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CURRICULUM VITA

EDUCATION

PhD (1973) Nutritional Biochemistry, University of Kerala, India

MS (1968) Biochemistry, Banaras Hindu University, India

BS (1966) Chemistry, University of Kerala, India

REAEARCH INTERESTS

Dr. Vijayagopal investigates the role of plasma lipoproteins and arterial wall proteoglycans in the pathophysiology of atherosclerosis using cell culture, animal models, and biochemical and molecular biology techniques. His research interest also includes studies of antiobesity compounds and the pathophysiology of the metabolic syndrome.

SELECTED PUBLICATIONS

Vijayagopal P, Menon PV: Varied low density lipoprotein binding property of proteoglycans synthesized by vascular smooth muscle cells cultured on extracellular matrix. *Atherosclerosis* 178:75, 2005.

Figueroa JE, Oubre J, Vijayagopal P: Modulation of vascular smooth muscle cell proteoglycan synthesis by the extracellular matrix. *J Cell Physiol* 198:302,2004.

Figueroa JE, Vijayagopal P, Prasad C: Azaftig stimulates in vitro lipolysis by rodent and human adipocytes. *Biochem Biophys Res Commun* 293:847,2002

Glancy DL, Shah A, Azzam R, Abourahma A, Kropog JF, Steinman W, Asfour W, Khuri B, Patel K, Vijayagopal P: Risk factors among medically indigent women \leq 45 years old with angiographically proven obstructive coronary arterial disease. *J La state Med Soc* 154:86,2002.

Glancy DL, Lopez-SA, Vijayagopal P: Is atherosclerosis reversible? Are we doing enough to reverse it? *J La state Med Soc* 154:126, 2002

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binding properties. *Atherosclerosis* 162:261, 2002

Vijayagopal P, Subramaniam P: Effect of calcium channel blockers on proteoglycan synthesis by vascular smooth muscle cells and low density lipoprotein-proteoglycan interaction. *Atherosclerosis* 157:353, 2001.

Figueroa JE, Tao Z, Sarphie TG, Smart FW, Glancy DL, Vijayagopal P: Effect of hypoxia and hypoxia-reoxygenation on proteoglycan metabolism by vascular smooth muscle cells. *Atherosclerosis* 143: 135,1999.

Figueroa JE, Vijayagopal P, Prasad A, Schapira DV, Prasad C: Isolation, characterization, and distribution of a 24 kd proteoglycan in the urine of cachectic cancer and AIDS patients. *Biochem Biophys Res Commun* 254:643,1999.

Figueroa JE, Vijayagopal P, Debata C, Prasad A, Prasad P: Azaftig, a urinary proteoglycan from cachectic cancer patients, causes profound weight loss in mice. *Life Sci* 64:1339, 1999.

Vijayagopal P, Figueroa JE, Levine EA: Altered composition and increased endothelial cell proliferative activity of proteoglycans isolated from breast carcinoma. *J Surg Oncol* 68:250,1998.

Knoebel E, Vijayagopal P, Figueroa JE, Martin DH: In vitro growth of *Chlamydia pneumoniae* in smooth muscle cells. *Infect Immunity* 65: 503, 1997.

Tao Z, Smart F, Figueroa JE, Glancy DL, Vijayagopal P: Elevated expression of proteoglycans in proliferating vascular smooth muscle cells. *Atherosclerosis* 135: 171,1997.

Tao Z, Smart FW, Figueroa JE, Glancy DL, Vijayagopal P: Enhanced synthesis of proteoglycans by vascular endothelial cells exposed to phorbol ester. *Life Sci* 61: 723,1997.

Vijayagopal P, Figueroa JE, Guo Q, Fontenot JD, Tao Z: Marked alteration of proteoglycan metabolism in cholesterol-enriched human arterial smooth muscle cells. *Biochem J* 315: 995, 1996.

Vijayagopal P, Glancy DL: Macrophages stimulate cholesteryl ester accumulation in co-cultured smooth muscle cells incubated with lipoprotein-proteoglycan complex. *Arterioscl Thromb Vascul Biol* 16: 1112, 1996.

