embryonic stem cells.
Dev Dyn. Feb;232(2):487-97.
90. Kario E, Marmor MD, Adamsky K, Citri A, Amit I, Amariglio N, Rechavi G, Yarden Y.
(2005) Suppressors of cytokine signaling 4 and 5 regulate epidermal growth factor receptor signaling.
J Biol Chem. 2005 Feb 25; 280(8):7038-7048. Epub 2004 Dec 7.
91. Shaklai S, Amariglio N, Rechavi G.
(2005) Microarray studies of prognostic stratification and transformation of follicular lymphomas.
Best Pract Res Clin Haematol. 2005 Mar;18(1):143-56
92. Avivi A, Ashur-Fabian O, Amariglio N, Nevo E, Rechavi G.
(2005) p53-A Key Player in Tumoral and Evolutionary Adaptation: A Lesson from the Israeli Blind Subterranean Mole Rat.
Cell Cycle. Mar 11;4(3)
93. Blum R, Jacob-Hirsch J, Amariglio N, Rechavi G, Kloog Y.
(2005) Ras inhibition in glioblastoma down-regulates hypoxia-inducible factor-1alpha, causing glycolysis shutdown and cell death.
Cancer Res. Feb 1;65(3):999-1006
94. Margalit O, Somech R, Amariglio N, Rechavi G.
(2005) Microarray-based gene expression profiling of hematologic malignancies: basic concepts and clinical applications.
Blood Rev Jul; 19(4):223-234. Epub 2004 Dec 8
95. Somech R, Shaklai S, Amariglio N, Rechavi G, Simon AJ.
(2005) Nuclear envelopathies--raising the nuclear veil.
Pediatr Res. May;57(5 Pt 2):8R-15R

96. Kneller A, Cohen N, Berkowicz M, Reichart M, Rosner E, Sokolovski M, Nagler A, Rechavi G, Amariglio N, Trakhtenbrot L.
(2005) Acquisition of a Ph chromosome with minor BCR/ABL fusion in treatment-related myelodysplastic syndrome with chromosome 7 abnormalities in a patient treated for Hodgkin disease.
Cancer Genet Cytogenet. May;159(1):58-62.
97. Teuffel O, Betts DR, Thali M, Eberle D, Meyer C, Schneider B, Marschalek R, Trakhtenbrot L, Amariglio N, Niggli FK, Schafer BW.
(2005) Clonal expansion of a new MLL rearrangement in the absence of leukemia.
Blood. May 15; 105(10):4151-2.
98. Dalal I, Tabori U, Bielora B, Golan H, Rosenthal E, Amariglio N, Rechavi G.
(2005) Toren A. Evolution of a T-B- SCID into an Omenn syndrome phenotype following parainfluenza 3 virus infection.
Clin Immunol. 2005 Apr;115(1):70-3
99. Raanani P, Trakhtenbrot L, Rechavi G, Rosenthal E, Avigdor A, Brok-Simoni F, Leiba M, Amariglio N, Nagler A, Ben-Bassat I.
(2005) Philadelphia-chromosome-positive T-lymphoblastic leukemia: acute leukemia or chronic myelogenous leukemia blastic crisis.
Acta Haematol.;113(3):181-9
100. Rothman R, Trakhtenbrot L, Bielora B, Izraeli S, Ishoev G, Amariglio N, Rechavi G, Toren A.
(2005) Co-existence of multiple subclones in TEL-AML1 at diagnosis of acute lymphoblastic leukaemia in association with submicroscopic deletion of AML1
British Journal of Haematology Volume 129 Issue 4 Page 491-8
101. Elkon R, Rashi-Elkeles S, Lerenthal Y, Linhart C, Tenne T, Amariglio N, Rechavi G, Shamir R, Shiloh Y
(2005) Dissection of a DNA-damage-induced transcriptional network using a combination of microarrays, RNA interference and computational promoter analysis
Genome Biology 6:R43 (doi:10.1186/gb-2005-6-5-r43)
102. Yaari S, Jacob-Hirsch J, Amariglio N, Haklai R, Rechavi G, Kloog Y.
(2005) Disruption of Cooperation Between Ras and MycN in Human Neuroblastoma Cells Promotes Growth Arrest.
Clin Cancer Res. 2005 Jun 15;11(12):4321-4330
103. Einav U, Tabach Y, Getz G, Yitzhaky A, Ozbek U, Amariglio N, Izraeli S, Rechavi G, Domany E.
(2005) Gene expression analysis reveals a strong signature of an interferon-induced pathway in childhood lymphoblastic leukemia as well as in breast and ovarian cancer
Oncogene 24(42):6367-75
104. Ophir G, Amariglio N, Jacob-Hirsch J, Elkon R, Rechavi G, Michaelson DM
(2005) Apolipoprotein E4 enhances brain inflammation by modulation of the NF-KB signaling cascade
Neurobiol Dis. 20(3):709-18
105. Eisenberg E, Adamsky K, Cohen L, Amariglio N, Hirshberg A, Rechavi G, Levanon EY
(2005) Identification of RNA editing sites in the SNP database.
Nucleic Acids Res Aug 12;33(14):4612-7
106. Toren A, Bielora B, Jacob-Hirsch J, Fisher T, Kreiser D, Moran O, Zeligson S, Givol D, Yitzhaky A, Itskovitz-Eldor J, Kventsel I, Rosenthal E, Amariglio N, Rechavi G
(2005) CD133-Positive Hematopoietic Stem Cell “Stemness” Genes Contain Many Genes Mutated or Abnormally Expressed in Leukemia
Stem Cells Sep;23(8):1142-53.
107. Ziv S, Brenner O, Amariglio N, Smorodinsky NI, Galron R, Carrion DV, Zhang W, Sharma GG, Pandita RK, Agarwal M, Elkon R, Katzin N, Bar-Am I, Pandita TK, Kucherlapati R,

- Rechavi G, Shiloh Y, Barzilai A.
(2005) Impaired genomic stability and increased oxidative stress exacerbate different features of A-T.
Hum Mol Genet. 14(19):2929-43
108. Mandel S, Grunblatt E, Riederer P, Amariglio N, Jacob-Hirsch J, Rechavi G, Youdim MB
(2005) Gene Expression Profiling of Sporadic Parkinson's Disease Substantia Nigra Pars Compacta Reveals Impairment of Ubiquitin-Proteasome Subunits, SKP1A, Aldehyde Dehydrogenase, and Chaperone HSC-70
Ann N Y Acad Sci. 2005 Aug;1053:356-75.
109. Margalit O, Amram H, Amariglio N, Simon AJ, Shaklai S, Granot G, Minsky N, Shimoni A, Harmelin A, Givol D, Shohat M, Oren M, Rechavi G.
(2005) BCL6 is regulated by p53 through a response element frequently disrupted in B-cell non-Hodgkin's lymphoma.
Blood. 15;107(4):1599-607
110. Kaufmann Y, Amariglio N, Rosenthal E, Hirsch YJ, Many A, Rechavi G
(2005) Proliferation Response of Leukemic Cells to CD70 Ligation Oscillates with Recurrent Remission and Relapse in a Low-Grade Lymphoma.
J Immunol. 2005 Nov 15;175(10):6940-7.
111. Somech R, Shaklai S, Geller O, Amariglio N, Simon AJ, Rechavi G, Gal-Yam EN.
(2005) The nuclear-envelope protein and transcriptional repressor LAP2beta interacts with HDAC3 at the nuclear periphery, and induces histone H4 deacetylation.
J Cell Sci. 2005 Sep 1;118(Pt 17):4017-25
112. Tabori U, Rienstein S, Dromi Y, Leider-Trejo L, Constantini S, Burstein Y, Dvir R, Amariglio N, Toren A, Rechavi G, Izraeli S, Aviram A
(2005) Epidermal growth factor receptor gene amplification and expression in disseminated pediatric low-grade gliomas.
J Neurosurg. 2005 Oct;103(4 Suppl):357-61.
113. Brodsky LI, Jacob-Hirsch J, Avivi A, Trakhtenbrot L, Zeligson S, Amariglio N, Paz A, Korol AB, Band M, Rechavi G, Nevo E
(2005) Evolutionary regulation of the blind subterranean mole rat, Spalax, revealed by genome-wide gene expression
PNAS November 22, 2005 vol. 102 no. 47 17047–17052
114. Schwarz-Finsterle J, Stein S, Grossmann C, Schmitt E, Schneider H, Trakhtenbrot L, Rechavi G, Amariglio N, Cremer C, Hausmann M
(2005) COMBO-FISH for focussed fluorescence labelling of gene domains: 3D-analysis of the genome architecture of abl and bcr in human blood cells.
Cell Biol Int. Nov 25;29(12):1038-1046
115. Rashi-Elkeles S, Elkon R, Weizman N, Linhart C, Amariglio N, Sternberg G, Rechavi G, Barzilai A, Shamir R, Shiloh Y.
(2005) Parallel induction of ATM-dependent pro- and antiapoptotic signals in response to ionizing radiation in murine lymphoid tissue
Oncogene. 25(10):1584-92
116. Rachmilewitz EA, Weizer-Stern O, Adamsky K, Amariglio N, Rechavi G, Breda L, Rivella S, Cabantchik ZI
(2005) Role of iron in inducing oxidative stress in thalassemia: can it be prevented by inhibition of absorption and by antioxidants?
Ann N Y Acad Sci. 2005 Nov;1054:118-23.
117. Breda L, Gardenghi S, Guy E, Rachmilewitz EA, Weizer-Stern O, Adamsky K, Amariglio N, Rechavi G, Giardina PJ, Grady RW, Rivella S.
(2005) Exploring the Role of Hcpidin, an Antimicrobial and Iron Regulatory Peptide, in Increased

