## **Special Issue**

# T Cell-Mediated Antiviral Immunity

### Message from the Guest Editor

Pattern recognition receptor signalling (TLRs, RLRs, CLRs, and NLRs) can recognize viral pathogen associated molecular patterns and can trigger a robust type-I interferon (IFN) and pro-inflammatory cytokine response that functions to control virus replication and limit spread within a host. Antigen presenting cells (e.g., dendritic cells) provide a critical link between these innate immune signals and priming T-cell responses that function to clear virus infection and provide protection against re-infection. Over the past 20 years, there have been tremendous research efforts to understand the underlying mechanisms that regulate both dendritic cell responses and the development of effector and memory antiviral T-cell responses during virus infection. These efforts have culminated in identifying key transcription factors, signaling components, and cytokines that ultimately determine Tcell fate and function. Recent technological advances and the use of integrated multi-omics-based approaches (e.g., epigenomic, transcriptomic, proteomic, metabolomic, and lipidomic) are providing an unprecedented and global assessment of T-cell responses during virus infection.

### **Guest Editor**

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#### Deadline for manuscript submissions

closed (31 December 2019)



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