

Curriculum Vitae: Ms. Maayan SHINER

Name: Maayan SHINER

Date & Place of birth: September 3rd, 1977, Israel.

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Education

2001: B.Sc. in Biochemistry, Ben-Gurion University, Faculty of Natural Science.

2007: Ph.D. in Medical Science, Faculty of Medicine, Technion, Israel Institute of Technology; Thesis in Lipid Research & Atherosclerosis (Regulation of Macrophages PON2 Expression).

Teaching

2007-date Research Assistant. Studying the Renin-Angiotensin-Aldosterone (RAAS): cardiovascular effects and interactions.

2007-date Research Assistant. Studying the effects of Paraoxonases on diabetes development.

2004-date Assistant lecturer in the course "Clinical Biochemistry", Faculty of Medicine, Technion, Israel Institute of Technology (under the supervision of Nobel Prize Laureate Prof. Avram Hershko).

Awards & Scholarships

2003 - The 9th annual meeting of the Israeli society for research, prevention, and treatment of atherosclerosis. Eilat, Israel. The best scientific lecture.

2006 – The 40th annual meeting of the Israel Society for clinical laboratory science. Tel-Aviv, Israel. Scholarship.

Research Affiliation

Israel Atherosclerosis Society.

Israel Society for Oxygen and Free Radicals Research.

Israel Society for Medical Laboratory Science.

Oral Presentations at National and International Meetings

1. Maayan Shiner, Bianca Furhman, Michael Aviram "Paraoxonase 2 (PON2) Expression is Up-Regulated during In-Vivo Maturation of Monocytes to Macrophages: A Role for Oxidative Stress". *The 9th annual meeting of the Israeli society for research, prevention and treatment of atherosclerosis*. **Israel October 23-26, 2003.**
2. Maayan Shiner, Bianca Furhman, Michael Aviram. "Paraoxonase 2 expression is upregulated via an NADPH oxidase-dependent mechanism during monocytes differentiation into macrophages". *The Annual Meeting of the Israel Society for Medical Laboratory Science*, **Israel, January 27-28, 2004.**
3. Maayan Shiner, Bianca Furhman, Michael Aviram. "Paraoxonase 2 expression is upregulated via an NADPH oxidase-dependent mechanism during monocytes differentiation into macrophages". *The First International Conference on Paraoxonases: Basic and Clinical Directions of Current Research*. University of Michigan, Ann Arbor, Michigan, **USA, April 22-24, 2004.**
4. Maayan Shiner, Bianca Furhman, Michael Aviram. "Paraoxonase 2 Expression is Up-Regulated by Cellular Oxidative Stress during Monocytes Differentiation into Macrophages". *The annual meeting of the Israeli society for research, prevention and treatment of atherosclerosis*. **Israel, May 28, 2004.**
5. Maayan Shiner, Bianca Furhman, Michael Aviram. "Macrophage Paraoxonase 2 (PON2) Expression is Up-regulated by Pomegranate Juice Phenolic Antioxidants via PPAR gamma and AP-1 Pathway Activation" *The 11th annual meeting of the Israeli society for research, prevention and treatment of atherosclerosis*. **Israel, October 19-22, 2006.**

Abstracts Presented at National and International Meetings

1. Maayan Shiner, Bianca Fuhrman and Michael Aviram "Paraoxonase 2 (PON2) Expression is Up-Regulated during In-Vivo Maturation of Monocytes to Macrophages: A Role for Oxidative Stress" *The Annual Meeting of the Israel Society for Oxygen and Free Radical Research*, **Israel, December 21, 2003.**
2. Maayan Shiner, Bianca Fuhrman and Michael Aviram "Paraoxonase 2 (PON2) Expression is Up-Regulated during In-Vivo Maturation of Monocytes to Macrophages: A Role for Oxidative Stress" *The Annual Meeting of the Israel Society for Medical Laboratory Science*, **Israel, January 27-28, 2004.**
3. Maayan Shiner, Bianca Fuhrman and Michael Aviram "Paraoxonase 2 expression is upregulated via an NADPH oxidase-dependent mechanism during monocytes differentiation into macrophages" *The Annual Meeting of the European Atherosclerosis Society*, **Spain, April 17-20, 2004.**
4. Maayan Shiner, Bianca Fuhman, Michael Aviram. "Macrophage Paraoxonase 2 (PON2) Expression Is Up-regulated By Pomegranate Juice-derived Polyphenols: Involvement Of PPAR Gamma And AP-1 Pathways". *2nd International conference on Paraoxonases*, **Hungary, September 7-10, 2006.**

List of Publications

1. Fuhrman B., Volkova N., **Ben-Dor M.** "Cellular oxidative stress increases during differentiation of monocytes into macrophages: Studies in vitro and in a novel in vivo murine model." *SFRR-Europe Meeting 2003, Free radicals and oxidative stress: Chemistry, Biochemistry and Pathophysiological Implications*, Ioannina, Greece, 26-29 June 2003.
2. Fuhrman B., **Shiner M.**, Volkova N., Aviram M. "Cell-induced copper ion-mediated low density lipoprotein oxidation increases during in vivo monocyte-to-macrophage differentiation. *Free Radic Biol Med.* 2004; 37(2):259-71.
3. **Shiner M.**, Fuhrman B., Aviram M. "Paraoxonase 2 expression is upregulated via an NADPH oxidase-dependent mechanism during monocytes differentiation into macrophages". *Free Radic Biol Med.* 2004; 37(12):2052-2063.
4. **Shiner M.**, Fuhrman B., Aviram M. "A biphasic U-shape effect of Cellular Oxidative Stress on the Macrophage Anti-Oxidant Paraoxonase 2 (PON2) Enzymatic activity". *Biochem Biophys Res Commun.* 2006; 349(3):1094-9.
5. **Shiner M.**, Fuhrman B., Aviram M. "Macrophage Paraoxonase 2 (PON2) Expression is up-regulated by Pomegranate Juice-derived polyphenols: involvement of PPAR gamma and AP-1 pathways" (*Atherosclerosis*, In press).
6. **Shiner M.**, Fuhrman B., Aviram M. "Macrophage Paraoxonase 2 (PON2) Expression is Up-Regulated by Unesterified Cholesterol through Activation of the Phosphatidylinositol 3-Kinase (PI3K) Pathway". (*Biological Chemistry*, In Press).