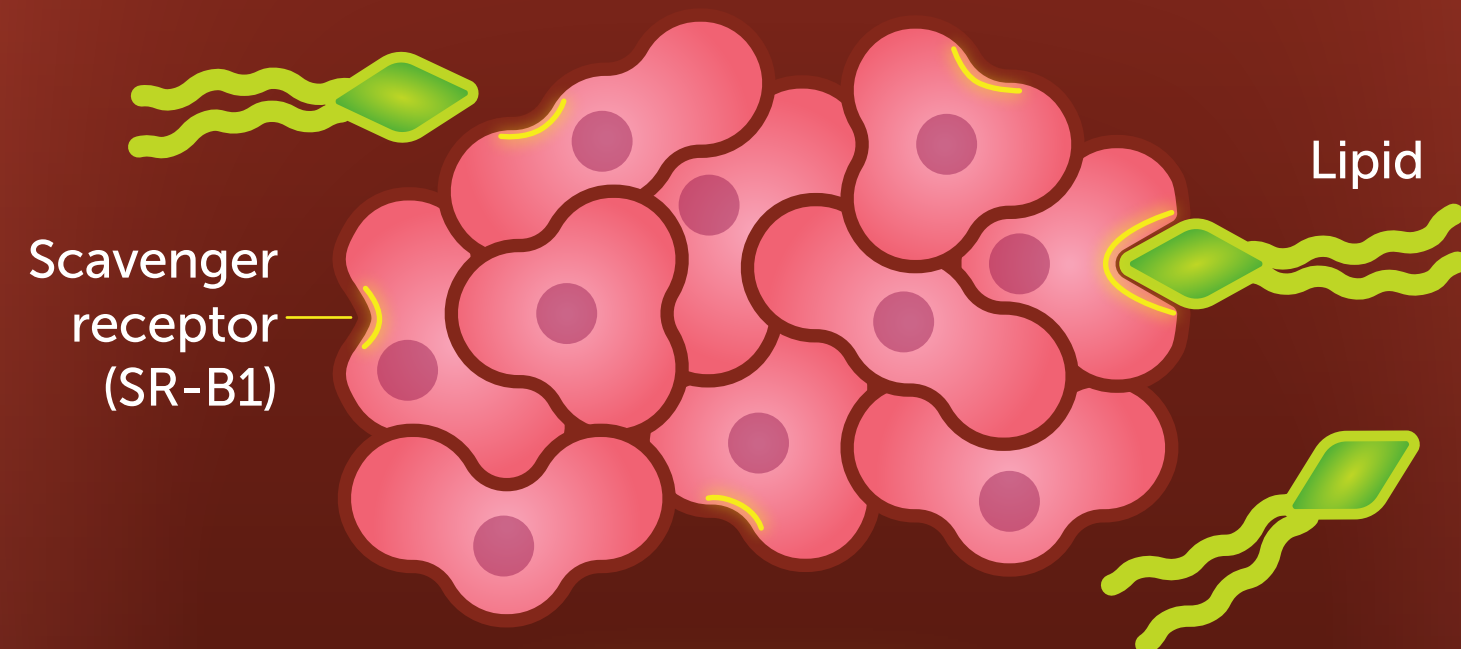
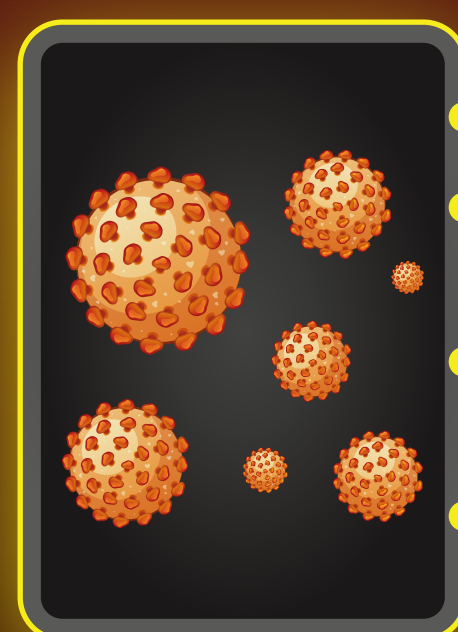


Going viral: Targeting triple-negative breast cancer by mimicking the Dengue virus

Triple-negative (TN) breast cancer is extremely aggressive and patients have a relatively poor prognosis.



