CV

Dani Bercovich

Date: 20 August 2018

A. Personal Details

- Full name: Dani Bercovich
- Date of birth: 16 January 1960
- Country of birth: Israel
- Date of immigration to Israel: n/a
- Citizenship: Israel
- ID number: 056048986
- Family status – married + 4 sons
- Full home address: Hazit St., Karkom, 12926.
- Home: Tel: 04-6930911, Fax: Cell phone: 050-7244089
- Work: Address: Tel Hai College Tel: 04-9007103; Fax:04-9007111
- E-mail address: dannyb@telhai.ac.il

B. Higher Education:

1988-1991	Hebrew University of Jerusalem, Faculty of Agriculture, Food and Environment, Department of Animal Sciences, B.Sc. (30 August 1991), with distinction.
1992-1993	Hebrew University of Jerusalem, Animal Science, Feed Control, M.Sc. (30 August 1993), with distinction. Field of thesis research: "The possible involvement of the chicken bursa on feed control."
1994-1998	Hebrew University of Jerusalem, Faculty of Medicine, Department of Microbiology and Molecular Genetics. Ph.D. (30 August 1998). Field of doctoral research: "The effect of the Homeobox gene on quantitative traits in poultry." Supervisor Prof. Yosef Gruenbaum, Department of Genetics, Hebrew University of Jerusalem.
1998 - 1999	Postdoctoral research, MIGAL - Galilee Technology Center, Human molecular genetics. Hosted by Dr. Yoram Plozky.

1999-2001	Postdoctoral research, Baylor College of Medicine, Houston, TX, Human molecular genetics, DHPLC, mutation analysis in humans, knockout-mice. Hosted by Prof. Dr. A. L. Beaudet.

C. Academic Appointments and Academic Administrative Positions in Institutions of Higher Education

(* = since last promotion)

- Ranks and their date of granting

1 October 1995	Instructor
1 October 1998	Lecturer
1 October 2011	Associate professor
21 August 2014	Faculty member with tenure

- Appointments and period (year-year)

1995 – 1998	Instructor, Tel Hai College
1998 – 2001	Lecturer, Ohalo College
2001 – 2003	Lecturer, Tel Hai College
2004 – 2005	Adjunct lecturer, Tel Hai College
2011 - *	Associate professor, Tel Hai College
2012 - *	Faculty member with tenure, Tel Hai College

- Academic administrative positions (year-year)

2008-2016	An initiator and organizer of the establishment of a research master's degree at the college
2008-2013	Member, Tel Hai College Disciplinary Committee.
*2017 –	Head of MSc Program in Biotechnology, Tel Hai College
2017 –	Member, Teaching Committee, BSc Program in Animal Science.

- Faculty: Sciences and Technology, Department of Biotechnology and Department of Animal Science
- Field: Genetics

D. Teaching

- Teaching in academic institutions

1995 – 1998	Instructor, Tel Hai College, Molecular Genetics
1998 – 2001	Lecturer, Ohalo College, Biology
2001 – 2003	Lecturer, Tel Hai College, Molecular Genetics
2004 – 2005	Adjunct lecturer, Tel Hai College, Molecular Genetics
*2011 –	Associate professor, Tel Hai College, Molecular Genetics
*2012 –	Faculty member with tenure, Tel Hai College, Molecular Genetics

- Teaching in non-academic institutions
- Courses taught in the past five years

1995 – Present	Basic Genetics, Molecular Genetics & Genetic Engineering (BSc)	
2002 – Present	Bioinformatics: Introduction to Bio-Informatics and Advanced Course in Bioinformatics (MSc)	
2009 – Present	Tel Hai College	Gene Therapy (MSc)
2009 – Present	Tel Hai College	Bio-Technology in Medicine/Human Molecular Genetics & Diseases (MSc)
* 2013 – Present	Tel Hai College	Animal Genetics and Breeding (BSc)

E. Supervision of Graduate Students

* = since last promotion

2004 -2006	Tel Hai College, MSc, Arava Elimelech, "Molecular basis of phenylketonuria (PKU) disease in Israel." In collaboration with Dr. Yair Anikster, Tel Aviv University Sackler Faculty of Medicine.
2005 - 2007	Tel Hai College, MSc, Tal Yardeni, "Molecular analysis of progressive familial intrahepatic cholestasis in Israel." In

collaboration with Dr. Yair Anikster, Tel Aviv University Sackler Faculty of Medicine.