- Iron Absorption in {beta}-Thalassemia.
Ann N Y Acad Sci. 2005 Nov;1054:417-22.
118. Enk CD, Jacob-Hirsch J, Gal H, Verbovetski I, Amariglio N, Mevorach D, Ingber A, Givol D, Rechavi G, Hochberg M
 (2006) The UVB-induced gene expression profile of human epidermis in vivo is different from that of cultured keratinocytes
Oncogene25(18):2601-14
119. Piestun D, Kochupurakkal BS, Jacob-Hirsch J, Zeligson S, Koudritsky M, Domany E, Amariglio N, Rechavi G, Givol D.
 (2006) Nanog transforms NIH3T3 cells and targets cell-type restricted genes
BBRC Biochem Biophys Res Commun. 343(1):279-85
120. Dror N, Alter-Koltunoff M, Azriel A, Amariglio N, Jacob-Hirsch J, Zeligson S, Morgenstern A, Tamura T, Hauser H, Rechavi G, Ozato K, Levi BZ
 (2007) Identification of IRF-8 and IRF-1 target genes in activated macrophages
Molecular Immunology 2007 Jan;44(4):338-46. Epub 2006 Apr 4.
121. Katzenellenbogen M, Pappo O, Barash H, Klopstock N, Mizrahi L, Olam D, Jacob-Hirsch J, Amariglio N, Rechavi G, Mitchell LA, Kohen R, Domany E, Galun E, Goldenberg D.
 (2006) Multiple adaptive mechanisms to chronic liver disease revealed at early stages of liver carcinogenesis in the *mdr2*-knockout mice.
Cancer Research 66, 4001-4010, April 15, 2006
122. Weizer-Stern O, Adamsky K, Amariglio N, Rachmilewitz E, Breda L, Rivella S, Rechavi G.
 (2006)mRNA Expression of Iron Regulatory Genes in β -Thalassemia Intermedia and β -Thalassemia Major Mouse Models
American Journal of Hematology 81:479–483
123. Weinberger M, Mahrshak I, Keller N, Goldscmied-Reuven A, Amariglio N, Kramer M, Tobar A, Samra Z, Pitlik SD, Rinaldi MG, Thompson E, Sutton D.
 (2006) Isolated endogenous endophthalmitis due to a sporodochial-forming *Phialemonium curvatum* acquired through intracavernous autoinjections
Med Mycol. 2006 May;44(3):253-9.
124. Dekel B, Metsuyanin S, Schmidt-Ott KM, Fridman E, Jacob-Hirsch J, Simon A, Pinthus J, Mor Y, Barasch J, Amariglio N, Reisner Y, Kaminski N, Rechavi G
 (2006) Multiple Imprinted and Stemness Genes Provide a Link between Normal and Tumor Progenitor Cells of the Developing Human Kidney
Cancer Res 2006; 66: (12) 6040-9
125. Weizer-Stern O, Adamsky K, Amariglio N, Levin C, Koren A, Breuer W, Rachmilewitz E, Breda L, Rivella S, Cabantchik ZI, Rechavi G.
 (2006) Downregulation of hepcidin and haemojuvelin expression in the hepatocyte cell-line HepG2 induced by thalassaemic sera
British Journal of Haematology Oct;135(1):129-38. Epub 2006 Aug 25.
126. Hochman E, Castiel A, Jacob-Hirsch J, Amariglio N, Izraeli S
 (2006) Molecular pathways regulating pro- migratory effects of hedgehog signaling.
J Biol Chem. Nov 10;281(45):33860-70. Epub 2006 Aug 30..
127. Hirshberg A, Amariglio N, Akrish S, Yahalom R, Rosenbaum H, Okon E, Kaplan I.
 (2006) Traumatic ulcerative granuloma with stromal eosinophilia: a reactive lesion of the oral mucosa.
Am J Clin Pathol. 2006 Oct;126(4):1-8.
128. Gal H, Amariglio N, Trakhtenbrot L, Jacob-Hirsh J, MargalitJ, J Avigdor A, Nagler A, Tavor S, Ein-Dor L, Lapidot T, E Domany, Rechavi G, Givol D.
 (2006) Gene expression profiles of AML derived stem cells; similarity to hematopoietic stem cells
Leukemia Dec;20(12):2147-54. Epub 2006 Oct 12.

129. Avivi A, Ashur-Fabian O, Joel A, Trakhtenbrot L, Adamsky K, Goldstein J, Amariglio N, Rechavi G, Nevo E
 (2007) P53 in blind subterranean mole rats – loss-of-function versus gain-of-function activities on newly cloned Spalax target genes
Oncogene Apr 12;26(17):2507-12. Epub 2006 Oct 16
130. Schwarz-Finsterle J, Stein S, Grobetamann C, Schmitt E, Trakhtenbrot L, Rechavi G, Amariglio N, Cremer C, Hausmann M.
 (2007) Comparison of triple helical COMBO-FISH and standard FISH by means of quantitative microscopic image analysis of abl/bcr positions in cell nuclei.
J Biochem Biophys Methods. Apr 10;70(3):397-406. Epub 2006 Sep 19
131. Stanchesu R, Betts DR, Yekutieli D, Ambros P, Cohen N, Rechavi G, Amariglio N, Trakhtenbrot L.
 (2007) SKY analysis of childhood neural tumors and cell lines demonstrates a susceptibility of aberrant chromosomes to further rearrangements.
Cancer Lett. May 18;250(1):47-52. Epub 2006 Nov 2
132. Dekel B, Zangi L, Shezen E, Reich-Zeliger S, Eventov-Friedman S, Katchman H, Jacob-Hirsch J, Amariglio N, Rechavi G, Margalit R, Reisner Y.
 (2006) Isolation and Characterization of Nontubular Sca-1+Lin- Multipotent Stem/Progenitor Cells from Adult Mouse Kidney
J Am Soc Nephrol. Dec;17(12):3300-14. Epub 2006 Nov 8.
133. Amariglio N, Jacob-Hirsch J, Shimoni A, Leiba M, Rechavi G, Nagler A
 (2006) Changes in Gene Expression Pattern following Granulocyte Colony-Stimulating Factor Administration to Normal Stem Cell Sibling Donors
Acta Haematol 2006;117:68–73
134. Loebstein R, Dvoskin I, Halkin H, Vecsler M, Lubetsky A, Rechavi G, Amariglio N, Cohen Y, Ken-Dror G, Almog S, Gak E.
 (2007) A coding VKORC1 Asp36Tyr polymorphism predisposes to warfarin resistance.
Blood. Mar 15;109(6):2477-80.
135. Goldstein I, BenHorin S, Koltakov A, hermoshnuk H, Polevoy V, Berkun Y, Amariglio N, Bank I.
 (2007) $\alpha^1\beta^1$ Integrin+ and Regulatory Foxp3+ T cells constitute two Functionally Distinct Human CD4+ T cell Subsets Oppositely Modulated by TNF α Blockade.
J Immunol. 2007 Jan 1;178(1):201-10
136. Hochberg M, Zeligson S, Amariglio N, Rechavi G, Ingber A, Enk CD
 (2007) Genomic-scale analysis of psoriatic skin reveals differentially expressed insulin-like growth factor-binding protein-7 after phototherapy
British Journal of Dermatology 2007 Feb;156(2):289-300.
137. Ellis MH, Ashur-Fabian O, Trakhtenbrot L, Amariglio N
 (2006) A clonal hypereosinophilic syndrome with specific and effective therapy: a report of two cases.
Isr Med Assoc J. 2006 Dec;8(12):836-7
138. Binderman I, Bahar H, Jacob-Hirsch J, Zeligson S, Amariglio N, Rechavi G, Shoham S, Yaffe A.
 (2007) P2X4 is Up-regulated in Gingival Fibroblasts after Periodontal Surgery.
J Dent Res. Feb;86(2):181-5.
139. Oved K, Ziv O, Jacob-Hirsch J, Noy R, Novak H, Makler O, Galit D, Keren S, Segal D, Gefen-Dor C, Amariglio N, Rechavi G, Reiter Y.
 (2007) A Novel Postpriming Regulatory Check Point of Effector/Memory T Cells Dictated through Antigen Density Threshold-Dependent Energy.
J Immunol. 2007 Feb 15;178(4):2307-17.
140. Gardenghi S, Marongiu MF, Ramos P, Guy E, Breda L, Chadburn A, Liu Y, Amariglio N, Rechavi G, et al
 (2007) Ineffective erythropoiesis in β -thalassemia is characterized by increased iron

