

Special Issue

The Pathway of Antigen Processing and Presentation

Message from the Guest Editor

The human adaptive immune system can sense infected or aberrant cells by detecting small peptides on the cell surface that belong to a pathogen or are generated due to cancerous transformation. These peptides, called antigenic peptides, are generated inside the cell by the specialized pathway of antigen processing and presentation. This pathway continuously samples the protein content of the cell and presents peptides bound onto major histocompatibility complex molecules on the cell surface. This Special Issue will focus on all molecular aspects of this important pathway, their role in health and disease, and their roles in regulating immune responses and efforts to pharmacologically modulate them for therapeutic purposes.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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.

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