CURRICULUM VITA
Lina Mizrachi

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Education

1970-1972 Qualified Medical Lab Technician, Hadassah College, Jerusalem.

1981-1985 B.Sc. in Biology, The Hebrew University, Jerusalem.

1986-1989 M.Sc. in Molecular Biology, Department of Molecular Virology, The Hebrew University Medical School, Jerusalem. Adviser: Prof. R. Kampffer.

Research experience

1972-1982 Technician, Department of Chemical Biology, The Hebrew University, Jerusalem. Worked with Prof. M. Schram. Participated in studies on the enzyme Adenylate Cyclase, and with Prof. Y.Orly. Participated in studies on the role of ovarian substance in cultured follicular granulosa cells.

1986-1989 M.Sc. Thesis: "Post transcriptional regulation of IL-2 gene in Human". Used molecular biology techniques including Northen blot, Southern blot, dot blot.

1991-1993 Research Assistant in Hadassah Hospital and Shiba Hospital with Prof. Y Stein and Prof. S.Eizenberg. The subject was lipid metabolism using molecular biology techniques.

1998-2000 Department of Chemical Biology, The Hebrew University, Jerusalem. Worked with W. Stein. Participated in studies aimed at developing a diagnostic kit for blocking MDR in chemotherapy treatments.

2000-present Research assistant at the Gene Therapy Institute, Hadassah Hospital, Jerusalem. Fields of research I was involved in included: Preparing homemade macroarrays, providing service for Affymetrix microarrays, participating in studies of tumor development in a murine model of inflammation-mediated hepatocarcinogenesis, investigating the RNA cargo of extracellular vesicles derived from Ovarian Carcinoma cell lines and ascites fluid.

List of Publications

1. Radiation-Induced Loss of Salivary Gland Function Is Driven by Cellular Senescence and Prevented by IL6 Modulation.
   Marmary Y, Adar R, Gaska S, Wygoda A, Maly A, Cohen J, Eliashar R, **Mizrachi L**, Orfaig-Geva C, Baum BJ, Rose-John S, Galun E, Axelrod JH.
   Cancer Res. 2016 Mar 1;76(5):1170-80.
2. Galectin-1 is essential for efficient liver regeneration following hepatectomy.
   Potikha T, Ella E, Cerliani JP, **Mizrahi L**, Pappo O, Rabinovich GA, Galun E, Goldenberg DS.
   Oncotarget. 2016 May 31;7(22):31738-54.
3. Chronic liver inflammation modifies DNA methylation at the precancerous stage of murine hepatocarcinogenesis.
   Stoyanov E, Ludwig G, **Mizrahi L**, Olam D, Schnitzer-Perlman T, Tasika E, Sass G, Tiegs G, Jiang Y, Nie T, Kohler J, Schinazi RF, Vertino PM, Cedar H, Galun E, Goldenberg D.
   Oncotarget. 2015 May 10;6(13):11047-60.
4. Interstrain differences in chronic hepatitis and tumor development in a murine model of inflammation-mediated hepatocarcinogenesis.
   Potikha T, Stoyanov E, Pappo O, Frolov A, **Mizrahi L**, Olam D, Shnitzer-Perlman T, Weiss I, Barashi N, Peled A, Sass G, Tiegs G, Poirier F, Rabinovich GA, Galun E, Goldenberg D.
   Hepatology. 2013 Jul;58(1):192-204.

5. HCV tumor promoting effect is dependent on host genetic background.
   Klopstock N, Katzenellenbogen M, Pappo O, Sklair-Levy M, Olam D, **Mizrahi L**, Potikha T, Galun E, Goldenberg D.
   PLoS One. 2009;4(4):e5025.
6. MicroRNA expression patterns and function in endodermal differentiation of human embryonic stem cells.
   Tzur G, Levy A, Meiri E, Barad O, Spector Y, Bentwich Z, **Mizrahi L**, Katzenellenbogen M, Ben-Shushan E, Reubinoff BE, Galun E.
   PLoS One. 2008;3(11):e3726.
7. Molecular mechanisms of liver carcinogenesis in the mdr2-knockout mice.
   Katzenellenbogen M, **Mizrahi L**, Pappo O, Klopstock N, Olam D, Jacob-Hirsch J, Amariglio N, Rechavi G, Domany E, Galun E, Goldenberg D.
   Mol Cancer Res. 2007 Nov;5(11):1159-70.
8. Molecular mechanisms of the chemopreventive effect on hepatocellular carcinoma development in Mdr2 knockout mice.
   Katzenellenbogen M, **Mizrahi L**, Pappo O, Klopstock N, Olam D, Barash H, Domany E, Galun E, Goldenberg D.
   Mol Cancer Ther. 2007 Apr;6(4):1283-91.
9. Multiple adaptive mechanisms to chronic liver disease revealed at early stages of liver carcinogenesis in the Mdr2-knockout mice.
   Katzenellenbogen M, Pappo O, Barash H, Klopstock N**, Mizrahi L,** , Olam D, Jacob-Hirsch J, Amariglio N, Rechavi G, Kohen R, Domany E, Galun E, Goldenberg D.
   Cancer Res. 2006 Apr 15;66(8):4001-10.
10. Ovarian substance induces steroid production in cultured granulosa cells.
    Orly J, Farkash Y, Hershkovits N, **Mizrahi L**, Weinberger P
    In Vitro. 1982 Dec;18(12):980-9.
11. Cyclic nucleotide phosphodiesterase inhibitor, 3-isobutyl-1-methylxanthine, induces cytodifferentiation of follicular granulosa cells cultured in serum-free medium.
    Weinberger-Ohana P, Goldschmit D, **Mizrachi L**, Orly J.
    Endocrinology. 1984 Dec;115(6):2160-9.