

CURRICULUM VITAE

Michal Zucker, Ph.D

The Amalia Biron Research Institute
Of Thrombosis and Hemostasis
Sheba Medical Center
Tel Hashomer 52621
Israel

Tel: +972-3-530-2105

Fax: +972-3-535-1568

Mail: michal.zucker@sheba.health.gov.il

Education

- 1997-2001 Ph.D. – Physiology and Pharmacology, Sackler Faculty of Medicine, Tel Aviv University, Israel
- 1994-1996 M.Sc. - Physiology and Pharmacology, Sackler Faculty of Medicine, Tel Aviv University, Israel
- 1991-1994 B.Sc. – Life Sciences, Bar-Ilan University, Ramat-Gan, Israel

Research projects

- Identification of mutations causing FXI deficiency.
- Characterization of FXI mutations expressed in cells and measurements of FXI antigen and activity in cell lysates and media in order to understand the FXI structure-function relationship.
- Identification of the amino acids in the apple 4 domain of FXI that are involved in the FXI homodimerization.
- Characterization of exonic mutations in the *F11* gene that lead to alternative splicing.

Publications

1. Characterization of high-affinity [³H]TBZOH binding to human platelet vesicular monoamine transporter. **Zucker M.**, Weizman A., Rehavi M. 2001, Life Sciences 69;2311-2317
2. Changes in vesicular monoamine transporter (VMAT2) and synaptophysin in rat substantia nigra and prefrontal cortex induced by psychotropic drugs. **Zucker M.**, Weizman A, Harel D., Rehavi M. 2001, Neuropsychobiology 44;187-191.

3. Increased platelet vesicular monoamine transporter density in adult schizophrenia patients **Zucker M.**, Valevsky A., Weizman A., Rehavi M. 2002, European Neuropsychopharmacology 12;343-347.
4. Elevated platelet vesicular monoamine transporter density in major depressed patients. **Zucker M.**, Aviv A., Shelef A., Weizman A., Rehavi M. 2002, Psychiatry Research 112;251-256.
5. Repeated swim stress leads to down-regulation of vesicular monoamine transporter 2 in rat brain nucleus accumbens and striatum. **Zucker M.**, Weizman A., Rehavi M. 2005, European Neuropsychopharmacology 15:199-201.
6. Platelet vesicular monoamine transporter density in untreated patients diagnosed with social phobia Laufer N., **Zucker M.**, Hermesh H., Marom S., Gilad R., Nir V., Weizman A., Rehavi M. 2005, Psychiatry Research 136:247-250.
7. Characterization of 7 novel mutations causing FXI deficiency. **Zucker M.**, Zivelin A., Landau M., Salomon O., Kenet G., Bauduer F., Samama M., Conard J., Denninger M.H., Hani A., Berruyer M., Feinstein D., Seligsohn U. Haematologica the Hematology Journal. 2007, 92(10):1375-1380.
8. Induction of an inhibitor antibody to factor XI in a patient with severe inherited factor XI deficiency by Rh immune globulin. **Zucker M.**, Zivelin A., Teitel J., Seligsohn U. Blood. 2008, 111:1306-1308.
9. Three residues at the interface of factor XI monomers augment covalent dimerization of factor XI. **Zucker M.**, Zivelin A., Landau M., Rosenberg N., Seligsohn U. 2009, J Thromb Hemost. 2009, 7(6):970-975.
10. Patients with severe factor XI deficiency have a reduced incidence of deep-vein thrombosis. Salomon O., Steinberg DM., **Zucker M.**, Varon D., Zivelin A., Seligsohn U. Thromb Haemost 2010, 105(2).