



Indian Institute of Technology Kanpur

INSTITUTE LECTURE SERIES

April 29, 2022 (Friday) | 6.00 pm | BSBE Seminar Room

Speaker: Dr. Vikram Mathews

Evolving cell therapy program: Challenges and regulatory pathway in India



About the Speaker

Dr. Vikram Mathews, is currently the Associate Director and Professor of Hematology at Christian Medical College, Vellore. Dr. Mathews is involved in the research and clinical management of patients with leukemia over the last 25 years. Following completion of his specialty training in Clinical Hematology, he spent 3 years in Washington University, St Louis, MO, USA as a Post-doctoral fellow in the laboratory of Dr. Timothy Graubert and Dr. John DiPersio. During this period he was trained in stem cell and leukemia biology. Dr. Mathews has since worked on various aspects of diagnosis, prognostication and treatment of acute leukemia in India. An innovative therapeutic strategy and a novel protocol of using arsenic trioxide as frontline therapy in acute promyelocytic leukemia (APL) reported by Dr. Mathews is now practiced worldwide in the treatment of APL.

About the Talk

The Department of Haematology at Christian Medical College, Vellore, India has an active hematopoietic stem cell transplant (HCT) program since 1986. There is an increased interest in graft manipulation for HCT as well as using cell therapy alone as an adjunct to HCT to treat or reduce the risk of relapse in hematological malignancies. The preliminary data, in addition to establishing safety, provides a signal to suggest efficacy and this strategy has been applied to high risk first remission acute myeloid leukemia (AML) HCT. In this presentation the speaker will address the various challenges encountered, and illustrate their preliminary work on regulatory pathway that they have followed for some of the cell therapy programs. Challenges are also opportunities and there are a number of areas where urgent cross talk and collaboration is required between different branches of science, including but not limited to engineering and medicine, to improve access to these promising and often curative cellular therapies.

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All are cordially invited to attend

Covid protocols to be followed strictly

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