

Special Issue

Advances in Lung Cancer: The Potential Role of Healthy Lifestyle

Message from the Guest Editors

In lung cancer cohorts, there is a heterogeneity in the genetic susceptibility across lung cancer histological subtypes, possibly reflecting different underlying oncogenic molecular drivers. Recently, obesity was recognized as a major risk factor linked to both the incidence and progression of several cancer types. However, the molecular and cellular mechanisms, by which adipose tissue affects both tumor initiation and progression, have not yet been completely elucidated. Nevertheless, it is well known that, beyond the adipose tissue volume, the presence of either inflammation/adipocyte hypertrophy or hypoxia reflects the metabolic and inflammatory status involved in the disruption of local and systemic physiological body homeostasis. Adipocytes, through the production and secretion of different adipokines, while facilitating inter-organ crosstalk, indirectly affects the biology of tumor cells by regulating insulin resistance and inflammation. Given this evidence, it may be interesting and important to understand the molecular pathways and biological mechanisms which undergo the strong interaction between healthy lifestyle and lung cancer establishment and development.

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