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Dissecting molecular networks of Leptin in breast cancer: Complexities and opportunities

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Abstract

Perturbations in the adipocytokines-profile, especially higher levels of leptin, are a major cause of breast tumor progression and metastasis. The focus of this talk is to discuss the impact of obesity on cancer with a special focus on breast cancer, discuss the underlying molecular mechanisms and discuss the potential therapeutic opportunities.

Biography

Dipali Sharma attained her PhD in Oncology followed by postdoctoral training at University of Maryland and Johns Hopkins University. Dr. Sharma is an Associate Professor of Oncology at Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins. Her lab focuses on investigating the molecular links between obesity and cancer, emphasizing aspects that have potential clinical significance. They are exploring new strategies to disrupt obesity-cancer connection using a variety of approaches. Their overall goal is to understand the molecular networks by which obesity affects carcinogenesis and discover novel agents to effectively disrupt obesity-cancer axis.