- absorption mediated by down-regulation of hepcidin and up-regulation of ferroportin.
Blood. Jun 1;109(11):5027-35. Epub 2007 Feb 13
141. Lande-Diner L, Zhang J, Ben-Porath I, Amariglio N, Keshet I, Hecht M, Azuara V, Fisher AG, Rechavi G, Cedar H.
 (2007) Role of DNA methylation in stable gene repression.
J Biol Chem. Apr 20;282(16):12194-200. Epub 2007 Feb 20
142. Amit I, Citri A, Shay T, Lu Y, Katz M, Zhang F, Tarcic G, Siwak D, Lahad J, Jacob-Hirsch J, Amariglio N, Vaisman N, Segal E, Rechavi G, Alon U, Mills GB, Domany E, Yarden Y.
 (2007) A module of negative feedback regulators defines growth factor signaling.
Nat Genet. Apr;39(4):503-12. Epub 2007 Feb 25.
143. Vivante A, Amariglio N, Koren-Michowitz M, Ashur-Fabian O, Nagler A, Rechavi G, Cohen Y.
 (2007) High-throughput, sensitive and quantitative assay for the detection of BCR-ABL kinase domain mutations.
Leukemia. Jun;21(6):1318-21. Epub 2007 Mar 1.
144. Ashur-Fabian O, Adamsky K, Trakhtenbrot L, Cohen Y, Raanani P, Hardan I, Nagler A, Rechavi G, Amariglio N.
 (2007) Apaf1 in Chronic Myelogenous Leukemia (CML) Progression.Reduced Apaf1 Expression is Correlated with a H179R p53 Mutation During Clinical Blast Crisis.
Cell Cycle 2007 Mar;6(5):589-94. Epub 2007 Mar 23.
145. Somech R, Nili Gal-Yam E, Shaklai S, Geller O, Amariglio N, Rechavi G, Simon AJ.
 (2007)Enhanced expression of the nuclear envelope LAP2 transcriptional repressors in normal and malignant activated lymphocytes.
Ann Hematol. Jun;86(6):393-401. Epub 2007 Mar 16.
146. Hirshberg A, Yarom N, Amariglio N,Yahalom R, Adam I, Stanchesu R, Ben-Dov I, Taicher S, Rechavi G, Trakhtenbrot L
 (2007) Detection of non-diploid cells in premalignant and malignant oral lesions using combined morphological and FISH analysis - a new method for early detection of suspicious oral lesions.
Cancer Lett. Aug 18;253(2):282-90. Epub 2007 Mar 26.
147. Barkana I, Alexopoulou E, Ziv S, JacobHirsch J, Amariglio N, Pitaru S, Vardimon A, Nemcovsky C.
 (2007)Gene profile in periodontal ligament cells and clones with enamel matrix proteins derivative.
J Clin Periodontol. Jul;34(7):599-609. Epub 2007 Apr 13
148. Shaklai S, Amariglio N, Rechavi G, Simon AJ.
 (2007) Gene silencing at the nuclear periphery.
FEBS J. 2007 Mar;274(6):1383-92
149. Gal H, Makovitzki A, Amariglio N, Rechavi G, Ram Z, Givol D.
 (2007) A rapid assay for drug sensitivity of glioblastoma stem cells.
Biochem Biophys Res Commun. 2007 Jul 6;358(3):908-913
150. Amariglio N, Rechavi G
 (2007) A-to-I RNA editing: A new regulatory mechanism of global gene expression.
Blood Cells Mol Dis. Sep-Oct;39(2):151-5. Epub 2007 Jun 6
151. Pasvolsky R, Feigelson SW, Kilic SS, Simon AJ, Tal-Lapidot G, Grabovsky V, Crittenden JR, Amariglio N, Safran M, Graybiel AM, Rechavi G, Ben-Dor S, Etzioni A, Alon R.
 (2007) LAD-III syndrome is associated with defective expression of the Rap-1 activator CalDAG-GEFI in lymphocytes, neutrophils, and platelets
J Exp Med. Jul 9;204(7):1571-82. Epub 2007 Jun 18.
152. Weizer-Stern O, Adamsky K, Margalit O, Ashur-Fabian O, Givol D, Amariglio N, Rechavi G.
 (2007) Hepcidin, a key regulator of iron metabolism, is transcriptionally activated by p53
British Journal of Haematology, 138, 253–2
153. Koren-Michowitz M, Hardan I, Berghoff J, Yshoev G, Amariglio N, Rechavi G et al
 (2007)Chromosome 13q deletion and IgH abnormalities may be both masked by near-tetraploidy in a

- high proportion of multiple myeloma patients: A combined morphology and I-FISH analysis.
Cancer Lett. Oct 8;255(2):307-14. Epub 2007 Jun 27
154. Katz M, Amit I, Citri A, Shay T, Carvalho S, Lavi S, Milanezi F, Lyass L, Amariglio N, Jacob-Hirsch J, Ben-Chetrit N, Tarcic G, Lindzen M, Avraham R, Liao YC, Trusk P, Lyass A, Rechavi G, Spector NL, Lo SH, Schmitt F, Bacus SS, Yarden Y.
 (2007) A reciprocal tensin-3-cten switch mediates EGF-driven mammary cell migration
Nature Cell Biology Aug;9(8):961-9. Epub 2007 Jul 22.
155. Koren-Michowitz M, Shimoni A, Vivante A, Trakhtenbrot L, Rechavi G, Amariglio N, Loewenthal R, Nagler A, Cohen Y
 (2007) A new MALDI-TOF-based assay for monitoring JAK2 V617F mutation level in patients undergoing allogeneic stem cell transplantation (allo SCT) for classic myeloproliferative disorders
Leuk Res. ;32(3):421-7.
156. Ashur-Fabian O, Amariglio N, Cohen Y, Nagler A, Rechavi G, Salomon O
 (2007) The disappearance of two alleles of JAK2 V617F from peripheral blood of a polycythaemia vera patient correlates with transformation into myelofibrosis
British Journal of Haematology 138 Issue 6: 822-3
157. Paz N, Levanon EY, Amariglio N, Heimberger AB, Ram Z, Constantini S, Barbash ZS, Adamsky K, Safran M, Hirschberg A, Krupsky M, Ben-Dov I, Cazacu S, Mikkelsen T, Brodie C, Eisenberg E, Rechavi G.
 (2007) Altered Adenosine to Inosine RNA Editing in Human Cancer
Genome Research October Nov;17(11):1586-95. Epub 2007 Oct 1
158. Fisher T, Galanti G, Lavie G, Jacob-Hirsch J, Kventsel I, Zeligson S, Winkler R, Simon AJ, Amariglio N, Rechavi G, Toren A.
 (2007) Mechanisms Operative in the Antitumor Activity of Temozolomide in Glioblastoma Multiforme.
Cancer J. September/October;13(5):335-344.
159. Katzenellenbogen M, Mizrahi L, Pappo O, Klopstock N, Olam D, Jacob-Hirsch J, Amariglio N, Rechavi G, Domany E, Galun E, Goldenberg D
 (2007) Molecular mechanisms of liver carcinogenesis in the mdr2-knockout mice.
Mol Cancer Res. 2007 Nov; 5(11):1159-70.
160. Galanti G, Fisher T, Kventsel I, Shoham J, Gallily R, Mechoulam R, Lavie G, Amariglio N, Rechavi G, Toren A.
 (2008) Delta9-Tetrahydrocannabinol inhibits cell cycle progression by downregulation of E2F1 in human glioblastoma multiforme cell
Acta Oncol. 47(6):1062-70
161. Betts DR, Stanchesu R, Niggli FK, Cohen N, Rechavi G, Amariglio N, Trakhtenbrot L.
 (2008) SKY reveals a high frequency of unbalanced translocations involving chromosome 6 in t(12;21)-positive acute lymphoblastic leukemia.
Leuk Res. 32(1):39-43
162. Ashur-Fabian O, Trakhtenbrot L, Dominissini D, Koren-Michowitz M, Nagler A, Rechavi G, Amariglio N.
 (2008) The presence of a single PML-RARA isoform lacking exon 5 in FISH-negative APL samples.
Leukemia. Jan;22(1):200-3. Epub 2007 Oct 25.
163. Haberman Y, Amariglio N, Rechavi G, Eisenberg E
 (2008) Trinucleotide repeats are prevalent among cancer-related genes
Trends in Genetics Jan;24(1):14-8. Epub 2007 Dec 4.
164. Gielchinsky Y, Bogoch Y, Rechavi G, Jacob-Hirsch J, Amariglio N, Shveiky D, Linial M, Laufer N.
 (2008) Gene expression in women conceiving spontaneously over the age of 45 years
Fertility and Sterility Jun;89(6):1641-50..