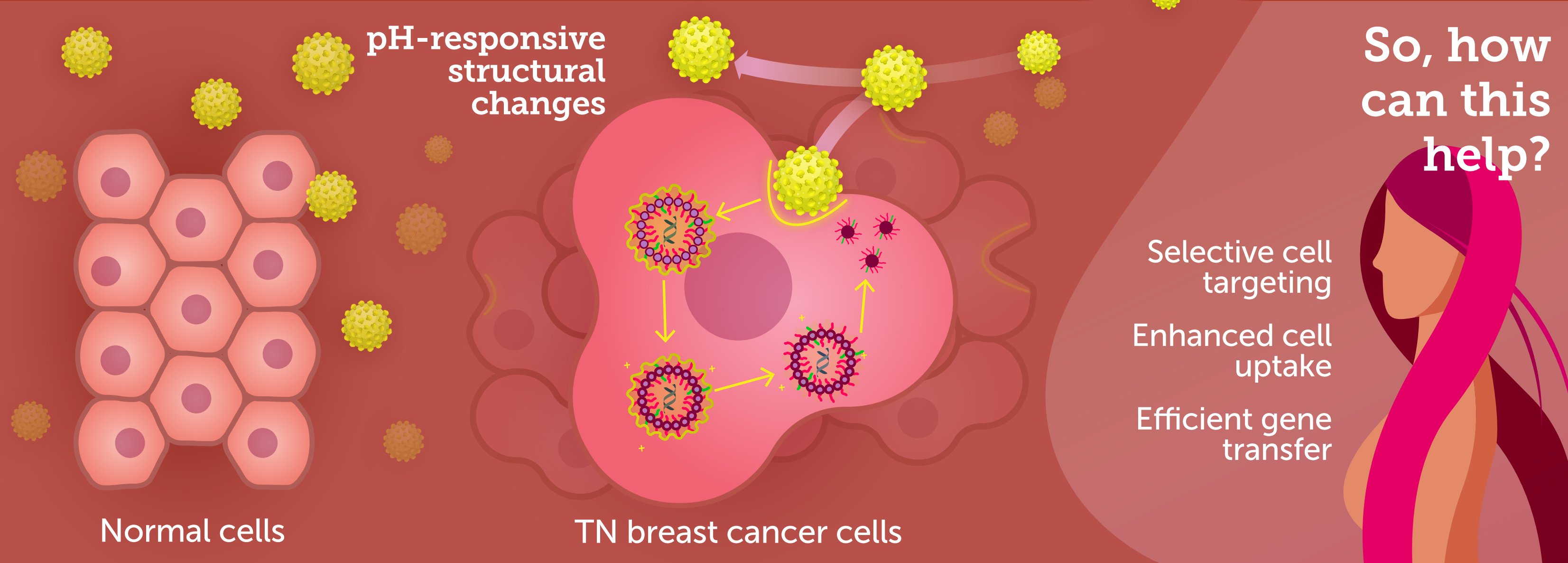
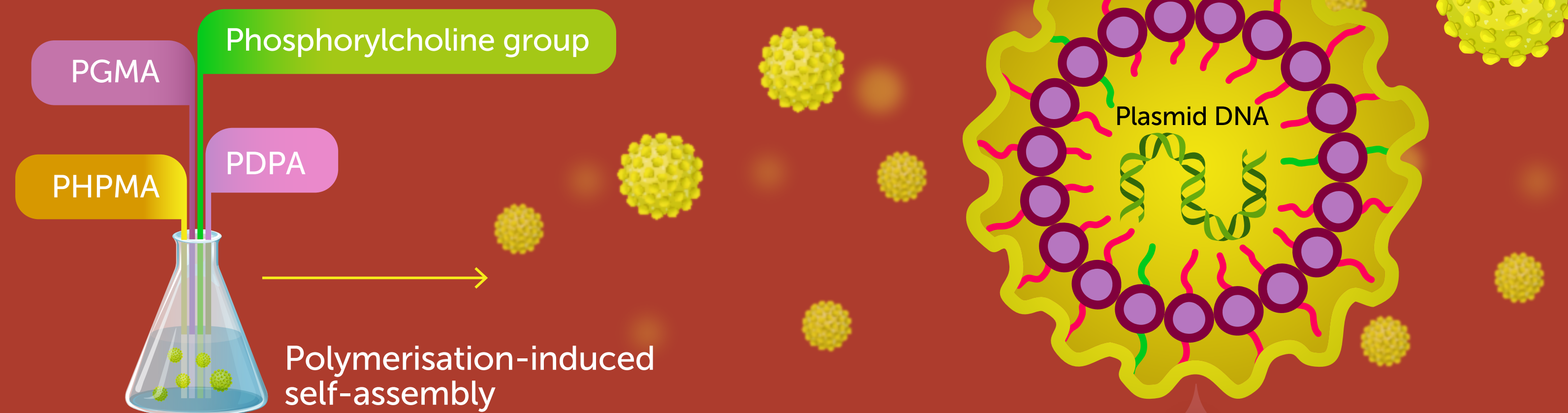
Viruses like Dengue exhibit viable features for a targeted response.



- Nanoparticle
- High target specificity
- Stimulus-responsive shape transition
- Efficient delivery carriers

Virus-mimicking nanoparticles with phosphorylcholine-based surface ligands could be used for selective targeting therapies if they are recognised as 'food' by receptors on the surface of the cancer cells.

Synthesis of triblock copolymer vesicles



Dengue virus-mimicking nanoparticles enable selective targeting of TN breast cancer cells!

Chemical
Science

PICK
OF THE
WEEK

Targeting triple-negative breast cancer cells using Dengue virus-mimicking pH-responsive framboidal triblock copolymer vesicles.
Mable, Canton, Armes *et al.* (2019)

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