

Indian Statistical Institute

Applied Statistics Unit

SEMINAR NOTICE

Speaker: Rajesh Dikshit, Tata Memorial Centre, Mumbai

Title: Genome Wide Association studies and its role in identifying genetic susceptibility in cancer causation: A brief overview of Global and Indian status

Date: 22 January, 2024

Time: 16:15 PM

Online Platform: Google Meet (Invitation link will be sent later)

Abstract: Genome-wide association studies (GWAS) provide an opportunities for investigating the genetic basis of complex diseases. In oncology, GWAS of nearly all common malignancies have been performed, and over 450 genetic variants associated with increased risks have been identified. These studies have revealed novel pathways and provided risk associated with heritability for many cancer sites. The major challenge lying ahead is to utilize the findings of GWAS in clinical setting, in risk stratification for cancer prevention and for drug discovery.

The talk will cover basic concepts of Genome-wide association studies, Post GWAS analysis and studies ongoing at Centre for Cancer Epidemiology, Tata Memorial centre, Mumbai.

This seminar will be followed by a panel discussion on possible TMC-ISI collaboration with (1) Dr. Rajesh Dikshit, Director, Center for Cancer Epidemiology, Tata Memorial Center, Mumbai, India, (2) Dr. Sharayu Mhatre, Scientific Officer, Center for Cancer Epidemiology, Tata Memorial Center, Mumbai, India and (3) Dr. Parichoy Pal Choudhury, Principal Scientist, Biostatistics, American Cancer Society, Atlanta, GA, USA. Please see the attached write-up.

All are invited to attend.