

Extracellular Vesicles - The Wonder-somes

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These little superheros are unlocking exciting opportunities from serving as biomarkers to drug delivery, aiding cancer treatments to regenerative medicine, from waking up senescent cells to the latest beauty products – though we are still waiting for them to wash the car or hang the washing. As with most superheros, there is an Achilles heel. For exosomes, their vulnerability tends to be in achieving consistent isolation with sufficient yield, purity, and volume allowing scaled GMP usage. Let's touch on current methods of isolation and find out about a very novel exosome isolation method that appears to repair the Archilles heel.

References:

Chen, Y.; Zhu, Q. *Nature Methods* **2021**, *18*, 212-218