

رتبه دوم ایرانی مقیم خارج
Second Winner - Iranian Researcher Resident Abroad



Project Title:

Mechanisms of Lipid Disorders in Insulin Resistance

Researcher:

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Canada

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Abstract:

Insulin resistance is an extremely common pathophysiological trait that is implicated in the development of a number of important human diseases including type 2 diabetes, obesity, atherosclerosis, hypertension and dyslipidemia.

The researcher and associated laboratory has developed and characterized diet induced animal models of insulin resistance, whilst investigating the mechanism of lipo-protein over-production in the fructose-fed and fat-fed Syrian Golden hamster. They have gained considerable insight into the molecular and cellular mechanisms that may mediate the VLDL over-production observed in insulin resistance states.

They have identified a number of important genes/proteins that are involved in the induction of insulin resistance. The work has received considerable attention in the field world wide and many papers has been published in highly respected journals.