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Exosomal transfer of miR-21 from M2 macrophages to gastric cancer cells. a The top 10 most abundant miRNAs in M2 Exo are listed, and miR-21 was the most abundant. b ...

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Results: In this study, we showed that **M2 polarized macrophages** promoted **cisplatin (DDP) resistance** in **gastric cancer cells** and exosomes derived **from M2 macrophages (M2-exos)** are involved in mediating the **resistance** to DDP. Using miRNA profiles assay, we identify significantly higher levels of microRNA-21 (miR21) isomiRNAs in exosomes and cell ...

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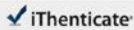
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miR-588 contributes to cisplatin resistance

Hai-Yan Cui, Jian-Sheng Rong, Ju Chen, Jie Guo, Jia-Qin Zhu, Mei Ruan, Rong-Rong Zuo, Shuang-Shuang Zhang, Jun-Mei Qi, Bao-Hua Zhang

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In GC cells, exosomal transfer of M2 polarized macrophages secreting miR-21 and miR-233 conferred chemotherapy resistance to cisplatin and doxorubicin, respectively [83, 115]. Exosomal miR-21 can be directly transferred from M2 cells to GC cells and then activate the ...

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Similar to the above researches, here we demonstrated that exosomes from M2 polarized macrophages was sufficient to confer DDP resistance in gastric cancer cells both in vivo and in

### Exosomal transfer of tumor-associated macrophage-derived ...