2007 - 2010 Tel Hai College, MSc, Deganit Levi, “Gene polymorphisms in coagulation proteins affecting local hemostasis in the human placenta”. In collaboration with Prof. Shai Israeli, Tel Aviv University, Sackler Faculty of Medicine.

*2008 -2013 Tel Aviv University, PhD, Chen Shochat, “Molecular basis for the hematopoietic growth factor pathway in hematopoietic malignancies.” In collaboration with Prof. Shai Israeli, Tel Aviv University Sackler Faculty of Medicine.

*2010-2012 Tel Hai College, MSc, Lior Snauder, "Genetic diversity of color phenotypes in the koi (Cyprinus carpio L) as identified by molecular markers." In collaboration with Prof. Gadi Degani, Tel Hai College.

*2011-2014 Tel Hai College, MSc, Aviad Stroler, "The development of DNA marks for a police identikit kits for suspects."

*2013-2017 Tel Hai College, MSc, Revital Goldstin, "Single sperm CGH analysis."

*2014 -2017 Tel Hai College, MSc, Nina Pastukh, "Effect of sepsis on the functioning and the number of endothelial stem cells in peripheral blood." In collaboration with Dr. Avi Peraz, Poriya Hospital.

*2015 – Tel Hai College, MSc, Oshrat Noked, "Function analysis of the TP53 gene promoter in bovine with and without retro-transposome." In collaboration with Dr. Yaron Dekel, Golan Research Institute.

*2017 – Tel Hai College, MSc, Ayelet Barash, "Analysis of control sequences in genes involved in the development of Canidae and Suidae." In collaboration with Dr. Yaron Dekel, Golan Research Institute.

F. Research Grants

* = since last promotion

Year	Subject	Grantor	Grant sum	Collabora-tors	Related publications
2002 - 2004	Development of a genetic diagnostic	Ministry of Industry &	Avg. $172,000/yr	Prof. E. Leitersdorf	32

Year	Subject	Grantor	Grant sum	Collabora-tors	Related publications
	method for identifying poor response to HMG CoA reductase inhibitors in patients with Familial Hypercholesterolemia (high plasma LDL cholesterol).	Trade	(for 2 yrs); PI's part: $159,000/yr		
2003 - 2004	Detection of novel prothrombotic candidate genes associated with pregnancy loss in the Galilean women	Ministry of Science, Regional R&D	$32,000/yr; Researcher's part: Avg. $32,000/yr	Prof. B. Brenner	
2003 - 2005	Detection of novel prothrombotic candidate genes associated with pregnancy loss	ISF	$42,000/ yr; PI's part: AVG $24,000/ yr	Prof. B. Brenner	
2003 - 2005	Polymorphism of the thrombin receptor and breast cancer risk in the general population and in carriers of BRCA1/2 mutations	Israel Cancer Foundation (ICF).	$14,000/yr; Researcher's part: Avg. $12,000/yr Prof. T. Perez		38,39,41
2005 - 2006	Possible connection between maternal mitochondrial DNA mutations and fetal aneuploidy	Israel Cancer Foundation (ICF).	$42,000/yr; PI's part: Avg. $39,000/yr	Prof. G. Barkai	
2005 - 2008	Growth factor pathway as therapeutic target of hematopoietic malignancies	Ministry of Industry & Trade	Avg. $204,000/yr (4 yrs); PI's part: $185,000/ yr	Prof Shai. Israeli	17,49,54,59, 62,64,69,70
2009 -	Modifier genes in breast & ovarian cancers	Ichilov Hospital Research Authority	$40,000/yr; PI's part: $40,000/yr.	Prof. T. Perez	40,50,51,57, 60
2009 -	Modifier genes in colon cancers	Ichilov Hospital Research Authority	$14,000/yr; PI's part: $14,000/yr	Prof. Paul Rozen	52,58,88
2010 -	Modifier genes in renal cancers	Tel Hashomer Research Authority	$13,000/yr; PI's part: $13,000/yr	Dr. Yair Anikster	44,45,56
*2012 -	Identification of the genetic components which are involved in the metabolic	Galilee Research Authority	$66,000/yr; PI's part: $50,000/yr	Dr. Hussein Osamah	

