Special Issue

Blood-Derived Products for Tissue Repair/Regeneration

Message from the Guest Editors

Blood-derived products, in particular, platelet-rich plasma (PRP), have recently become the focus of intensive interest and discussion, in part because of the evolution of our understanding of platelet biology and the reinterpretation of some of their traditional roles in hemostasis and tissue repair. The biological effects of PRPs are largely attributed to the platelet secretome and plasma signaling proteins. Clinical data suggest that PRPs may exploit different regenerative mechanisms under diverse clinical conditions, including hemostasis, inflammation, angiogenesis, and tissue anabolism, among others. However, many potential molecular mechanisms acting simultaneously to promote tissue healing present a challenge to the identification of critical mechanisms behind PRP therapies. This Special Issue will cover a selection of articles that inform and provide insights about PRP biology and PRPs' (or other blood-derived products) and combination products' (PRP + cell products, PRP + drugs, and PRP + biomaterials) clinical successes and failures. Experimental papers, clinical studies, up-to date reviews, and commentaries are all welcome.

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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