

Special Issue

Macrophages and Antimicrobial Immune Response

Message from the Guest Editor

Macrophage cells play a vital role in the surveillance and detection of potential infectious agents within the innate immune system and provide important links to the adaptive immune response. Indeed, these cells play important sentinel roles within organs as diverse as the skin, gut, lung and brain. Interestingly, macrophage responses to microbial pathogens are tempered depending on the tissue they reside in and the type of insult that is incurred, and they can range from highly pro-inflammatory to distinctly anti-inflammatory. Due to their importance in regulating and coordinating all immunity, a special interest is being taken in current and novel discoveries regarding macrophages and immunity. For this Special Issue, we invite researchers to contribute with either original research (both in vivo and in vitro studies) or review articles focusing on the complex and myriad ways that macrophages provide antimicrobial effects within the body and their relevance for therapeutic intervention.

Guest Editor

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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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