

Showcasing collaborative research from the Center for Experimental Molecular Medicine at the Department of Medicine II, Würzburg University Hospital, Germany; the Faculty of Pharmaceutical Sciences, Teikyo University, Japan; and the Institute of Functional Materials and Biofabrication, University of Würzburg, Germany.

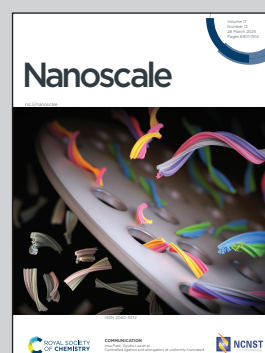
Enhanced antifungal activity of siRNA-loaded anionic liposomes against the human pathogenic fungus *Aspergillus fumigatus*

This study reports the development of siRNA-loaded anionic liposomes, co-encapsulating low-dose amphotericin B, to enhance siRNA penetration through the fungal cell wall of *Aspergillus fumigatus*. Targeting mRNAs of three key genes, these liposomes achieve a clear fungal growth inhibitory effect, demonstrating for the first time the antifungal potential of siRNA against human fungal pathogens.

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As featured in:



See Krystyna Albrecht, Andreas Beilhack *et al.*, *Nanoscale*, 2025, **17**, 7002.