165. Meiorow D, Hardan I, Dor J, Fridman E, Elizur S, Ra'anani H, Slyusarevsky E, Amariglio N, Schiff E, Rechavi G, Nagler A, BenYehuda D.
(2008) Searching for evidence of disease and malignant cell contamination in ovarian tissue stored from hematologic cancer patients.
Hum Reprod. May;23(5):1007-13.
166. Even-Zohar N, Jacob J, Amariglio N, Rechavi G, Potievsky O, Phillip M, Gat-Yablonski G.
(2008) Nutrition-induced catch-up growth increases hypoxia inducible factor 1alpha RNA levels in the growth plate.
Bone. Mar;42(3):505-15. Epub 2007 Oct 30
167. Aychek T, Miller K, Sagi-Assif O, Levy-Nissenbaum O, Israeli-Amit M, Pasmanik-Chor M, Jacob-Hirsch J, Amariglio N, Rechavi G, Witz IP.
(2008) E-selectin regulates gene expression in metastatic colorectal carcinoma cells and enhances HMGB1 release.
Int J Cancer. Oct 15;123(8):1741-50.
168. Shaklai S, Somech R, Gal-Yam EN, Deshet-Unger N, Moshitch-Moshkovitz S, Hirschberg K, Amariglio N, Simon AJ, Rechavi G.
(2008) LAP2 ζ binds BAF and suppresses LAP2 β -mediated transcriptional repression
Eur J Cell Biol. May;87(5):267-78. Epub 2008 Apr 9
169. Goldstein I, Simon AJ, Horin SB, Matzri S, Koltakov A, Langevitz P, Rechavi G, Amariglio N, Bank I. (2008) Synovial VLA-1+ T cells display an oligoclonal and partly distinct repertoire in rheumatoid and psoriatic arthritis.
Clin Immunol. Jul;128(1):75-84.
170. Puca R, Nardinocchi L, Gal H, Rechavi G, Amariglio N, Domany E, Notterman DA, Scarsella M, Leonetti C, Sacchi A, Blandino G, Givol D, D'Orazi G.
(2008) Reversible dysfunction of wild-type p53 following HIPK2 knock-down
Cancer Res. May 15; 68(10):3707-14
171. Mayo L, Jacob-Hirsch J, Amariglio N, Rechavi G, Moutin MJ, Lund FE, Stein R.
(2008) Dual role of CD38 in microglial activation and activation-induced cell death
J Immunol. Jul 1; 181(1):92-103.
172. Nagar M, Vernitsky H, Cohen Y, Dominissini D, Berkun Y, Rechavi G, Amariglio N, Goldstein I.
(2008) Epigenetic inheritance of DNA methylation limits activation-induced expression of FOXP3 in conventional human CD25-CD4+ T cells.
Int Immunol. Aug;20(8):1041-55. Epub 2008 Jun 20
173. Benjamini O, Koren-Michowitz M, Amariglio N, Kroger N, Nagler A, Shimoni A.
(2008) Relapse of postpolycythemia myelofibrosis after allogeneic stem cell transplantation in a polycythemic phase: successful treatment with donor lymphocyte infusion directed by quantitative PCR test for V617F-JAK2 mutation.
Leukemia. 22(10):1961-3.
174. Rolls A, Shechter R, London A, Segev Y, Jacob-Hirsch J, Amariglio N, Rechavi G, Schwartz M.
(2008) Two Faces of Chondroitin Sulfate Proteoglycan in Spinal Cord Repair: A Role in Microglia/Macrophage Activation.
PLoS Med. 19;5(8):e171
175. Tavor S, Eisenbach M, Jacob-Hirsch J, Golan T, Petit I, Benzion K, Kay S, Baron S, Amariglio N, Deutsch V, Naparstek E, Rechavi G
(2008) The CXCR4 antagonist AMD3100 impairs survival of human AML cells and induces their differentiation.
Leukemia. 22(12):2151-5158
176. Gal H, Pandi G, Kanner AA, Ram Z, Lithwick-Yanai G, Amariglio N, Rechavi G, Givol D.
(2008) MIR-451 and Imatinib mesylate inhibit tumor growth of Glioblastoma stem cells
Biochem Biophys Res Commun. 7;376(1):86-90

177. Keshet GI, Goldstein I, Yitzhaki O, Cesarkas K, Shenhav L, Yakirevitch A, Treves AJ, Schachter J, Amariglio N, Rechavi G.
(2008) MDR1 expression identifies human melanoma stem cells.
Biochem Biophys Res Commun. 2008 Apr 18;368(4):930-6.
178. Ron-Harel N, Segev Y, Lewitus GM, Cardon M, Ziv Y, Netanel D, Jacob-Hirsch J, Amariglio N, Rechavi G, Domany E, Schwartz M.
(2008) Age-Dependent Spatial Memory Loss Can Be Partially Restored by Immune Activation.
Rejuvenation Res. 11(5):903-13
179. Horev-Azaria L, Eliav S, Izigov N, Pri-Chen S, Mirelman D, Miron T, Rabinkov A, Wilchek M, Jacob-Hirsch J, Amariglio N, Savion N.
(2009) Allicin up-regulates cellular glutathione level in vascular endothelial cells.
Eur J Nutr. Mar;48(2):67-74
180. Grinberg-Rashi H, Ofek E, Perelman M, Skarda J, Yaron P, Hajdúch M, Jacob-Hirsch J, Amariglio N, Krupsky M, Simansky D, Ram Z, Pfeffer R, Galernter I, Steinberg D, BenDov I, Rechavi G, Izraeli S.
(2009) The Expression of Three Genes in Primary Non-Small Cell Lung Cancer Is Associated with Metastatic Spread to the Brain.
Clin Cancer Res. Mar 1;15(5):1755-61
181. Amariglio N, Hirshberg A, Scheithauer BW, Cohen Y, Loewenthal R, Trakhtenbrot L, Paz N, Koren-Michowitz M, Waldman D, Leider-Trejo L, Toren A, Constantini S, Rechavi G.
(2009) A donor-derived brain tumor following neural stem cell transplantation in an Ataxia-Telangiectasia patient
PLOS Medicine Feb 17;6(2): e1000029
182. Stanchesu R, Betts DR, Rechavi G, Amariglio N, Trakhtenbrot L.
(2009) Involvement of der(12)t(12;21)(p13;q22) and as well as additional rearrangements of chromosome 12 homolog in ETV6/RUNX1-positive acute lymphoblastic leukemia.
Cancer Genet Cytogenet. Apr 1;190(1):26-32.
183. Yarom N, Shani T, Amariglio N, Taicher S, Kaplan I, Vered M, Rechavi G, Trakhtenbrot L, Hirshberg A. (2009) Chromosomal numerical aberrations in oral lichen planus.
J Dent Res. 2009 May;88(5):427-32.
184. Zilberman DE, Cohen Y, Amariglio N, Fridman E, Ramon J, Rechavi G.
(2009) AKT1 E17 K pleckstrin homology domain mutation in urothelial carcinoma.
Cancer Genet Cytogenet. 2009 May;191(1):34-7.
185. Arien-Zakay H, Lecht S, Bercu MM, Amariglio N, Rechavi G, Galski H, Lazarovici P, Nagler A.
(2009) Interferon-gamma-induced neuronal differentiation of human umbilical cord blood-derived progenitors.
Leukemia. 2009 Oct;23(10):1790-800. Epub 2009 May 21.
186. Mandel M, Achiron A, Tuller T, Barliya T, Rechavi G, Amariglio N, Loewenthal R, Lavie G.
(2009) Clone clusters in autoreactive CD4 T-cell lines from probable multiple sclerosis patients form disease-characteristic signatures
Immunology. 2009 Oct;128(2):287-300.
187. Somech R, Simon AJ, Lev A, Dalal I, Spirer Z, Goldstein I, Nagar M, Amariglio N, Rechavi G, Roifman CM.
(2009) Reduced central tolerance in Omenn syndrome leads to immature self-reactive oligoclonal T cells.
Allergy Clin Immunol. 2009 Oct;124(4):793-800.
188. Pode-Shakked N, Metsuyanin S, Rom-Gross E, Mor Y, Fridman E, Goldstein I, Amariglio N, Rechavi G, Keshet G, Dekel B.
(2009) Developmental Tumorigenesis: NCAM as a putative marker for the malignant renal stem/progenitor cell population.
J Cell Mol Med. 2009 Aug;13(8B):1792-808.

