

DR. GERA NEUFELD, BIOGRAPHICAL SKETCH.

NAME: Gera Neufeld **POSITION TITLE:** Professor at the Department of Medicine, Technion.

EDUCATION

<u>Degree</u>	<u>Year</u>	<u>Department</u>	<u>Institute and location</u>
B.Sc.	1974	Chemistry,	The Hebrew University of Jerusalem, Israel.
M.Sc	1977	Pharmacology	The Hebrew University of Jerusalem, Israel.
B. Pharm.	1984	Pharmacy,	The Hebrew University of Jerusalem, Israel.
Ph.D.	1985	Biochemistry,	The Hebrew University of Jerusalem, Israel.

RESEARCH AND PROFESSIONAL EXPERIENCE

- 1979-1984: Instructor In the department of Biological Chemistry, The Hebrew University of Jerusalem.
- 1984-1987: Postdoctoral fellow in the laboratory of Prof. Denis Gospodarowicz at the Cancer Research Institute, University of California at San-Francisco.
- 1987-1992: Senior lecturer, Department of Biology, Technion, Israel Institute of Technology, Haifa, Israel.
- 1992-1993: Senior lecturer (with tenure), Department of Biology, Technion, Israel Institute of Technology, Haifa, Israel.
- 1994-1996 Associate Professor, Department of Biology, Technion, Israel Institute of Technology, Haifa, Israel.
- 1996-1997 Visiting Scientist. National Institutes of Health (sabbatical in the laboratory of Dr. Hynda Kleinman).
- 1997-1999 Associate Professor, Department of Biology, Technion, Israel Institute of Technology, Haifa, Israel.
- 1999-2002 Professor, Department of Biology, Technion, Israel Institute of Technology, Haifa, Israel.
- 2000-2002 Dean, Department of Biology, Technion, Israel Institute of Technology, Haifa, Israel.
- 2003-Present Professor, Department of Anatomy and Cell Biology, Faculty of Medicine, Technion, Israel Institute of Technology, Haifa, Israel.

FIVE RELEVANT PUBLICATIONS

1. Soker, S., Takashima, S., Miao, H.Q. Neufeld, G., and Klagsbrun, M. (1998) Neuropilin-1 is expressed by endothelial and tumor cells as an isoform-specific receptor for vascular endothelial growth factor. *Cell*, 92, 735-745
2. Gluzman-Poltorak, Z., Cohen, T., Herzog, Y., and Neufeld, G. (2000) Neuropilin-2 and neuropilin-1 are receptors for the 165-amino acid form of vascular endothelial growth factor (VEGF) and of placenta growth factor-2, but only neuropilin-2 functions as a receptor for the 145-amino acid form of VEGF. *J. Biol. Chem.*, 275, 18040-18045.
3. Kessler, O., Shraga-Heled N, Lange, Noga Gutmann-Raviv, Edmond Sabo, T., Baruch, L., Machluf, M. and Neufeld, G. (2004) Semaphorin-3F is an inhibitor of tumor angiogenesis. *Cancer Res.*, 64, 1008-1015.
4. Shraga-Heled, N., Kessler, O., Prahst, C., Kroll, J., Augustin, H.G. and Neufeld, G. (2007) Neuropilin-1 and neuropilin-2 enhance VEGF₁₂₁ stimulated signal transduction by the VEGFR-2 receptor. *FASEB J.*, 21, 915-926
5. Gutmann-Raviv, N., Shraga-Heled, N.,Guimaraes-Sternberg, C., Kessler, O. and Neufeld, G. (2007) semaphorin-3A and semaphorin-3F work together to repel endothelial cells and to inhibit their survival by induction of apoptosis. *J. Biol. Chem.*, 282, 26294-26305.

