



# **Multidisciplinary Centre for Advanced Research and Studies (MCARS)**

## **JAMIA MILLIA ISLAMIA**

**Jamia Nagar, New Delhi – 110 025**

**Cordially invites you to attend Lecture on**

**“Regulation of mitochondrial number and size”**

**By Dr. Manish Jaiswal**

**Reader (TIFR, Hyderabad)**



A healthy pool of mitochondria is essential for neuronal function and survival. In fact, genes that are implicated in mitochondrial dynamics are often linked to neurodegenerative diseases. We conducted a forward genetic screen to study neuronal maintenance through which we identified a series of mutants with altered size or abundance of mitochondria. We found that these changes are often induced as a compensatory response to defects in mitochondrial physiology. In my talk, I will discuss regulatory mechanism of mitochondrial fusion protein MARF/Mfn2 in order to regulate the size of mitochondria.

**1<sup>st</sup> May, 2019 Wednesday @ 03:00 pm    Venue: Conference Hall MCARS, JMI**

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