Inaugural editorial: Advancing the frontier of innovation in stomatology and interdisciplinary sciences

As a rapidly evolving and highly interdisciplinary field, stomatology is increasingly becoming a vital link between many disciplines, including basic medicine, clinical medicine, materials science, bioengineering, immunology, microbiology, artificial intelligence, and public health. With the continuous deepening of multidisciplinary integration and the accelerating pace of technological innovation, the field of oral and related health sciences is demonstrating remarkable vitality, bringing new theoretical breakthroughs and clinical application prospects to human health.

We are delighted and excited to announce the official launch of the international journal *Dental Research*. This journal is dedicated to creating an open, rigorous, and cutting-edge academic platform that promotes innovation across the entire spectrum—from basic mechanistic research to clinical translation and application. Its goal is to accelerate the exchange of knowledge and collaboration between stomatology and related disciplines, offering a key stage for global researchers to present their groundbreaking achievements.

Dental Research is an academic journal in the field of stomatology, hosted by Hospital of Stomatology, Sun Yat-sen University. It undergoes a rigorous peer review process and is published quarterly online. The journal is committed to publishing innovative outcomes in basic, clinical, and translational research in oral medicine, craniofacial science, and their interdisciplinary intersections with basic medicine, clinical medicine, preventive medicine, life sciences, biomedical engineering, materials science, and other related fields. The journal primarily features original research and high-quality reviews. Topics include, but are not limited to, stem cells and regenerative medicine, growth and development, biomaterials, bone and cartilage development and related diseases, bone metabolism/regeneration and repair, biopharmaceuticals, artificial intelligence and computational biology, oncology, microbiology, inflammation and immune regulation, epidemiology, as well as mechanisms, diagnosis, and treatment of systemic diseases related to oral health. We particularly encourage original research and high-quality reviews that foster disciplinary integration, propose new theories, or introduce novel methodologies.

Dental Research is more than just a platform for publishing outstanding research achievements; it aspires to become a vibrant hub for the international academic community. Here, we sincerely invite colleagues worldwide dedicated to oral health research and related fields to submit their most innovative research findings to *Dental Research*. Whether it is in-depth mechanistic exploration, rigorous clinical trials, groundbreaking technical reports, or systematic reviews, all will receive our utmost attention and professional review. At the same time, we warmly welcome like-minded scholars to join our editorial board or reviewer team. Your expertise and experience will be invaluable in safeguarding academic quality and guiding the development of the discipline alongside us.

Let us join hands and take *Dental Research* as a new starting point to promote and accelerate the progress of oral health sciences. We believe that through our joint efforts, the advanced scientific discoveries can be transformed into powerful forces that enhance the health and well-being of all humanity!



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