Year	Subject	Grantor	Grant sum	Collabora-tors	Related publications
	syndrome				
*2012 -	Molecular basis of inherited thyroid diseases	Galilee Research Authority	$40,000/yr; PI's part: $26,000/yr	Prof Yardena Tenenboum	72,74,76,81
*2013 -	Identification of the genetic components which are involved in the metabolic syndrome	Galilee Research Authority	$66,000$/ year; PI's part: $50,000/yr	Dr. Hussein Osamah	
*2013 -	MUC1 polymorphism and association with evolution of cancer	Galilee Research Authority	$66,000/yr; PI'S part: $50,000/yr	Dr. Omer Armon	
*2014 -	Gene expression and epigenetic regulation in neutrophils from hemodialysis patients as early markers for atherosclerosis	Galilee Research Authority	$66,000/yr; PI's part: $16,000/yr	Prof. Batya Kristal	
*2014 -	Molecular genetics of cognitive deficit in schizophrenia: A comparison with adult ADHD	Galilee Research Authority	$40,000/yr; PI's part: $27,000/yr	Dr. Sonia Sonkin	
*2015 -	Development of a DNA Identikit	Ministry of Defense	$40,000/yr; PI's part: $40,000/yr	Dr Yoram Plotsky	
* 2015 – 2016	Genetic analysis of motile sperm and correlation with fine morphology	Merck-Serono Group	$14,000/yr; PI's part: Avg $16,500/yr	Dr. Arie Berkovitz	87
* 2016 -	Application for support for the Matriculation Plan 2016	National Authority for Technological Innovation - MAGNET	$350,000/yr ; PI's part: $175,000/yr	Dr. Yoram Plotsky	
* 2017 -	Development of innovative genetic tests to reduce the risk of having children with genetic diseases	Authority for Innovation & Ministry of Health	$1,605,000/ yr; PI's part: $580,000/yr	Dr. Yoram Plotsky	

Year	Subject	Grantor	Grant sum	Collabora-tors	Related publications
* 2017	Development of genetic markers for lifestyle adjustment	MIGAL research program	$32,000/yr; PI's part: $21,000/yr	Prof. Snait Tamir	

G. Awards and Fellowships

1992	MSc with honors - Hebrew University of Jerusalem.
1993	MSc with honors - Hebrew University of Jerusalem.
1994-1998	Ph.D. scholarship – MIGAL & Hebrew University of Jerusalem.
1997	Best scientific work at the Avian Science Convention, Zichron Yaacov.
1999-2001	Post-doctoral scholarship - Baylor College of Medicine, Houston, TX.
2008	Best scientific paper of the year 2008, Tel Aviv University Sackler Faculty of Medicine.

H. Active Participation in Conferences (* = since last promotion)

1997. World's Poultry Science Association, 35th Annual Convention.*The Homeobox Gene CdxA and quantitative traits in broiler lines* (with Plotsky Y, Ratz T, Tsilkin G, Yaakobi M., & Gruenbaum Y.). Zichron Yaacov. (Awarded by the WPSA).

September 1997. Modern Applications of DNA Amplification Techniques. *The quantitative ratio of primer Paris and annealing temperature affect pcr products in multi-band amplification* (with Regev, R., Ratz, T., & Plotsky, Y.). Bellem, East Germany.

2000. 50-ASHG, Transgenomic Symposium. *Denaturing high performance liquid chromatography (DHPLC) and diagnosis of DNA alterations* (with Beaudet, A.L.). Philadelphia.

2000. 50-ASHG, 1339. *Denaturing High Performance Liquid Chromatography (DHPLC) used in the detection of mutations and polymorphism in the UBE3A gene* (with Lev-Lehman, E., & Beaudet, A. L.). (poster presentation).

