

Role of Adhesive Signals in Acute Myeloid Leukemia

Abstract:

Since Acute Myeloid Leukemia (AML) is associated with significantly poor survival, there is a critical need to identify novel therapeutic approaches. Dr. Bajaj has shown that loss of adhesive signals, driven by CD98 and Tspan3, has a significant impact on AML growth. To identify novel microenvironmental signals, she has done an in vivo genome-wide CRISPR screen in leukemic stem cells (LSCs). She now proposes to characterize the functional role of candidate surface genes in myeloid diseases. This may lead to the design of novel therapies targeting interactions of LSCs with their niche.



Speaker:

Dr. Jeevisha BAJAJ

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Dr. Jeevisha Bajaj obtained her Ph.D. degree in Cancer Biology from NCBS-TIFR, India. During her Ph.D. she identified and characterized the cancer stem cell population in cervical cancers and defined the role of Notch signaling in sustaining these cells. As a Postdoctoral Fellow in Tannishtha Reya's lab at the University of California, San Diego she studies the role of adhesive interactions of cancer cells with their environment on the growth and progression of Acute Myelogenous Leukemia.

Date:

**18 March 2019
(Monday)**

Venue:

Amphitheatre, Level 2

Duke-NUS Medical School
8, College Road,
Singapore 169857

Time:

12:00 – 1:00 p.m.

Host:

Dr. Ann-Marie CHACKO

Assistant Professor
Laboratory for Translational and
Molecular Imaging (LTMI)
Programme in Cancer & Stem Cell
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No registration is required.

All are welcome.

Any enquiries, please contact:
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