

SigN VIRTUAL SEMINAR



Hye-Jung Kim, Ph.D.

Lead Scientist, Dana-Farber Cancer Institute
Lecturer, Harvard Medical School

Treg stability & contribution to anti-tumour immunity

Regulatory T cells are central mediators of immune regulation and play an essential role in the maintenance of immune homeostasis in the steady state and under pathophysiological conditions. Disruption of CD8 Treg-dependent recognition of Qa-1-restricted self-antigens can result in dysregulated immune responses, tissue damage, autoimmune disease and cancer. Recent progress in studies on regulatory T cells of the CD8 lineage have provided new biological insight into this specialized regulatory T cell subpopulation. Identification of the Helios transcription factor as an essential control element for the differentiation and function of CD8 regulatory T cells has led to a better understanding of the unique genetic program of these cells. Here, recent advances in our understanding of CD8 regulatory T cells with emphasis on lineage commitment, differentiation and stability will be introduced. In addition, we will also discuss that selective instability and conversion of intratumoral Treg may represent a novel and effective approach to cancer immunotherapy.



17th February 2022 (Thursday)
9 AM – 10 AM (Singapore Time)

Join Zoom: [LINK](#) or Scan QR Code

Meeting ID: 993 5696 5804

Passcode: 449389



*Seminar is
open for all
to attend.*

*Registration
is not
required.*