



## Biosensors for Organs-on-a-Chip Applications

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### **Message from the Guest Editor**

Dear Colleagues,

Interest in biosensing for organs-on-a-chip applications has grown tremendously in the last few years. This technology can be applied to areas such as studying organ/tissue physiology, understanding disease etiology, and facilitating drug development. One of the important aspects of organ-on-a-chip is the integration and application of sensing technologies to provide reliable, high-content information on the physiological response of the device. To enable in situ continual monitoring of organ behaviors, a variety of biosensors have been integrated to detect organ-specific reactions and dynamic tissue responses. In this Special Issue, we focus on the integration of biosensors used for conveying and reading the information in organs-on-a-chip models of drug delivery, disease treatment, and personalized medicine.





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