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Development and application of bionic systems consisting of tumor-cell membranes

Key words: Tumour-cell membrane; Malignant tumours; Drug delivery; Photothermal therapy; Tumour vaccine



Research Summary

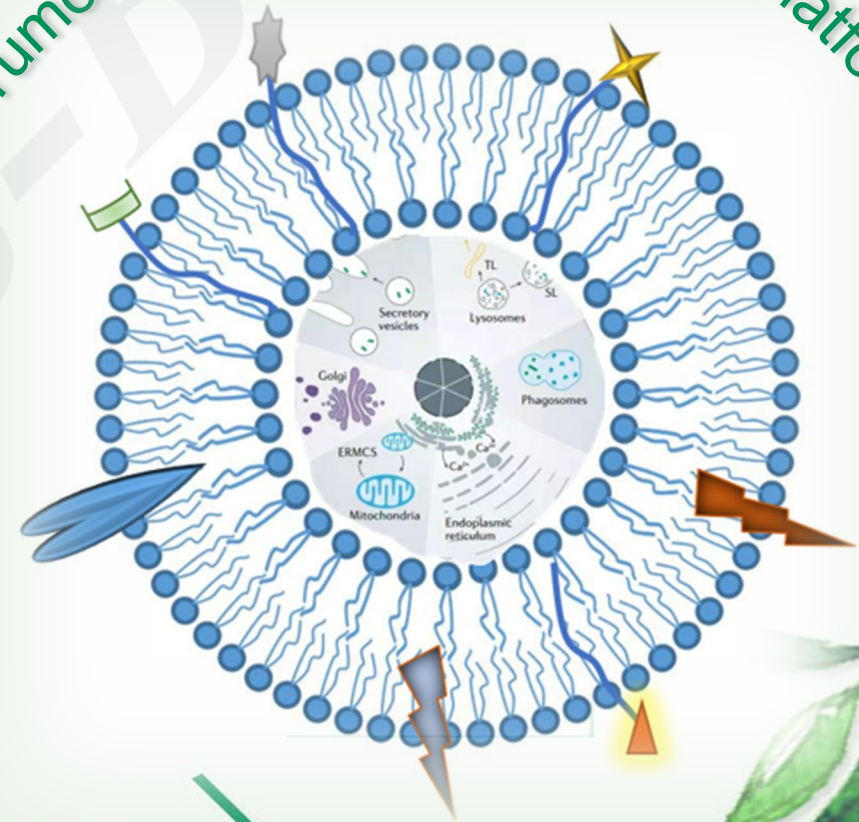
This review focus on the application of tumour-cell-membrane bionic platforms, and provide ideas for new scientific developments.

- **Introduction**
 - **Development course**
 - **Applications**
 - **Discussion**
- 

Innovation points

- **Introduction** of the development of tumour-cell membrane.
- **Summary** of the application of nanoscale research in drug delivery, photothermal therapy and tumor vaccine.
- **Emphasis** of the biosafety and feasibility of tumor-cell-membrane biomimetic system.

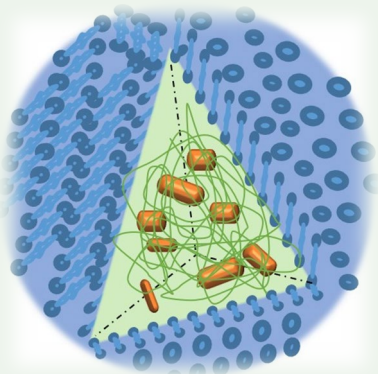
Tumour-cell-membrane bionic platforms



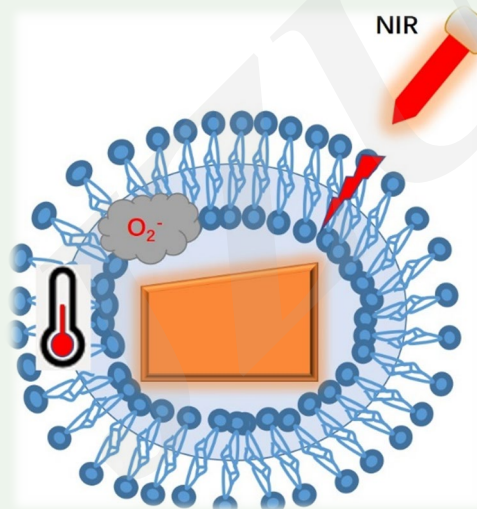
Innovation points

A series of images were generated to summarize the latest knowledge on the application of tumor cell membranes.

Drug delivery



Photothermal effect



Tumor vaccine

