Vaspin in Obesity and Metabolic Diseases

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The main area of interest is research on adipose tissue derived molecules (adipokine) such as vaspin, focusing on their role in metabolism and in the pathogenesis of obesity and associated metabolic disorders. Understanding and subsequently modulating adipokine signalling is a promising approach to develop new strategies in the treatment of obesity and related diseases. In addition to the structural and functional analysis of the serpin-protease interaction, the focus of our research is the characterization of knock-out animal models to evaluate the physiological impact of lack of expression of these proteins or interacting molecules. Furthermore, we aim to identify adipokine induced proteins in target tissues such as liver and adipose tissue to investigate molecular mechanisms of adipokine regulation of cell differentiation and metabolism.

Keywords
- Adipokines
- Serpin-Protease Interactions
- Obesity and Metabolic Disorders

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Selected References
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