

## Special Issue

# Recent Advances of Site-Specific Antibody Drug Conjugations for Clinical Application

### Message from the Guest Editors

Cancer management has been revolutionized by exploiting antibodies' specific antigen recognition and therapeutic properties for both therapeutic and diagnostic purposes. These properties are strengthened by arming the antibodies with different functional molecules such as drug molecules, organic fluorophores, radionuclides, oligonucleotides, and nanoparticles. Non-specific conjugation methods that rely on acylation of the amino group on lysine or alkylation of thiol group on cysteines are widely used to equip antibodies with effector molecules. The aim of this Special Issue is to provide a universal overview of recent developments of site-specific antibody conjugation methods and their potential application in clinical management. Original research or review articles focusing on antibody conjugates using site-specific conjugation strategies and their clinical applications may be submitted to this issue. Authors are encouraged to address topics including but not limited to biomedical research in the field of antibody conjugation development and antibody-based cancer therapy, diagnostics, and visualization.

---

### Guest Editors

Prof. Dr. Ivo Meinhold-Heerlein

Department of Gynecology and Obstetrics, Medical Faculty, Justus-Liebig-University Giessen, Klinikstr. 33, 35392 Giessen, Germany

Dr. Ahmad Fawzi Hussain

Department of Gynecology and Obstetrics, Medical Faculty, Justus-Liebig-University Giessen, Giessen, Germany

---

### Deadline for manuscript submissions

closed (31 October 2022)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/96083](https://mdpi.com/si/96083)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

---

### Editor-in-Chief

Prof. Dr. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
"Jose Mataix", Biomedical Research Center, University of Granada,  
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

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

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)