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Biosensors Based on Recombinant Antibodies—in Memory of Professor Hiroshi Ueda

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Message from the Guest Editors

Dear Colleagues,

Immunosensors are a kind of biosensor that is based on the specific recognition function of antigens and antibodies. Due to the advantages of high sensitivity, high specificity, simple use and low cost, immunosensor technology has been applied in a wide range of fields such as clinical medicine and biological monitoring technology, food industry, environmental monitoring and processing. With the development of molecular biology, the preparation of antibody fragments has become easier, and the immunodetection technology based on recombinant antibody fragments has also rapidly developed. Professor Hiroshi Ueda of the Tokyo Institute of Technology in Japan has experienced many great achievements in the research of biosensors based on antibody fragments. The Open Sandwich Immunoassay and Quenchbody technology invented by Professor Ueda have greatly contributed to the field. To commemorate the outstanding contributions of Professor Ueda, this Special Issue will mainly collect papers on detection technology based on antibody fragments to promote innovation and development in this field.

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Special Issue



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Message from the Editor-in-Chief

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