



Survey No. 36/P, Gopanpally Village, Serilingampally, Ranga Reddy Dist., Hyderabad - 500 046

Seminar

Mitochondrial size regulation under stress Rajit Narayanan **TIFR Hyderabad**

Mitochondria are dynamic organelles - they fuse and divide, and thereby change morphology. The difference in mitochondrial shape and size has been shown to impact mitochondrial metabolic capabilities and overall cellular physiology. Here we show mitochondrial stress alters mitochondrial shape to form large globular mitochondria isolated from each other. We identify Bendless to be part of the mitochondrial quality control pathway that keeps these globular mitochondria Suppression of this mitochondrial quality isolated. mechanism results globular control in these mitochondria entering the mitochondrial network. however, with a detrimental impact on the viability of cells. In my seminar, I will discuss the mechanism of Bendless mediated quality control that mitochondrial fusion.

Wednesday, Apr 5th 2023 02:00 PM (Tea / Coffee 01.45 PM) Seminar Hall, TIFR-H