189. Aronovich A, Tchorsh D, Shezen E, Rosen C, Klionsky Y, Cohen S, Tal O, Martinowitz U, Katchman H, Eventov-Friedman S, Amariglio N, Jacob-Hirsch J, Rechavi G, Reisner Y.
(2009) Enhancement of Pig Embryonic Implants in Factor VIII KO Mice: A Novel Role for the Coagulation Cascade in Organ Size Control
PLoS One. 2009 Dec 21; 4(12):e8362
190. Lev A,* Amariglio N*, Levy Y, Spirer Z, Anikster Y, Rechavi G, Dekel B, Somech R.
*equal contribution
(2009) Molecular assessment of thymic capacities in patients with Schimke immuno-osseous dysplas
Clin Immunol. 2009 Dec;133(3):375-81
191. Amariglio N, Lev A, Simon A, Rosenthal E, Spirer Z, Efrati O, Broides A, Rechavi G, Somech R
(2010) Molecular assessment of thymus capabilities in the evaluation of T-cell immunodeficiency
Pediatr Res. 2010 Feb;67(2):211-6
192. Lang A, Ben Horin S, Picard O, Fudim E, Amariglio N, Chowers Y.
(2010) Lidocaine inhibits epithelial chemokine secretion via inhibition of nuclear factor kappaB activation.
Immunobiology. 2010 Apr;215(4):304-13
193. Salomon O, Tohami T, Trakhtenbrot L, Meirov R, Kneller A, Berkowitz M, Nagler A, Sivan E, Goldman JM, Rechavi G, Amariglio N.
(2010) BCR-ABL transcripts are not detected in cord blood or the peripheral blood of the newborn child whose mother developed chronic myeloid leukemia while pregnant.
Leuk Res. Feb;34(2):e78-81
194. Trakhtenbrot L, Hardan I, Koren-Michowitz M, Oren S, Yshoev G, Rechavi G, Nagler A, Amariglio N
(2010) Correlation between losses of IGH or its segments and deletions of 13q14 in t(11;14) (q13;q32) Multiple Myeloma
Genes Chromosomes Cancer. 2010 Jan;49(1):17-27
195. Lev A, Amariglio N, Spirer Z, Katz U, Bielorai B, Rechavi G, Somech R
(2010) Specific self-antigen driven immune response in pericardial effusion as an isolated GVHD manifestation
Bone Marrow Transplantation 2010 Jun;45(6):1084-7.
196. Dinour D, Gray NK, Campbell S, Shu X, Sawyer L, Richardson W, Rechavi G, Amariglio N, Ganon L, Sela BA, Bahat H, Goldman M, Weissgarten J, Millar MR, Wright AF, Holtzman EJ.
(2010) Homozygous SLC2A9 Mutations Cause Severe Renal Hypouricemia
J Am Soc Nephrol. 2010 Jan;21(1):64-72.
197. Shani T, Onn A, Kabha A, Ben-Dov I, Adam I, Amariglio N, Yahalom R, Rechavi G, Trakhtenbrot L, Hirshberg A.
(2010) Chromosomal numerical aberrations in apparently normal oral mucosa of heavy smokers affected by lung cancer.
Oral Oncol. Feb;46(2):96-9
198. Amariglio N, Rechavi G
(2010) On the origin of glioneural neoplasms after neural cell transplantation
Nat Med. 2010 Feb;16(2):157
199. Vecsler M, Simon AJ, Amariglio N, Rechavi G, Gak E.
(2010) MeCP2 deficiency downregulates specific nuclear proteins that could be partially recovered by valproic acid in vitro
Epigenetics. 2010 Jan;5(1):61-7
200. Nagar M, Jacob-Hirsch J, Vernitsky H, Berkun Y, Ben-Horin S, Amariglio N, Bank I, Kloog Y, Rechavi G, Goldstein I.
(2010) TNF Activates a NF- κ B-Regulated Cellular Program in Human CD45RA- Regulatory T Cells that Modulates Their Suppressive Function.
J Immunol. 2010 Apr 1;184(7):3570-81

201. Osenberg S, Paz Yaacov N, Safran M, Moshkovitz S, Shtrichman R, Sherf O, Jacob-Hirsch J, Keshet G, Amariglio N, Itskovitz-Eldor J, Rechavi G.
(2010) Alu sequences in undifferentiated human embryonic stem cells display high levels of A-to-I RNA editing
PLoS One. 2010 Jun 21;5(6):e11173
202. Paz-Yaacov N, Levanon EY, Nevo E, Kinar Y, Harmelin A, Jacob-Hirsch J, Amariglio N, Eisenberg E, Rechavi G.
(2010) Adenosine-to-inosine RNA editing shapes transcriptome diversity in primates
Proc Natl Acad Sci U S A. 2010 Jul 6;107(27):12174-9
203. Trakhtenbrot L, Tohami T, Schiby G, Kneller A, Rosenthal E, Rosner E, Amariglio N, Salomon O.
(2010) Post-essential thrombocythemia myelofibrosis and chronic myelomonocytic leukemia can co-exist with complex cytogenetic abnormalities
Leuk Res. 2010 Nov;34(11):e308-10
204. Luria D, Rosenthal E, Steinberg D, Kodman Y, Safanaiev M, Amariglio N, Avigad S, Stark B, Israeli S; for the Israel National Study Group of Childhood ALL.
(2010) Prospective comparison of two flow cytometry methodologies for monitoring minimal residual disease in a multicenter treatment protocol of childhood acute lymphoblastic leukemia
Cytometry B Clin Cytom. 2010 Nov;78(6):365-71
205. Ashur-Fabian O, Har-Zahav A, Shaish A, Amram HW, Margalit O, Weizer-Stern O, Dominissini D, Harats D, Amariglio N, Rechavi G.
(2010) apoB and apobec1, two genes key to lipid metabolism, are transcriptionally regulated by p53
Cell Cycle. 2010 Sep;9(18):3761-70
206. Greenberger S, Levanon EY, Paz-Yaacov N, Barzilai A, Safran M, Osenberg S, Amariglio N, Rechavi G, Eisenberg E.
(2010) Consistent levels of A-to-I RNA editing across individuals in coding sequences and non-conserved Alu repeats.
BMC Genomics. 2010 Oct 28;11:608.
207. Simon AJ, Lev A, Wolach B, Gavrieli R, Amariglio N, Rosenthal E, Gazit E, Eyal E, Rechavi G, Somech R.
(2010) The effect of gentamicin-induced readthrough on a novel premature termination codon of CD18 leukocyte adhesion deficiency patients.
PLoS One. 2010 Nov 16;5(11):e13659.
208. Assia N, Goldenberg-Cohen N, Rechavi G, Amariglio N, Cohen Y
(2010) Mutation analysis of the ferritin L-chain gene in age-related cataract.
Mol Vis. 2010 Nov 24;16:2487-93
209. Seksenyan A, Ron-Harel N, Azoulay D, Cahalon L, Cardon M, Rogeri P, Ko MK, Weil M, Bulvik S, Rechavi G, Amariglio N, Konen E, Koronyo-Hamaoui M, Somech R, Schwartz M.
(2010) Thymic Involution in Amyotrophic Lateral Sclerosis.
J Cell Mol Med. Oct;14(10):2470-82.
210. Bielora B, Meyer C, Trakhtenbrot L, Golan H, Rozner E, Amariglio N, Israeli S, Marschalek R, Toren A.
(2010) Therapy-related acute myeloid leukemia with t(2;11)(q37;q23) after treatment for osteosarcoma.
Cancer Genet Cytogenet. 2010 Dec;203(2):288-91.
211. Zilberman D, Safran M, Paz N, Amariglio N, Simon A, Fridman E, Kleinmann N, Ramon J, Rechavi G.
(2011) Does RNA editing play a role in the development of urinary bladder cancer
Urol Oncol. 2011 Jan-Feb;29(1):21-6. Epub 2009 Jan 31
212. Mayo L, Levy A, Jacob-Hirsch J, Amariglio N, Rechavi G, Stein R.
(2011) Bid regulates the immunological profile of murine microglia and macrophages
Glia. Mar;59(3):397-412
213. Zwang Y, Sas-Chen A, Drier Y, Shay T, Avraham R, Lauriola M, Shema E, Lidor-Nili E, Jacob-Hirsch J, Amariglio N, Lu Y, Mills GB, Rechavi G, Oren M, Domany E, Yarden Y

