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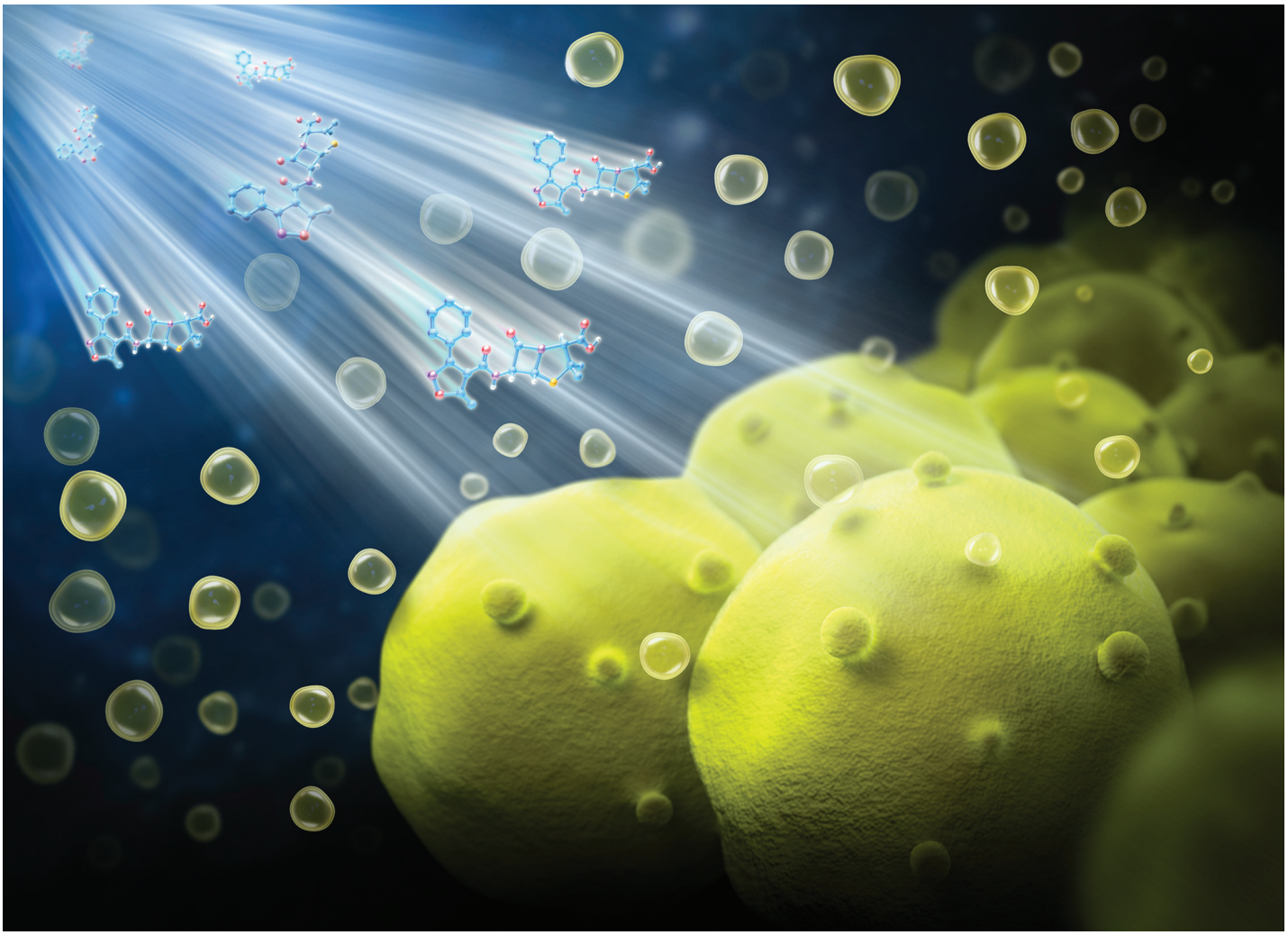
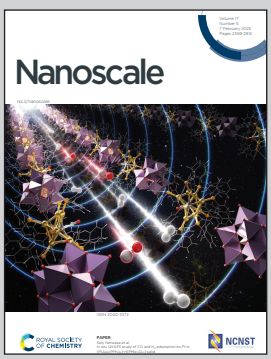


Showcasing research from Prof. Xiancai Rao's group at the Department of Microbiology, College of Basic Medical Sciences, Army Medical University, Chongqing, China.

Oxacillin promotes membrane vesicle secretion in *Staphylococcus aureus via* a SarA–Sle1 regulatory cascade

Oxacillin remarkably promotes the production of membrane vesicles (MVs) in Staphylococcus aureus with diverse genetic lineages. SarA controls Sle1 to orchestrate a SarA–Sle1 regulatory cascade in mediating oxacillin-induced MV secretion in S. aureus. The study confirms a mechanism underlying oxacillin-promoted S. aureus MV secretion and highlights the potential usefulness of oxacillin-induced MVs.

As featured in:



See Xiancai Rao *et al.*, *Nanoscale*, 2025, **17**, 2488.

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