



Innate Immune Sensing of Viruses and Viral Evasion

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Message from the Guest Editors

Innate immunity represents the first line of defense against viruses. The success of the immediate response relies on the recognition of PAMPs of viruses by specialized sensors called PRRs. The consequence of this surveillance network and the downstream pathway activation is the secretion of cytokines, type I interferons, and the expression of interferon-stimulated genes. Viruses have evolved multiple ways to dampen the host IFN response by interfering, disrupting, or evading specific host regulators. Recent discoveries have shown that the sensing pathways are highly regulated by post-translational modifications and co-regulating proteins. Moreover, emerging evidence indicates that there exists crosstalk between the sensing pathways. Furthermore, unexpected pathways seem to play important roles in detecting and responding to viral infections. This Special Issue will cover recent discoveries in the regulation of innate immune pathways during viral infections, novel mechanisms of exploitation, or the manipulation of regulators of the pathways by viruses and novel cellular network complexes that play a role in sensing viruses.





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Message from the Editor-in-Chief

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