- (2011) Two Phases of Mitogenic Signaling Unveil Roles for p53 and EGR1 in Elimination of Inconsistent Growth Signals.
Mol Cell. May 20;42(4):524-35.
214. Shuster A, Korem M, Jacob-Hirsch J, Amariglio N, Rechavi G, Rosenberg M.
(2011) MACH ('Microbial Alcohol-Conferred Hemolysis') is a late response to alcohol stress
FEMS Yeast Res. Jun;11(4):315-23
215. Nevo-Caspi Y, Amariglio N, Rechavi G, Paret G
(2011) A-to-I RNA Editing is Induced Upon Hypoxia
Shock Jun;35(6):585-9
216. Vecsler M, Ben Zeev B, Nudelman I, Anikster Y, Simon AJ, Amariglio N, Rechavi G, Baasov T, Gak E.
(2011) Ex Vivo Treatment with a Novel Synthetic Aminoglycoside NB54 in Primary Fibroblasts from Rett Syndrome Patients Suppresses MECP2 Nonsense Mutations.
PLoS One.;6(6):e20733. Epub 2011 Jun 13
217. Borik S, Simon AJ, Nevo-Caspi Y, Mishali D, Amariglio N, Rechavi G, Paret G.
(2011) Increased RNA editing in children with cyanotic congenital heart disease.
Intensive Care Med. 2011 Oct;37(10):1664-71.
218. Dominissini D, Moshitch-Moshkovitz S, Amariglio N, Rechavi G.
(2011) Adenosine-to-Inosine RNA Editing Meets Cancer.
Carcinogenesis. 2011 Nov;32(11):1569-77
219. Wolach O, Yeshurun M, Amariglio N, Shpilberg O, Raanani P.
(2011) Acute Promyelocytic Leukemia with a Smoldering Course Associated with Therapy-Related Myelodysplastic Syndrome
Acta Haematol. 2011 Jul 14;126(3):152-156.
220. Cohen Y, Goldenberg-Cohen N, Shalmon B, Shani T, Oren S, Amariglio N, Dratviman-Storobinsky O, Shnaiderman-Shapiro A, Yahalom R, Kaplan I, Hirshberg A.
(2011) Mutational analysis of PTEN/PIK3CA/AKT pathway in oral squamous cell carcinoma.
Oral Oncol. 2011 Oct;47(10):946-50
221. Rashi-Elkeles S, Elkon R, Shavit S, Lerenthal Y, Linhart C, Kupershtein A, Amariglio N, Rechavi G, Shamir R, Shiloh Y.
(2011) Transcriptional modulation induced by ionizing radiation: p53 remains a central player
Mol Oncol. 2011 Aug;5(4):336-48
222. Pappa KI, Jacob-Hirsch J, Vlachos GD, Christodoulou I, Partsinevelos G, Amariglio N, Markaki S, Antsaklis A, Anagnostou NP
(2011) Expression profiling of vulvar carcinoma: clues for deranged extracellular matrix remodeling and effects on multiple signaling pathways combined with discrete patient subsets.
Transl Oncol. 2011 Oct;4(5):301-13
223. Amariglio N, Klein A, Dagan L, Lev A, Padeh S, Rechavi G, Berkun Y, Somech R.
(2011) T-Cell Compartment in Synovial Fluid of Pediatric Patients with JIA Correlates with Disease Phenotype.
J Clin Immunol. 2011 Dec;31(6):1021-8.
224. Greenberg E, Rechavi G, Amariglio N, Solomon O, Schachter J, Markel G, Eyal
(2011) Mutagen-Specific Mutation Signature Determines Global microRNA Binding.
PLoS One. 2011;6(11):e27400. Epub 2011 Nov 9.
225. Uzana R, Eisenberg G, Sagi Y, Frankenburg S, Merims S, Amariglio N, Yefenof E, Peretz T, Machlenkin A, Lotem M.
(2012) Trogocytosis Is a Gateway to Characterize Functional Diversity in Melanoma-Specific CD8+ T Cell Clones.
J Immunol. 2012 Jan 15;188(2):632-40.
226. Lev A, Simon AJ, Bareket M, Bielora B, Hutt D, Amariglio N, Rechavi G, Somech R.
(2012) The Kinetics of Early T and B Cell Immune Recovery after Bone Marrow Transplantation in

- RAG-2-Deficient SCID Patients
PLoS One. 2012;7(1):e30494. Epub 2012 Jan 25.
227. Hardan I, Stanevsky A, Volchek Y, Tohami T, Amariglio N, Trakhtenbrot L, Koren-Michowitz M, Shimoni A, Nagler A.
 (2012) Treatment with Interferon alpha prior to discontinuation of Imatinib in patients with chronic myeloid leukemia
Cytokine 2012 Feb;57(2):290-3
228. Lev A, Simon AJ, Amariglio N, Rechavi G, Somech R.
 (2012) Selective clinical and immune response of the oligoclonal autoreactive T cells in Omenn patients after cyclosporin A treatment.
Clin Exp Immunol. 2012 Feb;167(2):338-45.
229. Lev A, Simon AJ, Amariglio N, Rechavi G, Somech R.
 (2012) Thymic functions and gene expression profile distinct double-negative cells from single positive cells in the autoimmune lymphoproliferative syndrome.
Autoimmun Rev. 2012 Aug;11(10):723-30
230. Margalit O, Simon AJ, Yakubov E, Puca R, Yosepovich A, Avivi C, Jacob-Hirsch J, Gelernter I, Harmelin A, Barshack I, Rechavi G, D'Orazi G, Givol D, Amariglio N.
 (2012) Zinc supplementation augments in vivo antitumor effect of chemotherapy by restoring p53 function.
Int J Cancer. 2012 Aug 15;131(4):E562-8.
231. Pradeep CR, Zeisel A, Köstler WJ, Lauriola M, Jacob-Hirsch J, Haibe-Kains B, Amariglio N, Ben-Chetrit N, Emde A, Solomonov I, Neufeld G, Piccart M, Sagi I, Sotiriou C, Rechavi G, Domany E, Desmedt C, Yarden Y
 (2012) Modeling invasive breast cancer: growth factors propel progression of HER2-positive premalignant lesions
Oncogene. 2012 Aug 2;31(31):3569-83
232. Dominissini D, Moshitch-Moshkovitz S, Schwartz S, Salmon-Divon M, Ungar L, Osenberg S, Cesarkas K, Jacob-Hirsch J, Amariglio N, Kupiec M, Sorek R, Rechavi G.
 (2012) Topology of the human and mouse m6A RNA methylomes revealed by m6A-seq
Nature May 10, 485 201-206
233. Ashur-Fabian O, Yerushalmi G, Mazaki-Tovi S, Steinberg DM, Goldshtein I, Yackobovitch-Gavan M, Schiff E, Amariglio N, Rechavi G
 (2012) Cell free expression of Hif1 α and p21 in maternal peripheral blood as a marker for preeclampsia and fetal growth restriction
PLoS One 2012;7(5):e37273.
234. Tohami T, Nagler A, Amariglio N
 (2012) Laboratory Tools for Diagnosis and Monitoring Response in Patients.
IMAJ 2012; 14: 8 August: 501-507
235. Barzilai A, Feuerman H, Quaglino P, David M, Feinmesser M, Halpern M, Feldberg E, Tomasini C, Tabibian-Keissar H, Amariglio N, Hodak E.
 (2012) Cutaneous B-cell neoplasms mimicking granulomatous rosacea or rhinophyma.
Arch Dermatol. 2012 Jul;148(7):824-31. doi: 10.1001/archdermatol.2011.3575
236. Koren-Michowitz M, Landman J, Cohen Y, Rahimi-Levene N, Salomon O, Michael M, Amariglio N, Nagler A.
 (2012) JAK2V617 Allele Burden is Associated with Transformation to Myelofibrosis.
Leuk Lymphoma. 2012 Nov;53(11):2210-3.
237. Herishanu Y, Solar I, Ben-Ezra J, Cipok M, Meirsdorf S, Amariglio N, Hoffman S, Kay S, Aharon Z, Perry C, Polliack A, Naparstek E.
 (2012) Complete Spontaneous Regression of Chronic Lymphocytic Leukemia.
J Clin Oncol. 2012 Sep 10;30(26):e254-6.

