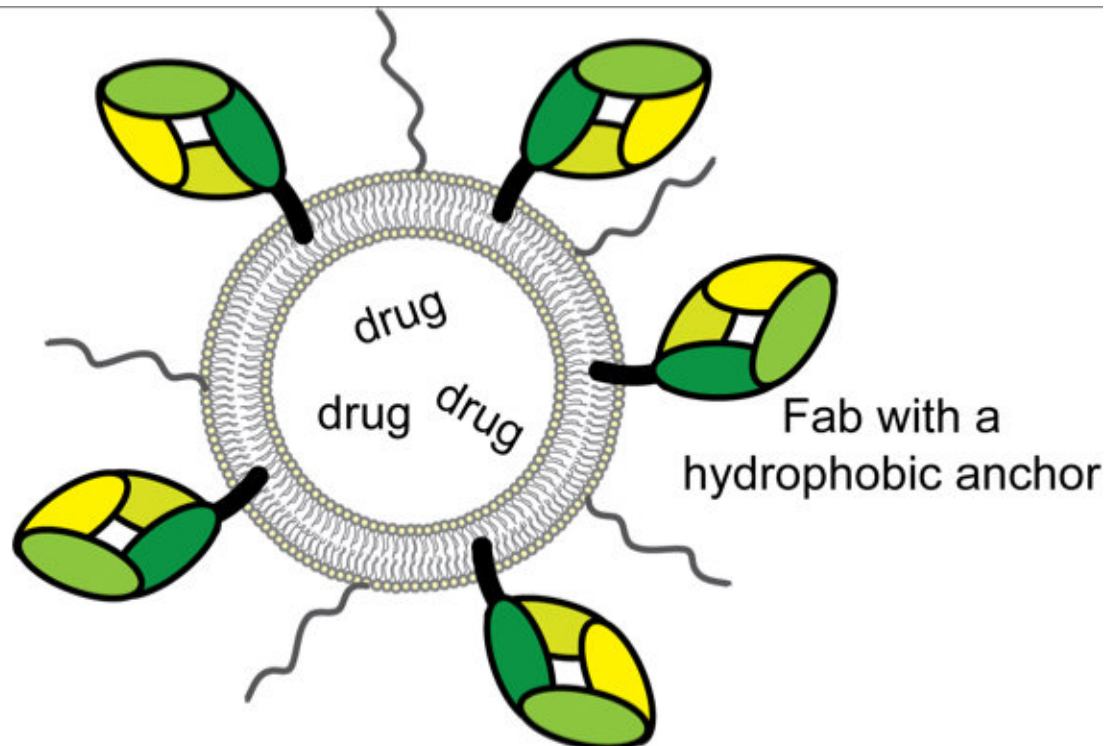


Researchers explore a new way of specific drug delivery using liposomes

October 25 2017



Fab-liposome

Illustration of the novel Fab-liposome functionalized with the hydrophobic anchor-equipped Fab fragment on the surface and harbouring a therapeutic drug in its core. Credit: Medical University of Vienna

Liposomes are successful drug delivery vehicles prescribed for several

types of cancer but also for treatment of fungal infections or pain management. Now researchers from the Medical University of Vienna show a straightforward method to functionalize liposomes for specific targeting, potentially paving the way to personalized medicine. The study has now been published in *Nanomedicine: Nanotechnology, Biology, and Medicine*.

The concept of liposomal [drug](#) delivery has revolutionised the pharmaceutical field and came into practice some 20 years ago when the first liposomal formulation of the anti-cancer drug doxorubicin was approved for clinical use. Liposomes,

Citation: Researchers explore a new way of specific drug delivery using liposomes (2017, October 25) retrieved 24 April 2024 from <https://medicalxpress.com/news/2017-10-explore-specific-drug-delivery-liposomes.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--