

India's first translational extracellular vesicles ecosystem opens at Apollo Hospitals, Hyderabad

09 March 2026 | News

Strengthening India's capabilities in precision diagnostics and next-generation biotherapeutics



Apollo Hospitals Educational and Research Foundation (AHERF), the research arm of Apollo Hospitals, has launched what is believed to be India's first Translational Extracellular Vesicles (EV) Ecosystem in Hyderabad.

The initiative aims to accelerate the translation of EV-based discoveries into clinical diagnostics and therapeutic applications.

The ecosystem integrates three core components:

- ExoWorks – EV Biofoundry: A platform focused on EV isolation, characterisation, and translational development to support diagnostic and therapeutic innovation.
- EV-Connect – Multi-centre Clinical Consortia: A collaborative network linking clinical cohorts across ophthalmology, neurology, and oncology to enable harmonised EV biomarker studies.
- EV-Qual – Exosome Reference Standards: An initiative designed to establish traceable EV reference materials to improve assay reproducibility, standardisation, and batch characterisation.

Together, these platforms aim to support the development of EV-based laboratory-developed tests (LDTs), in-vitro diagnostics (IVDs), and future EV therapeutics, creating a scalable pipeline from discovery to clinical translation.

The ecosystem was introduced during a three-day launch workshop held from March 5–7, which brought together clinicians, researchers, and industry partners for expert talks and hands-on training in EV isolation, characterisation, and biomarker

analysis.

This initiative represents an important step toward strengthening India's capabilities in precision diagnostics and next-generation biotherapeutics through coordinated translational EV research.