238. Dominissini D, Amariglio N, Rechavi G
(2012) Micro-editing mistake translates into a devastating brain tumor
Journal of Clinical Investigation Nov 1;122(11):3842-5.
239. Cohen Y, Goldenberg-Cohen N, Akrish S, Shani T, Amariglio N, Dratviman-Storobinsky O, Kaplan I, Barshack I, Hirshberg A.
(2012) BRAF and GNAQ mutations in melanocytic tumors of the oral cavity.
Oral Surg Oral Med Oral Pathol Oral Radiol. 2012 Dec;114(6):778-84
240. Salomon O, Holtzman EJ, Beckerman P, Avivi C, Trakhtenbrot L, Kneller A, Tohami T, Kleinbaum Y, Apter S, Amariglio N, Grossman E, Schiby G.
(2012) Hyperphosphatemia during spontaneous tumor lysis syndrome culminate in severe hypophosphatemia at the time of blast crisis of Phneg CML to acute myelomonocytic leukemia.
Exp Hematol Oncol. 2012 Aug 29;1(1):24. doi: 10.1186/2162-3619-1-24.
241. Nevo Y, Kamhi E, Jacob-Hirsch J, Amariglio N, Rechavi G, Sperling J, Sperling R
(2012) Genome-wide activation of latent donor splice sites in stress and disease
Nucleic Acids Research 2012 Nov;40(21):10980-94.
242. Lev A, Simon AJ, Trakhtenbrot L, Goldstein I, Nagar M, Stepensky P, Rechavi G, Amariglio N, Somech R.
(2012) Characterizing T Cells in SCID Patients Presenting with Reactive or Residual T Lymphocytes.
Clin Dev Immunol. 2012;261470. doi: 10.1155/2012/261470. Epub 2012 Nov 20.
243. *Tessone A,*Amariglio N, Weissman O, Jacob-Hirsch J, Liran A, Stavrou D, Haik J, Orenstein A, Winkler E. *equal contribution
(2012) Radiotherapy-Induced Basal Cell Carcinomas of the Scalp: Are They Genetically Different?
Aesthetic Plast Surg. 2012 Dec;36(6):1387-92
244. Eyal E, Tohami T, Amir A, Cesarkas K, Jacob-Hirsch J, Volchek Y, Nagler A, Rechavi G, Amariglio N
(2013) Detection of BCR-ABL1 mutations in chronic myeloid leukaemia by massive parallel sequencing
British Journal of Haematology 2013, 160, 477–486
245. Dominissini D, Moshitch-Moshkovitz D, Salmon-Divon M, Amariglio N, Rechavi G
(2013) m6A-seq by immunocapturing and massively parallel sequencing: a tool for transcriptome-wide mapping of the N6-methyladenosine landscape
Nature Protocols 2013 Jan 3;8(1):176-89. doi: 10.1038/nprot.2012.148
246. Lev A, Simon AJ, Broides A, Levi J, Garty BZ, Rosenthal E, Amariglio N, Rechavi G, Somech R.
(2013) Thymic function in MHC class II-deficient patients.
J Allergy Clin Immunol. 2013 Mar;131(3):831-9.
247. Amshalom A, Lev A, Trakhtenbrot L, Golan H, Weiss B, Amariglio N, Rechavi G, Somech R.
(2013) Severe eosinophilia in children: a diagnostic dilemma.
J Pediatr Hematol Oncol. 2013 May;35(4):303-6
248. Solomon O, Oren S, Safran M, Deshet-Unger N, Akiva P, Jacob-Hirsch J, Cesarkas K, Kabesa R, Amariglio N, Unger R, Rechavi G, Eyal E.
(2013) Global regulation of alternative splicing by adenosine deaminase acting on RNA (ADAR).
RNA. May; 19(5):591-604
249. Maggio N, Itsekson Z, Dominissini D, Blatt I, Amariglio N, Rechavi G, Tanne D, Chapman J
(2013) Thrombin regulation of synaptic plasticity: Implications for physiology and pathology?
Exp Neurol. Sep;247:595-604
250. Bielora I, Fisher T, Waldman D, Lerenthal Y, Nissenkorn A, Tohami T, Marek D, Amariglio N, Toren A.
(2013) Acute Lymphoblastic Leukemia in Early Childhood as the Presenting Sign of Ataxia-Telangiectasia Variant

- Pediatr Hematol Oncol. 2013 Sep;30(6):574-82.
251. Nemlich Y, Greenberg E, Ortenberg R, Besser MJ, Barshack I, Jacob-Hirsch J, Jacoby E, Eyal E, Rivkin L, Prieto VG, Chakravarti N, Duncan LM, Kallenberg DM, Galun E, Bennett DC, Amariglio N, Bar-Eli M, Schachter J, Rechavi G, Markel G.
(2013) MicroRNA-mediated loss of ADAR1 in metastatic melanoma promotes tumor growth
J Clin Invest. 2013 Jun 3;123(6):2703-18.
252. Moyal L, Barzilai A, Gorovitz B, Hirshberg A, Amariglio N, Jacob-Hirsch J, Maron L, Feinmesser M, Hodak E.
(2013) miR-155 is involved in tumor progression of mycosis fungoides
Exp Dermatol. 2013 Jun;22(6):431-3.
253. Vilboux T, Lev A, Malicdan MC, Simon AJ, Järvinen P, Racek T, Puchalka J, Sood R, Carrington B, Bishop K, Mullikin J, Huizing M, Garty BZ, Eyal E, Wolach B, Gavrieli R, Toren A, Soudack M, Atawneh O, Babushkin T, Schiby G, Cullinane A, Avivi C, Polak-Charcon S, Barshack I, Amariglio N, Rechavi G, van der Werff ten Bosch J, Anikster Y, Klein C, Gahl WA, Somech R
(2013) A Congenital Neutrophil Defect Syndrome Associated with Mutations in Vps45
N Engl J Med. 2013 Jul 4;369(1):54-65
254. Somech R, Lev A, Simon AJ, Korn D, Garty BZ, Amariglio N, Rechavi G, Almashanu S, Zlotogora J, Etzioni A.
(2013) Newborn screening for severe T and B cell immunodeficiency in Israel: a pilot study
Is Med Assoc J. 2013 Aug;15(8):404-9
255. Ben-Zvi M, Amariglio N, Paret G, Nevo-Caspi Y.
(2013) F11R Expression upon Hypoxia Is Regulated by RNA Editing.
PLoS One. 2013 Oct 16;8(10):e77702
256. Czerniak E, Korostishevsky M, Frisch A, Cohen Y, Amariglio N, Rechavi G, Michaelovsky E, Stein D, Danziger Y, Fennig S, Apter A, Weizman A, Gak E.
(2013) Association between a common CYP17A1 haplotype and anxiety in female anorexia nervosa.
Arch Womens Ment Health. 2013 Oct;16(5):423-8
257. Ben-Shoshan SO, Simon AJ, Jacob-Hirsch J, Shaklai S, Paz-Yaacov N, Amariglio N, Rechavi G, Trakhtenbrot L.
(2014) Induction of polyploidy by nuclear fusion mechanism upon decreased expression of the nuclear envelope protein LAP2 β in the human osteosarcoma cell line U2OS.
Mol Cytogenet. 2014 Jan 28;7(1):9. doi: 10.1186/1755-8166-7-9
258. Jacoby E, Yalon M, Leitner M, Cohen ZR, Cohen Y, Fisher T, Eder S, Amariglio N, Rechavi G, Cazacu S, Xiang C, Mikkelsen T, Brodie C, Toren A.
(2014) Related to testes-specific, vespid and pathogenesis protein-1 is regulated by methylation in glioblastoma
Oncol Lett. 2014 Apr;7(4):1209-1212
259. Koren-Michowitz M, Buzaglo Z, Ribakovsky E, Schwarz M, Pessach I, Shimoni A, Beider K, Amariglio N, le-Coutre P, Nagler A.
(2014) OCT1 genetic variants are associated with long term outcomes in imatinib treated chronic myeloid leukemia patients
Eur J Haematol. 2014 Apr;92(4):283-8
260. Lev A, Simon AJ, Ben-Ari J, Takagi D, Stauber T, Trakhtenbrot L, Rosenthal E, Rechavi G, Amariglio N, Somech R.
(2014) Coexistence of clonal expanded autologous and transplacental-acquired maternal T cells in RAG1-deficient SCID.
Clin Exp Immunol. 2014 Jun;176(3):380-6
261. Kraus M, Lev A, Simon AJ, Levran I, Nissenkorn A, Levi YB, Berkun Y, Efrati O, Amariglio N, Rechavi G, Somech R.
(2014) Disturbed B and T cell homeostasis and neogenesis in patients with ataxia telangiectasia

