

CURRICULUM VITAE

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Education:

- 1995-2000 **Ph.D.**, Department of Molecular Microbiology and Biotechnology, George S. Wise Faculty of Life Science, Tel-Aviv University, Tel-Aviv, Israel.
Ph.D. thesis: Perspective on the biogenesis of the integral membrane protein bacteriorhodopsin. Prof. Moshe Mevarech, Advisor.
- 1993-1995 **M.S.**, Department of Molecular Microbiology and Biotechnology, George S. Wise Faculty of Life Science, Tel-Aviv University, Tel-Aviv, Israel.
M.S. thesis: Analysis of the transfer of plasmids in the genetic transfer system of archaeobacterium *Haloferax volcanii*. Prof. Moshe Mevarech, Advisor.
- 1991-1993 **B.S.**, George S. Wise Faculty of Life Science, Tel-Aviv University, Tel-Aviv, Israel.

Professional and Teaching Experience:

- 2003-present Post-Doctoral Researcher. Department of Biology, Northeastern University, Boston, USA.
- 2000-2003 Post-Doctoral Researcher. Department of Microbiology and Molecular Genetics, Harvard Medical School, Boston, USA.
- 1997-1999 Teaching Assistant. Microbiology. Department of Molecular Microbiology and Biotechnology, Tel-Aviv University, Israel.
- 1994-1998 Research Assistant. "Combaact Diagnostic System, Inc.", Herzlia-Pituach, Israel.
- 1996 Teaching Assistant. Biotechnology. Department of Molecular Microbiology and Biotechnology, Tel-Aviv University, Israel.
- 1993-1995 Teaching Assistant. Genetic Analysis. Department of Molecular Microbiology and Biotechnology, Tel-Aviv University, Israel.

Presentations & Speaking Engagements

- 2002 Poster presentation, "Genomics and Genetics of Microbial Systems". France.
- 2001 Guest speaker. Department of Molecular Microbiology and Biotechnology, Tel-Aviv University, Israel.

- 2001 Poster presentation. "Cellular Implications of Redox Signaling" International Conference. Italy.
- 1999 Oral presentation. Annual Meeting of Biotechnology Institute of Tel-Aviv University. Israel.
- 1999 Poster presentation. Gordon Conference "Archaea: Ecology, Metabolism and Molecular Biology". USA.
- 1998 Poster presentation. "8th International Symposium on the Genetics of Industrial Microorganisms." Israel.
- 1998 Poster presentation. Annual Meeting of the Biotechnology Institute of Tel-Aviv University. Israel.
- 1997 Poster presentation. Annual Meeting of the Biotechnology Institute of Tel-Aviv University. Israel.
- 1996 Poster presentation. Gordon Conference "Archaea: Ecology, Metabolism and Molecular Biology." USA.

Awards

- 1998 "Trozki Family Fund" Award. Faculty of Life Sciences, Tel-Aviv University.
- 1999 "Joan and Jaime Constantiner Institute for Molecular Genetics" Award for participation in the Gordon Conference ("Archaea: Ecology, Metabolism and Molecular Biology", USA).
- 2000-2002 "Dorot Foundation" Postdoctoral Fellowship.

Military Service:

- 1987-1989 USSR Armed Forces
- 1995 Israeli Defense Forces

Languages: Hebrew, English, Russian

PUBLICATIONS

1. Ortenberg, R., and Beckwith, J. (2003) Functions of thiol-disulfide oxidoreductases in *E.coli*: redox myths, realities, and practicalities. *Antioxidants and Redox Signaling*, 5(4).
2. Bitan-Banin, G., Ortenberg, R., Mevarech, M. (2003) Development of a gene knockout system for the halophilic archaeon *Haloferax volcanii* by use of the *pyrE* gene. *J. Bacteriol.*, 185(3): 772-778.
3. Giladi, M., Bitan-Banin, G., Mevarech, M., Ortenberg, R. (2002) Genetic evidence for a novel thymidylate synthase in the halophilic archaeon *Halobacterium salinarum* and in *Campylobacter jejuni*. *FEMS Microbiol. Lett.*, 216(1): 105-109.
4. Ortenberg, R., and Mevarech, M. (2000) Evidence for post-translational membrane insertion of the integral membrane protein Bacteriorhodopsin expressed in the heterologous halophilic archaeon *Haloferax volcanii*. *J. Biol. Chem.*, 275(30): 22839-46.
5. Ortenberg, R., Rozenbatt-Rosen, O., Mevarech, M. (2000) The extremely halophilic archaeon *Haloferax volcanii* has two very different dihydrofolate reductases. *Mol. Microbiol.*, 35(6): 1493-1505.
6. Nomura, S., Kajimura, N., Matoba, K., Miyata, R., Ortenberg, R., Mevarech, M., Kamikubo, H., Kataoka, M. and Harada, Y. (1999) Ordered structure formation of Bacteriorhodopsin-hDHFR in a plasma membrane. *Langmuir*, 15: 214-220.
7. Ortenberg, R., Tchelet, R., and Mevarech, M. (1998) A model for the genetic exchange system of the extremely halophilic archaeon *Haloferax volcanii*. In: *Microbiology and Biogeochemistry of Hypersaline Environments*. (A. Oren ed.) CRC Press. pp. 331-338.