

Special Issue

Epigenetics in Diagnosis and Treatment of Cancer

Message from the Guest Editor

Epigenetic patterns, such as DNA methylation and non-coding RNA expression, can be causative factors of neoplasms. The recent development of NGS genomic techniques has significantly increased our knowledge of the epigenetic modifications involved in cancer. Indeed, numerous genes and molecular pathways that account for epigenetic differences between normal and tumor cells have been identified. Some aberrant epigenetic patterns are specific to certain tumors, which allows for their potential use as biomarkers. It is clear that epigenetics will play a crucial role in future cancer diagnostics and therapy. The current challenge is to collect and transform data into clinical practice and, contemporarily, to ensure the availability of sensitive and low-cost diagnostic tests. This Special Issue of *Diagnostics* intends to collect scientific contributions focused on the identification and clinical validation of epigenetic biomarkers for early tumor diagnosis and therapy. Contributions on applications related to liquid biopsy and the development of plasma cell-free DNA methylome techniques are also welcomed.

Guest Editor

Prof. Dr. Sandro Orru

Dipartimento di Scienze Mediche e Sanità Pubblica, Università di Cagliari, Ospedale Binaghi, Via Is Guadazzonis 3, 09126 Cagliari, Italy

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Diagnostics
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
diagnostics@mdpi.com

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Editor-in-Chief

Prof. Dr. Andreas Kjaer

Department of Clinical Physiology, Nuclear Medicine & PET National University Hospital, Rigshospitalet, University of Copenhagen, Blegdamsvej 9, DK-2100 Copenhagen, Denmark

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