- J Clin Immunol. 2014 July 34(5): 561-7
262. Gaisler-Salomon I, Kravitz E, Feiler Y, Safran M, Biegon A, Amariglio N, Rechavi G. (2014) Hippocampus-specific deficiency in RNA editing of GluA2 in Alzheimer's disease Neurobiol Aging. 2014 Aug;35(8):1785-91
263. Solomon O, Bazak L, Levanon E, Amariglio N, Unger R, Rechavi G, Eyal E. (2014) Characterizing of functional human coding RNA editing from evolutionary, structural and dynamic perspectives. Proteins. 2014 Nov;82(11):3117-31
264. Geula S, Moshitch-Moshkovitz S, Dominissini D, Mansour AA, Kol N, Salmon-Divon M, Hershkovitz V, Peer E, Mor N, Manor YS, Ben-Haim MS, Eyal E, Yunger S, Pinto Y, Jaitin DA, Viukov S, Rais Y, Krupalnik V, Chomsky E, Zerbib M, Maza I, Rechavi Y, Massarwa R, Hanna S, Amit I, Levanon EY, Amariglio N, Stern-Ginossar N, Novershtern N, Rechavi G, Hanna JH (2015) m6A mRNA methylation facilitates resolution of naïve pluripotency toward differentiation Science. 2015 Feb 27;347(6225):1002-6
265. Rechavi E, Lev A, Lee YN, Simon AJ, Yinon Y, Lipitz S, Amariglio N, Weisz B, Notarangelo LD, Somech R. (2015) Timely and spatially regulated maturation of B and T cell repertoire during human fetal development Sci Transl Med. 2015 Feb 25;7(276):276ra25. doi: 10.1126/scitranslmed.aaa0072.
266. Rappoport N, Simon AJ, Lev A, Yacobi M, Kaplinsky C, Weingarten M, Somech R, Amariglio N, Rechavi G (2015) Correlation between 'ACKR1/DARC null' polymorphism and benign neutropenia in Yemenite Jews Br J Haematol. 2015 Sep;170(6):892-5.
267. Shinar Y, Tohami T, Livneh A, Schiby G, Hirshberg A, Nagar M, Goldstein I, Cohen R, Kukuy O, Shubman O, Sharabi Y, Gonzalez-Roca E, Arostegui JI, Rechavi G, Amariglio N, Salomon O (2015) Acquired familial Mediterranean fever associated with a somatic MEFV mutation in a patient with JAK2 associated post-polycythemia myelofibrosis Orphanet J Rare Dis. 2015 Jun 30;10:86. doi: 10.1186/s13023-015-0298-6.
268. Webb M, Shibolet O, Halpern Z, Nagar M, Amariglio N, Levit S, Steinberg DM, Santo E, Salomon O. (2015) Assessment of Liver and Spleen Stiffness in Patients With Myelofibrosis Using FibroScan and Shear Wave Elastography Ultrasound Q. 2015 Sep;31(3):166-9
269. Koren-Michowitz M, Shimoni A, Daraio F, Crasto F, Lorenzatti R, Volchek Y, Amariglio N, Gottardi E, Saglio G, Nagler A. (2015) Sensitive Replicate RT-qPCR of BCR-ABL Show Deep Molecular Responses in Long Term Post Allogeneic SCT CML Patients. Biol Blood Marrow Transplant. 2015 Oct;21(10):1852-5
270. Dominissini D, Moshitch-Moshkovitz S, Amariglio N, Rechavi G (2015) Transcriptome-Wide Mapping of N(6)-Methyladenosine by m(6)A-Seq. Methods Enzymol. 2015;560:131-47. doi: 10.1016/bs.mie.2015.03.001. Epub 2015 Jun 2
271. Pappa KI, Polyzos A, Jacob-Hirsch J, Amariglio N, Vlachos GD, Loutradis D, Anagnostou NP. (2015) Profiling of Discrete Gynecological Cancers Reveals Novel Transcriptional Modules and Common Features Shared by Other Cancer Types and Embryonic Stem Cells. PLoS One. 2015 Nov 11;10(11):e0142229
272. Shuly Y, Nagar M, Ben-Asaf L, Kneller A, Steinberg DM, Amariglio N, Salomon O. (2015) Calreticulin mutation burden - Is it a stable clone in patients with essential thrombocythemia and myelofibrosis? Blood Cells Mol Dis. 2015 Dec;55(4):281-3.
273. Yahalom R, Yarom N, Shani T, Amariglio N, Kaplan I, Trakhtenbrot L, Hirshberg A

- (2016) Oral lichen planus patients exhibit consistent chromosomal numerical aberrations: A follow-up analysis.
Head Neck. 2016 Apr;38 Suppl 1:E741-6.
274. Dominissini D, Nachtergaele S, Moshitch-Moshkovitz S, Peer E, Kol N, Ben-Haim MS, Dai Q, Di Segni A, Salmon-Divon M, Clark WC, Zheng G, Pan T, Solomon O, Eyal E, Hershkovitz V, Han D, Doré LC, Amariglio N, Rechavi G, He C.
(2016) The dynamic N(1)-methyladenosine methylome in eukaryotic messenger RNA.
Nature. 2016 Feb 25;530(7591):441-6.
275. Marcu-Malina V, Garelick D, Peshes-Yeloz N, Wohl A, Zach L, Nagar M, Amariglio N, Besser MJ, Cohen ZR, Bank I.
(2016) Peripheral blood-derived, $\gamma 9\delta 2$ t cell-enriched cell lines from glioblastoma multiforme patients exert anti-tumoral effects in vitro.
J Biol Regul Homeost Agents. 2016 Jan-Mar;30(1):17-30.
276. Leiba M, Duek A, Amariglio N, Abraham A, Benyamini N, Hardan I, Zilbershats I, Ganzel C, Shevetz O, Novikov I, Cohen Y, Ishoev G, Rozic G, Nagler A, Trakhtenbrot L
(2016) Translocation t(11;14) in Newly Diagnosed Multiple Myeloma Patients, Is it Always Favorable?
Genes Chromosomes Cancer. 2016 Sep;55(9):710-8
277. Solomon O, Eyal E, Amariglio N, Unger R, Rechavi G.
(2016) e23D - database and visualization of A-to-I RNA editing sites mapped to 3D protein structures.
Bioinformatics. 2016 Jul 15;32(14):2213-5.
278. Meirow D, Ra'anani H, Shapira M, Brenghausen M, Derech Chaim S, Aviel-Ronen S, Amariglio N, Schiff E, Orvieto R, Dor J.
(2016) Transplantations of frozen thawed ovarian tissue demonstrate high reproductive performance and the need to revise restrictive criteria.
Fertil Steril. 2016 Aug;106(2):467-74
279. Yalon M, Tuval-Kochen L, Castel D, Moshe I, Mazal I, Cohen O, Avivi C, Rosenblatt K, Aviel-Ronen S, Schiby G, Yahalom J, Amariglio N, Pfeffer R, Lawrence Y, Toren A, Rechavi G, Paglin S.
(2016) Overcoming Resistance of Cancer Cells to PARP-1 Inhibitors with Three Different Drug Combinations
PLoS One. 2016 May 19;11(5):e0155711.
280. Yahav G, Hirshberg A, Salomon O, Amariglio N, Trakhtenbrot L, Fixler D.
(2016) Fluorescence lifetime imaging of DAPI-stained nuclei as a novel diagnostic tool for the detection and classification of B-cell chronic lymphocytic leukemia.
Cytometry A. 2016 Jul;89(7):644-52
281. Simon AJ, Lev A, Zhang Y, Weiss B, Rylova A, Eyal E, Kol N, Barel O, Cesarkas K, Soudack M, Greenberg-Kushnir N, Rhodes M, Wiest DL, Schiby G, Barshack I, Katz S, Pras E, Poran H, Reznik-Wolf H, Ribakovsky E, Simon C, Hazou W, Sidi Y, Lahad A, Katzir H, Sagie S, Aqeilan HA, Glousker G, Amariglio N, Tzfati Y, Selig S, Rechavi G, Somech R.
(2016) Mutations in STN1 cause Coats plus syndrome and are associated with genomic and telomere defects.
J Exp Med. 2016 Jul 25;213(8):1429-40
282. Ben-Shoshan SO, Kagan P, Sultan M, Barabash Z, Dor C, Jacob-Hirsch J, Harmelin A, Pappo O, Marcu-Malina V, Ben-Ari Z, Amariglio N, Rechavi G, Goldstein I, Safran M
(2016) ADAR1 deletion induces NF κ B and interferon signaling dependent liver inflammation and fibrosis
RNA Biol. 2016 Jun 30:1-16

283. Marcu-Malina V, Goldberg S, Vax E, Amariglio N, Goldstein I, Rechavi G.
(2016) ADAR1 is vital for B cell lineage development in the mouse bone marrow
Oncotarget. 2016 Aug 2.
284. Solomon O, Kunik V, Simon A, Kol N, Barel O, Lev A, Amariglio N, Somech R, Rechavi G, Eyal E.
(2016) G23D: Online tool for mapping and visualization of genomic variants on 3D protein structures.
BMC Genomics. 2016 Aug 26;17:681
- 285.