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Advances in Lung Cancer: The Potential Role of Healthy Lifestyle

Guest Editors:

Dr. Rita Polito

Department of advanced medical and surgical sciences, Università degli Studi della Campania "Luigi Vanvitelli", 81100 Caserta, Italy

Dr. Gaetana Messina

Thoracic Surgery Unit, Università degli Studi della Campania "Luigi Vanvitelli", 81100 Caserta, Italy

Deadline for manuscript submissions:

closed (10 June 2022)

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.



mdpi.com/si/107851

Special Issue



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Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in
Biomedicine (IRB Barcelona), The
Barcelona Institute of Science
and Technology, 08028
Barcelona, Spain

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Contact Us

Life Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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