2000. Human Mol Gen, Reatrit. 49. *Denaturing High Performance Liquid Chromatography (DHPLC) used in the detection of mutation and polymorphisms in the UBE3A, MECP2 and PLCB13 genes* (with Beaudet, A.L.). (poster presentation).

Sept., 2000. Georgia Genetics Symposium II: Mutagenesis of the Mouse Genom *Using the Denaturing High Performance Liquid Chromatography (DHPLC) and diagnosis of DNA alterations* (with Beaudet, A.L.). (invited lecture).

April, 2001. Genomics3. *Denaturing High Performance Liquid Chromatography (DHPLC) for screening of DNA alterations* (with Beaudet, A.L). Houston (invited lecture).

2002. nAChR in Non-Neuronal Cells Symposium. *Nicotinic receptor knockout mice: cholinergic dysfunction in non-neuronal cells* (with Arredondo, J. et al.). San Francisco.

2002. ASHG*,* Transgenomic Symposium. *Classifying haploid creatures by the DHPLC apparatus* (with Beaudet, A.L.). Baltimore (invited lecture).

2002. ASHG, 2192. Megacystic*, microcolon, hypoperistalsis (MIMIHS) and pseudo-obstruction syndrome: Searching for the human genes* (with Lev-Lehman, E., Xu, W., & Beaudet, A.L.). (poster presentation).

2002. ASHG, 1793. G*enetics of autism: Identification of chromosomal abnormalities and susceptibility loci in chromosome 15q in Autism families* (with Kashork, C. D., Stockton, D. W., Sahoo, T., Shaffer, G., & Beaudet, A. L.). Baltimore (poster presentation).

2004. ASHG, 1755. *Infantile and juvenile-onset glycogen storage disease type II in a Druze kindred from northern Israel: Genotype phenotype correlation* (with Mandel, H. et. Al.). (poster presentation)

2004. ASHG, 385. *FAP- causing mutation in the APC gene that was missed by PTT was detected by DHPLC* (with T. Naiman, T., R. Shomrat, R., S. Simchoni, S., Y. Yaron, Y., & A. Orr-Urtreger, A.). (poster presentation).

2004. ASHG, 526. *Screening for germline mutations in the PTEN, MSR1 and KLF6 genes in prostate cancer patients* (with Bar-Shira, H. Matzkin, N. Matarasso, S. D., & Orr-Urtreger, A.). (poster presentation).

2004. ASHG, 2698. *Common TagSNPs haplotypes of genes association with fluvastatin treatment in familial hypercholesterolemic patients* (with Korem, S. et al.). (poster presentation).

2004. ASHG, 2913. *Detection of SNPs haplotypes by a non-fluorescent multiplex DHPLC method* (with Korem, S., Meiner, V., Shocaat, C., & Leitersdorf, E.). (poster presentation).

2004. ASHG, 1755. *Infantile and juvenile-onset glycogen storage disease type ii in a druze kindred from northern Israel: Genotype phenotype correlation* (with Mandel, H. et al.). (poster presentation).

2004. ASHG, 385. *FAP- causing mutation in the APC gene that was missed by PTT was detected by DHPLC* (with Naiman, T. et al.). (poster presentation).

2004. ASHG, 526. *Screening for germline mutations in the PTEN, MSR1 and KLF6 genes in prostate cancer patients* (with Bar-Shira, H. Matzkin, N. Matarasso, & Orr-Urtreger, A.). (poster presentation).

2005. ASHG, 470. Mutations screening in BRCA1 /2 genes in non -Ashkenazi women (with Elimelech, M. et al.). (poster presentation).

2005. ASHG, 1404. *DHPLC mutation analysis of Phenylketonuria in large multi-origin population* (with Anikster, Y. et al.). (poster presentation).

2005. ASHG, 707. *Gene polymorphisms or haplotypes in the Endothelial cell protein C receptor as potential risk factor for idiopathic recurrent pregnancy loss: A population-based case-control study* (with Levi, D., Sarig, G., Schochat, G. Tenenbaum, & Brenner, B.). (poster presentation).

