

SIGN VIRTUAL SEMINAR

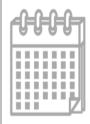


Minji BYUN

Assistant Professor Department of Medicine, Division of Clinical Immunology Icahn School of Medicine at Mount Sinai

Epigenetic Modifier Dysfunction in Hematopoietic Cells and Its Impact on Immune Gene Expression

Clonal expansion of hematopoietic cells carrying acquired mutations in epigenetic modifiers, such as DNMT3A and TET2, is common in older adults. This phenomenon, referred to as age-related clonal hematopoiesis (ARCH), is associated with increased risks of blood cancers and cardiovascular disease. Epigenetic mechanisms underlying these disease associations are poorly understood. Using human pluripotent stem cell-derived macrophages, we investigate the impact of ARCH-associated mutations on DNA methylation and immune gene expression. Our results reveal a broad impact of epigenetic modifier dysfunction on immune gene expression and shed light on the mechanism of immune dysfunction associated with aging.



16th Nov 2021 (Tuesday) 9 AM – 10 AM (Singapore Time) Join Zoom: <u>LINK</u> or Scan QR Code Meeting ID: 943 3308 6614 Passcode: 459004



Seminar is open for all to attend.

Registration not required.

