

Special Issue

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

Message from the Guest Editors

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.

Guest Editors

Dr. Peter Kristensen

Department of Chemistry and Bioscience, Aalborg University, Aalborg, Denmark

Prof. Dr. Jinhua Dong

1. School of Rehabilitation Sciences and Engineering, University of Health and Rehabilitation Sciences, Qingdao, China

2. Institute of Innovative Research, Tokyo Institute of Technology, Yokohama, Japan

Deadline for manuscript submissions

closed (20 May 2024)



Methods and Protocols

an Open Access Journal
by MDPI

Impact Factor 2.0
CiteScore 3.9
Indexed in PubMed



mdpi.com/si/168392

Methods and Protocols
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mps@mdpi.com

mdpi.com/journal/

[mps](https://mdpi.com/journal/)





Methods and Protocols

an Open Access Journal
by MDPI

Impact Factor 2.0
CiteScore 3.9
Indexed in PubMed



[mdpi.com/journal/
mps](https://mdpi.com/journal/mps)



About the Journal

Message from the Editor-in-Chief

Methods and Protocols (ISSN 2409-9279) is an open access journal devoted to the publication of new procedural approaches and cutting-edge methodological developments. The ultimate objective of this new forum of scientific communication is to provide researchers with an indispensable tool, enabling better use of the latest scientific technologies. With a broad and totally interdisciplinary focus, *Methods and Protocols* was established with the objective of facilitating cross-fertilization and cross-talk in the scientific arena. Methods and protocols in Life Sciences, Chemistry, Biomedical Sciences, Engineering, and in their intersections such as Biotechnology and Nanotechnology will constitute the core of the journal. However, we anticipate that other fundamental disciplines such as Physics or Geology will be rapidly incorporated.

Editor-in-Chief

Prof. Dr. Fernando Albericio

1. School of Chemistry and Physics, University of KwaZulu-Natal,
Durban, South Africa

2. Department of Organic Chemistry, University of Barcelona,
Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, ESCI (Web of Science), PubMed, PMC, CAPus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Biochemistry, Genetics and Molecular Biology (miscellaneous))