

Special Issue

Oral Health and Dental Tissue Regeneration

Message from the Guest Editors

Oral-derived stem cells have been found and investigated in several oral tissues, such as dental pulp and periodontal ligament, from gingiva or periapical cysts. Dental and oral-derived mesenchymal stem cells are promising for tissue engineering and regenerative medicine. Several researchers are working on smart and translational methods to ensure safe and predictable therapies based on stem cells and biomaterials: This would improve dental repairing and overall oral health. Lastly, the challenges have been to combine stem cells with biomaterials and growth factors. Nevertheless, the traditional techniques have also been improved to ensure a good predictability in the clinical scenario. This Special Issue aims to give a clear point of view of state-of-the-art developments, with some exciting insights into future strategies. Topics mainly, though not exclusively, include dental repairing/regeneration, stem cells, biomaterials, nanotechnologies, exosomes, growth factors, interaction between general health and oral health, oral and systemic microbiome, nutraceuticals and its effects on oral health, scaffolds, and custom-made prostheses.

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

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