



**2 DAYS HANDS
ON WORKSHOP**
13th & 14th MARCH 2024

**ROLE OF EXTRACELLULAR VESICLES AND
CHICK EMBRYO - CAM ANIMAL MODEL IN CANCER RESEARCH**

ROLE OF EXTRACELLULAR VESICLES IN CANCER RESEARCH

Extracellular vesicles are lipid-bound vesicles secreted by cells and play a key role in intercellular communication. Among other subtypes of EV, small extracellular vesicles commonly known as exosomes (<200nm) have been of great interest in cancer. They inherit the cellular components of parental cells and influence the multifaceted functions of tumor cells. In the tumor microenvironment (TME), tumor-derived sEVs educate the stromal cells, promote angiogenesis, and promote cancer progression.

ROLE OF CAM MODEL IN CANCER RESEARCH

The establishment of clinically relevant 3D models has been motivated in recent years in order to understand that cancer is not just malignant cells on their own but is a complex disease with interconnected tumor cells and a microenvironment. Mammalian in vivo models, however, remain the most accurate means of simulating a patients condition; however, they are prohibitively expensive, time-consuming, and ethically difficult to implement. In ovo Chick embryo chorio-allantoic membrane (CE-CAM) model, a naturally immunodeficient host can fulfill both basic and translational cancer research needs without the need for ethical approval with high degree of efficiency in engrafting tumor cells and primary tissues to the vascularized CAM, irrespective of species-specific limitations.

The objectives of the seminar/workshop is to provide thoughtful ideas on exosomes as key players in Cancer Research and therapeutical applications. The schedule includes didactic lectures by Scientific Experts on role of EVs and current advances of CE-CAM model, in addition to hands-on skill of chick embryo model for cancer research.

SUPPORTED BY:

Institution of Eminence (IoE) , University of Hyderabad

ORGANIZED BY:

School of Medical Sciences,
University of Hyderabad, Hyderabad Telangana

REGISTRATION FORM (CLICK HERE)

Registration fees: Rs. 1,000/- + 18% GST

For Payment click on the below link

Sign up for above-entitled seminar

PAYMENT GATEWAY (CLICK HERE)

Hands on training is limited to the first 75 participants.

Last Date of Registration: 1st March 2024

VENUE:

Seminar Hall, School of Life Sciences
University of Hyderabad, Telangana

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