

Aviram Michael

Current Position: Head, Lipid Research Laboratory. Director, Legacy Clinical Research Institute. Technion Rappaport Faculty of Medicine, and Rambam Medical center, Haifa, Israel.

Education:

1966-1970	Faculty of Chemistry, Technion, Haifa	Chemistry	B.Sc.
1973-1975	Faculty of Medicine, Technion, Haifa	Clinical Biochemistry	M.Sc.
1975-1978	Faculty of Medicine, Technion, Haifa	Clinical Biochemistry	D.Sc.
1978-1980	M.I.T. Cambridge, MA, U.S.A.	Atherosclerosis	Post-Doc

Current Academic and Professional Position.

2004-present	Professor, Dept. of Biochemistry, Technion Faculty of Medicine, Head, Lipid Research Laboratory	
1991-present	The Rappaport Institute, Technion, Haifa, Israel	Member
2008-present	Legacy Heritage Clinical Research Institute at Rambam	Director

Teaching Experience: Biochemistry (General & Clinical). Technion Permanent Distinguished Lecturer.

Graduate Students: DSc/PhD (11), MSc (13), MD (15), Basic Training (26).

Research Interest: Lipoproteins, Cholesterol Metabolism in macrophages, and Cardiovascular Diseases: Role of Antioxidants and Paraoxonases.

Research Grants (Current)

2009-2011	Rappaport Institute Research Grant- \$90,000
2009-2011	Israel – Ukraine Ministries of Science and Technology –\$100,000.

Publications (select only five, since 2000)

- Aviram M., Dorenfeld L., Rosenblat M., Volkova N., Kaplan M., Hayek T., Presser D. and Fuhrman B. Pomegranate juice consumption reduces oxidative stress, atherogenic modifications to LDL, and platelet aggregation: studies in humans and in atherosclerotic apolipoprotein E-deficient mice. *Am J Clin Nutr* 71: 1062-1076 (2000).
- Aviram M., Hardak E., Vaya J., Mahmood S., Milo S., Hoffman A., Billecke S., Dragonov D. and Rosenblat M. Human serum paraoxonases (PON1) Q and R selectively decrease lipid peroxides in human coronary and carotid atherosclerotic lesions: PON1 esterase and peroxidase-like activities. *Circulation* 101: 2510-2517 (2000).
- Rozenberg O., Shih D.M. and 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* 23: 461-467 (2003).
- Rosenblat M, Gaidukov L, Khersonsky O, Vaya J, Oren R, Tawfik DS, Aviram M. The catalytic histidine dyad of high density lipoprotein-associated serum paraoxonase-1 (PON1) is essential for PON1-mediated inhibition of low density lipoprotein oxidation and stimulation of macrophage cholesterol efflux. *J Biol Chem*. 281: 7657-7665 (2006).
- Rosenblat M, Coleman R, Reddy ST, Aviram M. Paraoxonase 2 attenuates macrophage triglyceride accumulation via inhibition of diacylglycerol acyltransferase 1. *J Lipid Res* 50: 870-879 (2009).