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Extracellular Vesicles for Intracellular Drug Delivery

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Propositions

Extracellular vesicles (EVs) are the drug and drug delivery vehicle at the same time. – Wiklander et al. (2019) *Science Translational Medicine* 11(492): eaav8521

EVs resemble viruses in many ways, which makes one wonder whether EVs acted as precursors of viruses.

– Nolte-'t Hoen et al. (2016) *Proc Natl Acad Sci U S A.* 113(33): 9155–9161

With the advent of superior isolation technologies, there will be an endless number of EV subtypes.

To prevent EV-mediated spreading of disease, prevention of EV secretion by diseased cells and inhibition of EV internalization by surrounding cells may offer safer alternatives to inhibition of EV cargo release.

– Strauss et al. (2010) *J Biol Chem.* 285(34):26279-88

“COVID-19 could be the catalyst that fully reunifies the social and biological sides of medicine, bridging principles that have been separated for too long.”

– Ed Yong

“Progress in science depends on new techniques, new discoveries, and new ideas, probably in that order.”

– Sydney Brenner

“If you know the question, you know half.”

– Siddhartha Mukherjee, *The Gene: An Intimate History*

“Karmanye Vadhikaraste Ma Phaleshu Kadachana, Ma Karma Phala Hetur Bhur Ma Te Sango Stv Akarmani.” (You have the right to work, but you have no right to the fruits of it. Desire for the fruits should never be your motive for the work.)

– Ancient Sanskrit verse