

Curriculum Vitae

Name: Orit Rozenberg

Date of birth: February 26th, 1976.

Date & Place of birth: Haifa, Israel.

Marital status: Married + 1.

Education:

2002-2007 : PhD studies at the Lipid Research Laboratory, Medicine Faculty of the Technion – Israel Institute of Technology, under the supervision of Prof. Michael Aviram. Dissertation subject: The effect of paraoxonase (PON1) on macrophage foam cell formation and on the development of atherosclerosis.

2000-2002: MSc studies at the Lipid Research Laboratory, Medicine Faculty of the Technion – Israel Institute of Technology, under the supervision of Prof. Michael Aviram. Thesis subject: The effect of paraoxonase (PON1) on macrophage oxidative status and cholesterol biosynthesis.

1994-1997: BSc studies at the Faculty of Biology at the Technion – Israel Institute of Technology.

Professional experience:

2006- : Working at the Lipid Research Laboratory, Rambam Medical Center. Research subject: Paraoxonases and diabetes.

Teaching:

2002-2006 : A teacher assistance in the course "Clinical Biochemistry", Medicine Faculty, Technion. Supervisor: Avram Hershko

Awards and scholarships:

2007: Prize for the best poster presented at the annual meeting of the Israel Society for Medical Laboratory Science.

2006: The Katzir-Katchalsky Student Travel Fellowship for presenting a poster in the 2nd International Conference on Paraoxonases, Debrecen, Hungary.

2005: Scholarship awarded at the annual meeting of the Israel Society for Medical Laboratory Science.

2002: Prize for the best poster presented by young investigators at the annual meeting of the Israeli society for research, prevention and treatment of atherosclerosis.

Abstract Presentations at Meetings:

- Orit Rozenberg and Michael Aviram. Regulation of HDL-associated PON1 activity by S-glutathionylation. Poster presentation at *Israel Society for Medical Laboratory Science*. **February 2007.**
- Orit Rozenberg and Michael Aviram. Regulation of HDL-associated PON1 activity by S-glutathionylation. Poster presentation at *The 2nd International Conference on Paraoxonases, Debrecen, Hungary*. **September 2006.**
- Orit Rozenberg, Amy Howell and Michael Aviram. Pomegranate Juice Sugar Fraction Decreases Macrophage Oxidative Stress, in Contrast to Grape Juice Sugar Fraction. Poster presentation at *The Annual Meeting of the Israel Society for Medical Laboratory Science*. **February 2006.**
- Orit Rozenberg, Amy Howell and Michael Aviram. Pomegranate Juice Sugar Fraction Decreases Macrophage Oxidative Stress, in Contrast to Grape Juice Sugar Fraction. Poster presentation at *The Annual Meeting of the Israel Society for Oxygen and Free Radical Research*. **December 2005.**
- Orit Rozenberg, Amy Howell and Michael Aviram. Pomegranate Juice Sugar Fraction Decreases Macrophage Oxidative Stress, in Contrast to Grape Juice Sugar Fraction. Poster presentation at *The 11th annual meeting of the Israeli society for research, prevention and treatment of atherosclerosis*. **September 2005.**
- Orit Rozenberg and Michael Aviram. Paraoxonase 1 (PON1) decreases macrophage oxidative stress. Poster presentation at *The Annual Meeting of the Israel Society for Medical Laboratory Science*. **February 2005.**
- Orit Rozenberg and Michael Aviram. Paraoxonase 1 (PON1) decreases macrophage oxidative stress. Poster presentation at *The Annual Meeting of the Israel Society for Oxygen and Free Radical Research*. **December 2004**
- Orit Rozenberg, Diana M Shih and Michael Aviram. Paraoxonase 1 (PON1) attenuates macrophage oxidative status: Studies in PON1 transfected cells and in

PON1 transgenic mice. Oral presentation at *The 10th annual meeting of the Israeli society for research, prevention and treatment of atherosclerosis*. **October 2004**.

- Orit Rozenberg, Mira Rosenblat, Raymond Coleman, Diana M Shih and Michael Aviram. Paraoxonase (PON1) - Deficiency is associated with Increased Macrophage Oxidative Stress: studies in PON1 - knockout Mice. Oral presentation at *The Annual Meeting of the Israel Society for Oxygen and Free Radical Research*. **December 2002**
- Orit Rozenberg, Diana M Shih and Michael Aviram. Human serum Paraoxonase 1 (PON1) decreases macrophage cholesterol biosynthesis: A possible role for its phospholipase A₂ – like activity and lysophosphatidylcholine formation. Poster presentation at *The 8th annual meeting of the Israeli society for research, prevention and treatment of atherosclerosis*. **October 2002**.
- Orit Rozenberg, Diana M Shih and Michael Aviram. Human serum Paraoxonase 1 (PON1) decreases macrophage cholesterol biosynthesis: A possible role for its phospholipase A₂ – like activity and lysophosphatidylcholine formation. Poster presentation at *The Annual Meeting of the Israel Society for Medical Laboratory Science*. **February 2002**.

Publications:

- Rozenberg O, Aviram M. S-Glutathionylation regulates HDL-associated paraoxonase 1 (PON1) activity. *Biochem Biophys Res Commun*. 2006; 351:492-498.
- Rozenberg O, Howell A, Aviram M. Pomegranate juice sugar fraction reduces macrophage oxidative state, whereas white grape juice sugar fraction increases it. *Atherosclerosis*. 2006; 188:68-76.
- Rozenberg O, Shih DM, Aviram M. Paraoxonase 1 (PON1) attenuates macrophage oxidative status: Studies in PON1 transfected cells and in PON1 transgenic mice. *Atherosclerosis*. 2005 ;181:9-18.
- Rozenberg O, Shih DM, Aviram M. Human serum paraoxonase 1 decreases macrophage cholesterol biosynthesis: possible role for its phospholipase-A₂-like activity and lysophosphatidylcholine formation. *Arterioscler Thromb Vasc Biol*. 2003 ;23:461-467.

- Rozenberg O, Rosenblat M, Coleman R, Shih DM, Aviram M. Paraoxonase (PON1) deficiency is associated with increased macrophage oxidative stress: studies in PON1-knockout mice. *Free Radic Biol Med.* 2003 ;34:774-784.
- Rosenblat M, Grunfeld O, Hayek T, Aviram M. Serum paraoxonase activity and the extent of lipid peroxidation are not affected by increased levels of human apolipoprotein A-I: studies in transgenic mice. *Clin Chem Lab Med.* 2002;40:9-14.