2007. ASHG 1543. *Genotype-phenotype correlation of the phenylalanine hydroxylase (PAH) gene in a multi-origin population* (with Elimelech, Y. et al.). (poster presentation).

2007. ASHG, 2454. *Correlation of genotype/phenotype in different ethnic groups with primary congenital glaucoma* (with Shochat, C., & Geyer, O.). (poster presentation).

2007. ASHG, 1129. *Molecular analysis of progressive familial intrahepatic cholestasis in Israel* (with Yardeni, T., Anikster, Y., Shapiro, R., & Bujanover, Y.). (poster presentation).

2008. FISEB, PB-437. *Genotype analysis of progressive familial intrahepatic cholestasis* (with Yardeni, T. Anikster, Y., Shapiro, R., & Bujanover, Y.). (poster presentation).

2008. FISEB, PB- 442. *Multi-origin population genotype-phenotype analysis of the PAH gene in PKU patients* (with Elimelech, A. et al.). (poster presentation).

2008. FISEB, PB-456. *Mutation detection in the tp-53 gene by the hi-resolution melting technique* (with Shochat, C. et al.) (poster presentation).

2008. FISEB, PB-472. *BRCA-1 robust mutation screening by high-resolution melting analysis* (with Yardeni, T., Shochat, C., & Korem, S.). (poster presentation).

2008. FISEB, PB-129. *IBFM study group of childhood leukemia and S. Izraeli. Collaboration between activating mutations in JAK2 and trisomy 21 in the acute lymphoblastic leukemias of Down Syndrome (DS*) (with Ganmore, I., Elimelech, A., Avigad, B., Stark, B., & Birger, Y.). (poster presentation).

2008. FISEB, PB-217. *SFB-based s- Haplotyping of apricot (Prunus Armaniaca) with DHPLC* (with Raz, A., Stern, R. A., Shafir, S., & Goldway, M.). (poster presentation).

2008. EHGC. *Correlation of genotype/phenotype in primary congenital glaucoma patients from different ethnic groups of the Israeli population* (with Shochat, C., Korem, S., & Geyer, O.), Barcelona (poster presentation).

2009. Genetic Society of Israel, Annual Meeting: Frontiers in Genetics V. *Mutations of JAK2 in acute lymphoblastic leukaemias associated with Down's syndrome* (with Shochat, C., Ganmore, I., Korem, S., Elimelech, A., & Izraeli, S.). (poster presentation).

2009. Genetic Society of Israel, Annual Meeting: Frontiers in Genetics V. *Growth factor pathway as therapeutic targets of hematopoietic malignancies* (with Korem, S., Shochat, C., Elimelech, A., & Izraeli, S.). (poster presentation).

2009. ASHG, 1543. *Correlation of genotype/phenotype in different ethnic groups with primary congenital glaucoma* (Shochat, C., & Geyer, O.). (poster presentation).

2010. ASHG, 1165. *A novel resequencing diagnostic microarray: RDMGGA1.0 chip, customized to diagnose mutations in patients with breast, ovarian, colon, skin and multiple cancers* (with Plotsky, Y. et al). Washington, DC, (poster presentation).

2010. ISMG. *CNV Gene chips for the identification of clinical phenotypes*., Jaffa.

Oct., 2010. Galil Bio-Medicine Conference I. *The usage of CGH MicroArray for the identification of CNV which are related to clinical phenotypes in the human genome.* (invited lecture).

*2011. Medical Genomics Research Conference. *Using gene-chip technology for the identification of CNV in human genome related to clinical complex diseases phenotypes.* Tel Hashomer.

* 2011. Medical Genomics Research Conference. *A novel resequencing diagnostic microarray: RDMGGA1.0 chip, customized to diagnose mutations in patients with breast, ovarian, colon, skin and multiple cancers*. Tel Hashomer.

*2012. ASHG. *Genetic research using fluidigm integrated fluidic circuits (IFCs)*. San Francisco. (invited lecture).

