

## **Comprehensive Seminar**

### **Role of mitochondrial krebs cycle in shaping the nuclear transcriptional response**

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The mitochondrial proteome is divided into two genomes, nuclear DNA encoding for approx. 1100 of the mitochondrial proteins and the mitochondrial DNA encoding for the remaining 13 proteins. Therefore, a functional proteome requires a concerted action between the two genomes through intricate mito-nuclear communications. In my talk, I will focus on the role of the mitochondrial Krebs cycle, which lies at the centre of biosynthesis and bioenergetics, in mediating mitochondrial to nuclear communication, often referred to as mitochondrial retrograde signalling.

***Thursday, Dec 12<sup>th</sup> 2024***

***10:30 Hrs (Tea / Coffee 10:15 Hrs)***

***Auditorium, TIFRH***