

Special Issue

Recent Advancements in Biomarkers for Noncommunicable Diseases, 2nd Edition

Message from the Guest Editors

Noncommunicable diseases, among which cardiovascular diseases, cancer and diabetes are the most prominent, are believed to be the most common cause of death. An impaired lipid profile, hyperglycemia, hypertension and obesity are associated with the development of metabolic syndrome, with the most common consequences of it being cardiovascular diseases and type 2 diabetes, which can be linked to multiple non-modifiable (age, gender and genetic vulnerability) or modifiable risk factors, such as diet and lifestyle. Metabolic syndrome is also associated with an increased risk of malignancies. Establishing reliable molecular biomarkers for such pathologies is a challenge from both medicinal and pharmaceutical point of views. This Special Issue aims to focus on new advancements in the search of molecular biomarkers for noncommunicable diseases that will be vital for early detection, diagnosis, treatment and monitoring of diseases as well as for personalized and precision medicine. Identification of specific markers that correspond with certain lifestyles and the effectiveness of applied therapies for NCD patients are also of interest.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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