*2013. ESHG. *Genetic research and diagnosis using the Fluidigm gene chip*. Paris. (invited lecture).

*2013. Mifne Center and Bar Ilan University Conference. *Genetic findings for autism multi-factorial aspects of autism – Abstracts.* (invited lecture).

*Nov., 2013. Actualităţi în Screening, Diagnostic, Chirurgie Oncologică a Sânului și Radioterapie High–Tech. *Novel gene chip technologies for personalized cancer medicine diagnostic.* Bucharest. (invited lecture).

*2014. Genetics & Genomics Virtual Conference. *Gene chip and NGS for screening mutations in colon cancers*. Eilat. (invited lecture).

2014. International Society for Heart Research, European Section Israeli, Biomedical Engineering. *Gene chip technology and NGS for screening mutations in heart disease.*, Haifa, Israel.

*2014. ASHG, 756. *Locating new genes which may be involved in the development of primary congenital glaucoma* (with Wolf, A., & Geyer, O.). (poster presentation).

*20 Aug 2014. Genetics and Genomics Virtual, Bio-conference-live. *Novel gene chip technologies and NGS sequencing for personalized medicine & diagnostic*.

*2015. ENDO. *Minichromosome Maintenance Complex Component 8 (MCM8) gene mutation results in primary gonadal failure*. San Diego.

*2015. ASHG, 852. *Novel human DNA Identikit using SNVs in the fluidigm nano fluidic dynamic arrays* (with Plosky, Y. et al.). (poster presentation).

*2015. Annual Meeting, the Genetics Society of Israel. *Gene expression and epigenetic regulation in neutrophils from hemodialysis patients as early markers for atherosclerosis.* (poster presentation)

*June 2016. NGS & the Clinics. *A novel NGS panel for carrier screening in Israel population.* Glilon, Israel.

*2017. ASHG, 170120065. *Carrier screening for 316 monogenic* recessive *diseases revealed high carrier frequency of rare known pathogenic mutations* (with Horn-Saban, S., Kellerman, E., Ronen, J., & Gershoni, R). (poster presentation).

*2018. ASHG. *Genotyping by NGS of 1200 known pathogenic mutations for extensive Carrier screening of 228 monogenic recessive diseases helps avoid reporting VUS* (with Horn-Saban, S., & Gershoni, R.). (poster presentation).

I. Non-Academic Activity & Positions

1991-95	Research and development in AMRAD, a kibbutz-owned company for creating new economic enterprises (biotechnology, medical services & industry).
1992-98	Chairman of Jewish Agency Committee for new enterprises in northern Israel. Judgment and approval of hundreds of new economic enterprises operating on budgets of $3,000,000 per annum.
1997-98	Coordinator of the Young Galilee Leaders Business and Economic Forum sponsored by Partnership 2000.
2001-2013	Head of lab, MIGAL - Galilee Technology Center, human molecular genetics, DHPLC mutation analysis in humans, pharmacogenetics
2001-2003	Head of research, Genetic Research Lab, Sourasky Medical Center, Tel-Aviv, Genetic testing of development using DHPLC
2009	Scientific director, Galil Genetic Analysis laboratory (GGA), genetic diagnostics
2009	Founder and scientific director of the Galil Genetic Analysis laboratory (the largest independent genetic lab in Israel).

J. **Attached Documents**

Letters of recommendation.

Publications (* = published since last promotion)

1. **M.Sc. thesis**

The possible involvement of the chicken bursa on feed control. Department of Animal Science, Hebrew University of Jerusalem. Supervisors: Prof. Nachum Snapir and Dr. Geoffrey Goodman. Degree received: 1993. With distinction.

2. **Ph.D. thesis**

The effect of the Homeobox gene on quantitative traits in poultry. Department of Genetics, Hebrew University of Jerusalem. Supervisor: Prof. Yosef Gruenbaum. Degree received: 1998.

