## **Special Issue**

## Single-Molecule Sensing for Biomedical Applications

## Message from the Guest Editor

The development of single-molecule sensing is one of the challenges in the field of applied science. Until now, single-molecule sensing has become available for various biomedical application and it is an ideal medical technique for the realization of precision-medicine systems. This Special Issue will focus on singlemolecule sensing for biomedical applications, including electrical, optical, and/or magnetic measurements and nano/micro fabrication technologies for devices using nanostructures such as nanopores, nanogaps, nanochannels, MEMS, NEMS, etc. It will also welcome pretreatment studies for biomedical sensing, singlemolecule detection, integrating purification, extraction, molecular control, as well as for non-invasive. biocompatible, and wearable functional devices. In addition, studies on artificial intelligence, such as multivariate analysis, machine learning, and deep learning, and molecular simulation methods are also of interest.

### **Guest Editor**

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### Deadline for manuscript submissions

closed (31 October 2022)



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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Editor-in-Chief

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