

## Special Issue

# Challenges in Antigen Identification—HLA Peptides and TCR Receptors

### Message from the Guest Editor

Significant progress in biomedical sciences and technology breakthroughs which has occurred in recent decades has enabled scientists to accelerate research and perform routine analysis using cutting-edge technologies (whole genome sequencing, transcriptome sequencing, single cell analysis (genomic techniques), proteome analysis (mass spectrometry), and phenotypic screens, i.e., immune cell typing (CyTOF/Flow cytometry) within days. The accompanying development of multidimensional (multi-omics) data integration using bioinformatics and systems biology tools enables the efficient mining of these information-rich datasets. With these tools, we can successfully expedite personalized medicine and targeted therapies based on the integration of a substantial set of patient-specific data.

This Special Issue, “Challenges in Antigen Identification—HLA Peptides and TCR Receptors”, will cover a selection of recent research topics and current review articles in the area of HLA peptide identification approaches, peptide vaccines, and specific TCR identification.

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### Guest Editor

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### Deadline for manuscript submissions

closed (28 February 2022)



## International Journal of Molecular Sciences

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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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### Editor-in-Chief

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