



# Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum

## DEPARTMENT OF PATHOLOGY

### INVITED TALK

## Genomics and Genome Editing: From Bench to Bedside



**Binukumar BK, *Ph.D.***  
**Principal Scientist,**  
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Dr. Binu received his Ph.D. degree in Molecular Neurobiology from Postgraduate Institute Of Medical Education & Research (PGIMER), Chandigarh, India. He completed his postdoctoral work with Dr. Kuo-Ping Huang, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH), USA; 2011- 2012, and with Dr. Harish C. Pant, at The National Institute of Neurological Disorders and Stroke (NINDS), NIH, USA; 2012-2016. In December 2016, he joined as a Senior Scientist at the CSIR-Institute of Genomics and Integrative Biology (IGIB). Dr. Binu's lab mainly interested in elucidating the pathogenic mechanisms underlying neurological disorders that impact movement, learning and memory. His important research areas are Modeling neurological disorders using induced pluripotent stem cells (iPSCs) and organoid culture & Cross-talk between differentially regulated protein kinases in type 2 Diabetes Mellitus and Alzheimer's disease: Cognition and synaptic plasticity in diabetes mellitus.

**24<sup>th</sup> March 2023, 10-11am**

**Auditorium I, Hospital Wing, SCTIMST**

**All are cordially invited**