

## Special Issue

# Craniofacial Biomarkers and Dental Sciences

### Message from the Guest Editor

Biomarkers are found to be biological molecules in blood and different body fluids and indicate normal or abnormal processes and different diseases or conditions. These biomarkers can be quantified and analyzed to indicate health or predict or detect diseases. In dentistry, our ability to detect peri-implant and periodontal diseases is poor, i.e., they are usually detected after tissue damage. Biomarkers help in a simple, non-invasive way to recognize and diagnose diseases and monitor disease activity. Different biomarkers and cytokines can be quantified for the diagnosis and assessment of various dental diseases. In dentistry, orthodontic tooth movement, peri-implant diseases, and periodontal diseases trigger various biomarkers, which can be detected in gingival crevicular fluid. The main purpose of this Special Issue is to understand the role of biomarkers in different conditions of oral health, i.e., periodontal diseases, orthodontics, oral cancer, dental caries, and implant dentistry. Assessment of biomarkers along with clinical treatment can be used alternatively to manage detect and treat different dental conditions.

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### Guest Editor

Prof. Dr. Paul T. Sharpe

Centre for Craniofacial and Regenerative Biology, Faculty of Dentistry, Oral & Craniofacial Sciences, Guy's Hospital, King's College London, London, UK

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### Deadline for manuscript submissions

closed (20 February 2024)



## Journal of Functional Biomaterials

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### Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials (JFB)* is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

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### Editor-in-Chief

Prof. Dr. Pankaj Vadgama  
School of Engineering and Materials Science, Queen Mary University of London, London, UK

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