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## Omics Approaches to Immune-Mediated Inflammatory Diseases: Towards Novel Biomarkers and Potential Therapeutic Targets

Guest Editor:

**Dr. Maria-Ioanna (Marianna) Christodoulou**

1. Department of Life Sciences,  
European University Cyprus,  
Nicosia 2404, Cyprus  
2. School of Infection and  
Immunity, University of Glasgow,  
Glasgow G12 8TA, UK

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### Message from the Guest Editor

Dear Colleagues,

Chronic immune-mediated inflammatory diseases (IMIDs), including autoimmune and non-autoimmune conditions—rheumatoid and psoriatic arthritis, systemic lupus erythematosus, inflammatory bowel disease, Crohn’s disease, ulcerative colitis, multiple sclerosis, etc. Recent technological advances have facilitated high-throughput omics approaches (genomics, transcriptomics, epigenomics, proteomics, metabolomics) for the evaluation of critical molecular compartments involved in the development and perpetuation of IMIDs. Unveiling key players governing their pathogenesis and progression may pave the way for the detection of novel biomarkers for disease prognosis and therapy response monitoring while suggesting potential therapeutic targets. Bulk and single-cell omics, multi-omics flow cytometry, next-generation microscopy and systems biology are among current approaches expected to provide useful tools to be applied in daily clinical practice.

This Special Issue aims at gathering recent data from omics studies on IMIDs that could possibly serve as novel biomarkers and/or therapeutic targets.

- IMIDs
- IBD
- Crohn’s disease
- bulk and single-cell omics



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# Special Issue



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### Prof. Dr. Felipe Fregni

1. Neuromodulation Center and  
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Learning, Spaulding  
Rehabilitation Hospital and  
Massachusetts General Hospital,  
Harvard Medical School, Boston,  
MA 02114, USA  
2. Department of Epidemiology,  
Harvard T.H. Chan School of  
Public Health, Boston, MA 02115,  
USA

## Message from the Editor-in-Chief

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*Biomedicines* Editorial Office  
MDPI, Grosspeteranlage 5  
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