

Special Issue

The Role of Macrophages in Inflammatory and Cancer: An Update

Message from the Guest Editor

Macrophages are cells of myeloid origin residing in virtually all parts of human body. To perform their important roles, macrophages can either be expanded by self-renewal progenitors positioned at strategic organs or be recruited from bone marrow or other macrophage pools. Therefore, macrophages are indeed subpopulations of distinct origin, which enable them to display a great variety of, often contrasting, functions, including immunosurveillance, tissue homeostasis and repair, promoters of inflammation, pathogen clearance, and pro- and anti-oncogenic roles. Thus, these cells are highly plastic, adapting themselves to the environment encountered, which in turn largely influences disease outcomes. The opportunity to manipulate macrophages has long been seen as a potential therapy; however, our understanding of macrophage immunobiology is incomplete, and research is required to update and spread the knowledge, which will ultimately allow us to treat diseases using macrophage-based approaches. We are pleased to invite you to submit original research articles and reviews related to research areas.

Guest Editor

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Deadline for manuscript submissions

20 October 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/221376

*International Journal of
Molecular Sciences*
Editorial Office
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