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Liquid Metal Enabled Bio-Related Applications

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Message from the Guest Editors

Liquid metals, such as gallium and gallium-based alloys, are a special family of materials that simultaneously possess both metallic and fluidic properties. They exhibit numerous unique and attractive properties, such as low viscosity, high surface tension, good fluidity, and high electrical/thermal conductivity, and most importantly, are much less toxic in comparison with their more hazardous counterpart—mercury.

Liquid metals provide an extraordinary combination of deformability, flexibility, multifunctionality, and biocompatibility, rendering them promising candidates for a wide range of bio-related applications that cannot be achieved using conventional materials. It is therefore necessary to solicit recent advances in the research of liquid metal-enabled bio-related applications to revolutionize the future of this material.

In this Special Issue of *Biosensors*, we seek the state-of-the-art research and development efforts in the exploration of bio-related applications of liquid metals. Both original article and review submissions are welcome.



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Special Issue



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Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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