Special Issue

Immunosensor for Virus Detection

Message from the Guest Editors

Rapid and accurate diagnosis of viruses is crucial to prevent and control the spread of pathogenic viruses. Conventional methods such as real-time polymerase chain reaction, enzyme-linked immunosorbent assay, and Western blots suffer limitations that require time-consuming processing and trained technical operators and expensive equipment. Immunosensors are affinity-based biosensing devices that can overcome previously mentioned barriers and rapidly detect viruses due to their high specificity and label-free detection. Therefore, this Special Issue seeks to showcase research papers and review articles focusing on immunosensors for virus detection, which includes but is not limited to:

- Development of novel immunosensor designs for virus detection;
- Development of point-of-care viral sensors that provide miniaturization, high sensitivity, cost-effectiveness, and portability;
- Integration in other bionanoparticles, including but not limited to extracellular vesicles, lipoproteins, ferritin, magnetite, and virus-like particle detection;
- Development of novel viral enrichment methods to improve sensitivity of typical analytical techniques.

Guest Editors

Dr. Jie Wang

Canary Center for Early Cancer Detection, Department of Radiology, School of Medicine, Stanford University, Palo Alto, CA 94304-5427, USA

Dr. Fernando Soto

Canary Center at Stanford for Cancer Early Detection, Bio-Acoustic MEMS in Medicine (BAMM) Laboratory, Department of Radiology, School of Medicine Stanford University, Palo Alto, CA 94304-5427, USA

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Chemosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
chemosensors@mdpi.com

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Chemosensors continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

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Prof. Dr. Jin-Ming Lin
Beijing Key Laboratory of Microanalytical Methods and Instrumentation, Department of Chemistry, Tsinghua University, Beijing 100084, China

Prof. Dr. Nicole Jaffrezic-Renault
Institute of UTINAM, University of Franche-Comté, UMR-CNRS 6213, 16 Gray Road, 25030 Besançon, France

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