3. **Books**
4. **Edited books**
5. **Articles in refereed journals**

(h-index = 26;
(https://www.scopus.com/authid/detail.uri?authorId=6701761482) (IF = 5-years – Impact Factor)

Published and accepted for publication

1. Khatib, H, **Berkovitz, D.,** Ratz, T, Plotsky, Y, Fainsod, A and Gruenbaum, Y. (1995). Mapping the CdxA gene to a new linkage group in chickens. *Animal Genetics, 26*, 211. ((1-page publication)
2. Pitcovski, J., Ohana, N., Amzaleg, S., Krispel, D., **Bercovich, D.,** & Pinchasov, Y. (1997). Identification of a starting point of breast skin tears during chicken plucking. *Poultry Science*, *7,* 405-409. IF:2.089 (6/58 – Agriculture, Dairy & Animal Science; Q1) Cited 1 time (Cite Score = 2.04 (2016))
3. Pitcovski, J., **Bercovich, D.**, Azar, M., Gotfrid, Y., & Bendhaim, U. (1998). Comparison of raising budgerigars by both parents or by the male only. *Journal of Avian Medicine & Surgery, 12*(4), 263-267. IF:0.68 (97/136 – Veterinary Sciences; Q3) Cited 0 time (Cite Score = 0.53 (2016))
4. **Bercovich, D.**, Plotsky, Y., & Gruenbaum, Y. **(1999).** Improved protocol for using avian red blood cells as substrates for the polymerase chain reaction. *Biotechniques*, *26*(6),1080-1082. IF:2.713 (50/77 – Biochemistry Research Methods; Q3) Cited 1 time (Cite Score = 1.16 (2016))
5. **Bercovich, D.**, Regev, R., Ratz, T., Gruenbaum, Y., Luder, A., & Plotsky, Y. (1999). The quantitative ratio of primer pairs and annealing temperature affect PCR products in multi-band amplification. *Biotechniques*, *27*(4), 762-764, 766-768, 770. IF:2.713 (50/77 – Biochemistry Research Methods; Q3) Cited 8 times (Cite Score = 1.16 (2016))
6. **Bercovich, D**., Lev-Lehman, E., & Beaudet, A. L. (2000). Denaturing High Performance Liquid Chromatography (DHPLC) used in the detection of mutations and

polymorphism in the UBE3A gene. *American Journal of Human Genetics, 67*(4), 1339 Suppl. 2 Oct. 2000. (1-page publication)

7. Lev-Lehman, E., **Bercovich, D.,** Xu, W., & Beaudet A. L. (2000). Megacystic, Microcolon, Hypoperistalsis (MIMIHS) and pseudo-obstruction syndrome: Searching for the human genes. *American Journal of Human Genetics, 67*(4), 2192 Suppl. 2 Oct. 2000. (1-page publication)
8. Lev-Lehman, E., **Bercovich**, **D.,** Xu, W., & Beaudet, A. L. (2001). Characterization of the human 4 nicotinic acetylcholine receptor gene (CHRNB4) and polymorphisms in CHRNA3 and CHRNB4. *Journal of Human Genetics, 46*, 362-366. IF: 2.358; 85/166 - Genetics & Heredity; Q3) Cited 22 times (Cite Score = 2.18 (2016))
9. Kashork, C. D., Stockton, D. W., Sahoo, T., **Bercovich, D.,** Shaffer, L. G., & Beaudet, A. L. (2002). Genetics of autism: Identification of chromosomal abnormalities and susceptibility loci on chromosome 15q in autism families. *American Journal of Human Genetics, 71*(4), 1793 Suppl. S Oct., 2002. (1-page publication)
10. Shlush, L. I., Behar, D. M., Zelazny, A., Keller, N., Lupski, J. R., Beaudet, A. L., & **Bercovich, D**. (2002). Molecular epidemiological analysis of the changing nature of a Meningococcal outbreak following a vaccination campaign**.** *Journal of Clinical Microbiology, 40*(10), 3565-3571. IF: 3.85 (33/124 – Microbiology; Q2) Cited 28 times (Cite Score = 3.57 (2016))
11. Rennert, H., **Bercovich, D.**, Hubert, A., Abeliovich, D., Rozovsky, U., Bar-Shira, A., Soloviov, S., Schreiber, L., Matzkin, H., Rennert, G., Kadouri, L., Peretz, T., Yaron, Y., & Orr-Urtreger, A**.** (2002). A novel founder mutation in the RNASEL Gene, 471delAAAG, is associated with prostate cancer in Ashkenazi Jews. *American Journal of Human Genetics, 71*(4), 981-984. IF: 10.362 (8/166 – Genetics & Heredity; Q1) Cited 95 times (Cite Score = 8.43 (2016))

