

Exosomes

July 2, 2026 • vajiramandravi.com



Exosomes Latest News

Tiny particles called exosomes released by most human cells may be promising targets for diagnosis and treatment of an array of diseases from cancer to Alzheimer's, but scientists have struggled to see them and study them in detail.

About Exosomes

- They are **small extracellular vesicles secreted by cells**.
- They typically measure 30–200 **nanometres (nm) in diameter**.
- They are **enclosed** by a **lipid bilayer membrane, similar to the cell membrane**.
- They're **naturally produced by almost all cells** in the body and are **packed with** a cargo of **proteins, lipids, RNAs** and **various signalling molecules**.
- In many ways, they **reflect the status of their parent cell, passing on that "information" to nearby cells**.

- They **mediate the exchange of substances between cells**, thereby affecting the biological properties and activities of recipient cells.
- They play significant **roles in intercellular communication, immune response modulation**, and the **transfer of genetic materials**.

News: NM

Source: <https://vajiramandravi.com/current-affairs/exosomes/>

© Vajiram & Ravi. For personal use only.