

Special Issue

The Interplay between Metabolism and Cancer and the Adipose Tissue Communication Signals

Message from the Guest Editors

A growing body of evidence points out to Metabolism and Cancer as tightly inter-related events. First, environmental cues should be considered. Indeed, environmental modifications may deeply affect cancer development and progression, by either impinging on initial phases of cellular transformation or changing cell trajectories toward aggressiveness. On the other end, metabolic perturbations are growing causes of disease. Based on the peculiar immune-metabolic features, the adipose tissue is a prime suspect for its active part in cancer and “metabolic” comorbidities. An important challenge will be to decipher the signals of the bi-directional communication between cancer and adipose tissue, being the latter one of the main component at the cancer site.

1. How macro- and micro-environmental modifications may contribute to cancer development and to adipose signals;
2. How cancer cell metabolism is relevant for cancer cell fate and outcome;
3. How cancer cells affect metabolic features of surrounding cells and overall metabolism;
4. How cancer cells and adipose tissue exchange information and communications.

Guest Editors

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Deadline for manuscript submissions

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