Special Issue

Biomarkers in Oral Health and Diseases: New Advances and Treatment Strategies

Message from the Guest Editors

The oral microbiome is a complex collection of microbial species, the balance of which contributes to the initiation and development of oral infectious disease processes, including dental caries, periodontitis and endodontic pathoses. The correct diagnosis permits to develop an adequate treatment plan. Blood and salivary biomarkers can be relevant in helping in this process. It can be applied in many medical subareas which can involve many types of systemic and oral diseases. Thus, this fact allows clinicians to make an informed decision on the diagnosis and treatment choice. Biomarkers exist in different forms belonging to five different fields: genomics transcriptomics proteomics interactomics and metabolomics. Changes in the concentration structure function or action of the various components can be associated with the onset progression or even regression of a disease. On this hand blood and salivary biomarkers serve as a valuable and attractive tool in the detection risk assessment diagnosis prognosis, monitoring of diseases and oral microoganisms.

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"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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