



NOD-like receptors in inflammatory and autoimmune diseases

Guest Editor:

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Message from the Guest Editor

Sensing pathogen or pathogen-associated molecular patterns (PAMPs) by pattern recognition receptors (PRRs) is the critical first step for an effective immune response against pathogens. NOD-like receptors (NLRs) are a group of PRRs which are dedicated to sensing pathogens and PAMPs in the cytoplasm. The biological functions of NLRs are diverse, and involve the assembly of the inflammasome complex, activation of the NF- κ B and MAPK pathways, and inhibition of inflammatory signaling pathways. Although the role of different NLR proteins in diverse microbial infections has been studied extensively, recent studies shed light on the critical role of NLRs in inflammatory and autoimmune diseases.

This Special Issue calls for original research, mini and full reviews, and perspectives that address the progress and current knowledge on the role of NLRs in diverse inflammatory and autoimmune diseases. Reviews and original research focusing on the molecular mechanisms of NLR-mediated regulation of immune responses and cell signaling pathways are welcome.

For further reading, please visit the [*Special Issue Website*](#).





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Message from the Editor-in-Chief

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