

## Special Issue

# Autoimmune Diseases: From Molecular Mechanisms to Therapeutic Innovations

### Message from the Guest Editor

Autoimmune diseases, where the immune system mistakenly attacks the body's tissues, affect millions of people worldwide. Today, advances in molecular biology are helping us uncover their underlying mechanisms. We now understand that genetic, epigenetic, and environmental factors interact to trigger these conditions, and cutting-edge technologies, such as omics and bioinformatics, are uncovering new biomarkers and therapeutic targets, paving the way for personalized treatments. Moreover, innovative therapies—such as biologics and JAK inhibitors, as well as groundbreaking CAR-T cell therapy—are showing promising results in modulating immune responses with greater precision and safety. This Special Issue not only explores the molecular mechanisms behind autoimmune diseases but also discusses how these discoveries are being translated into real-world treatments that are already changing patients' lives. By integrating foundational research with therapeutic innovation, we highlight the potential to improve patient outcomes and move toward personalized management of these complex disorders, offering a better quality of life for patients.

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### Deadline for manuscript submissions

20 August 2026



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
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