



REGIONAL CENTRE FOR BIOTECHNOLOGY
Eukaryotic Model Organisms Workshop Seminar

**Using the *C. elegans* Model to Understand *in vivo*
Synaptic Vesicle Transport in Neurons**

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9:00 am
Seminar Room



REGIONAL CENTRE FOR BIOTECHNOLOGY

Workshop Seminar

Sandhya Koushika, PhD

Abstract

Transport of synaptic vesicles from the cell body to synapses is essential for neuronal function and is carried out by the conserved Kinesin-3 motor. We have found two regulatory mechanisms involving (1) cargo formation and motor exit from the cell body and (2) motor degradation at synapses. I will also discuss how using the *C. elegans* model has proved a useful means to approach this scientific problem. It enables us to use a variety of genetic and newer technologies to achieve a deeper understanding of this complex process.