12. Bodamer, A. O., **Bercovich, D.,** Schlabach, M., Ballantyne, C., Zoch, D., & Beaudet, A. L. (2002). Use of denaturing HPLC to provide efficient detection of mutations causing familial hypercholesterolemia. *Clinical Chemistry*, *48*(11), 1913-1918. IF: 7.965 (1/30 – Medical Laboratory Technology; Q1) Cited 25 times (Cite Score = 3.54 (2016))
13. Gavert, N., Naiman, T., **Bercovich, D.,** Rozen, P., Shomrat, R., Legum, C., & Orr-Urtreger, A. (2002). Molecular analysis of the APC gene in 71 Israeli families: 17 novel mutations. *Human Mutation*, *19*(6), 64-66. IF: 4.809 (29/166 – Genetics & Heredity; Q1) Cited 31 times (Cite Score = 4.51 (2016))
14. Yaron, Y., Ben Zeev, B., Shomrat, R., **Bercovich, D.,** Naiman, T., & Orr-Urtreger, A. (2002). *MECP2* Mutations in Israel: Implications for molecular analysis, genetic counseling and prenatal diagnosis in Rett syndrome. *Human Mutation, 20*(4), 323-324. IF: 4.809 (29/166 – Genetics & Heredity; Q1) Cited 24 times (Cite Score = 4.51 (2016))
15. Arredondo, J., Nguyen, V., Chernyavsky, A. I., **Bercovich, D.,** Orr-Urtreger, A., Kummer, W., Lips, K., Vetter, D. E., Beaudet, A. L., & Grando, S. A. (2002). Central role of alpha-7 nicotinic receptor in differentiation of the stratified squamous epithelium. *Journal of Cell Biology*, *159*(2), 325-336. IF: 9.306 (27/189 – Cell Biology; Q1) Cited 106 times (Cite Score = 6.83 (2016))
16. **Bercovich, D.**, & Beaudet, A. L. (2003). *UBE3A* mutation analysis by DHPLC. *Genetics Testing*, *7*(3) 189-194. IF: 1.488 (114/156 – Genetics & Heredity; Q3) Cited 21 times (Cite Score = 1.34 (2016))
17. Rainis, L., **Bercovich, D.,** Strehl, S., Teigler-Schlegel, A., Stark, B., Trka, J., Amariglio, N., Biondi, A., Muler, I., Rechavi, G., Kempski, H., Haas, O. A., & Izraeli, S. (2003). Mutations in exon 2 of GATA1 are early events inmegakaryocytic malignancies associated with trisomy 21. *Blood*, *102*(3), 981-986. IF: 10.891 (2/70 – Hematology; Q1) Cited 190 times) (Cite Score = 6.93 (2016))

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7. **Refereed conference proceedings**

8. **Other articles (in collections or non-refereed journals)**

9. **Articles in preparation**

K. Miscellaneous

- **Public or other positions in professional fields**.
- **Special contribution to the college or the community**.

  2008-2017 *Free lectures in molecular genetic technologies: In the youth science-seeking program at Tel Hai College and in high schools in northern Israel.

- **Non-academic achievements.**

  Patents (Provisional)

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- **Membership in editorial boards of journals.**

- **Organization of conferences**.

  Next Generation Sequencing & the Clinics, Glilon, Israel, Jun 2016.

- **Prizes.**

  *Initiation and guidance of the Danziger High School in Kiryat Shmona, which **won the gold medal of the IGEM** (November 2016) competition at the Harvard Medical School in Boston, for the development of a chip to identify a genetic profile for sensitivity to taste and the possibility of enzymatic change of sensitivity this.

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Full name, academic rank, name of institution, address of institution, phone, fax and e-mail of reference