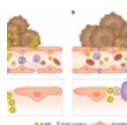


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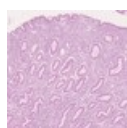
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### A nanoparticle's pathway into tumours

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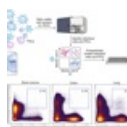
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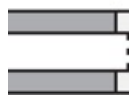
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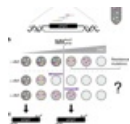
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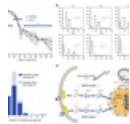
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### Rotavirus A shedding and HBGA host genetic susceptibility in a birth community-cohort, Rio de Janeiro, Brazil, 2014–2018

Carina Pacheco Cantelli, Alvaro Jorge Velloso, Rosane Maria Santos de Assis, José Júnior Barros, Francisco Campello do Amaral Mello, Denise Cotrim da Cunha, Patricia Brasil, Johan Nordgren, Lennart Svensson, Marize Pereira Miagostovich, José Paulo Gagliardi Leite[...]Marcia Terezinha Baroni de Moraes  
Scientific Reports 10, 6965

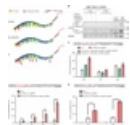


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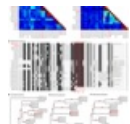


## Chemical modifications of adenine base editor mRNA and guide RNA expand its application scope

Cas9 base editors are promising tools for correcting pathogenic single nucleotide mutations. Here the authors chemically modify mRNA encoding the editor and the gRNA to enhance editing and broaden its application.

Tingting Jiang, Jordana M. Henderson, Kevin Coote, Yi Cheng, Hillary C. Valley, Xiao-Ou Zhang, Qin Wang, Luke H. Rhym, Yueying Cao, Gregory A. Newby, Hermann Bihler, Martin Mense, Zhiping Weng, Daniel G. Anderson, Anton P. McCaffrey, David R. Liu[...]Wen Xue  
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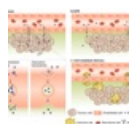
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Marcos Fernando Basso, Isabela Tristan Lourenço-Tessutti, Reneida Aparecida Godinho Mendes, Clidia Eduarda Moreira Pinto, Caroline Bournaud, François-Xavier Gillet, Roberto Coiti Togawa, Leonardo Lima Pepino de Macedo, Janice de Almeida Engler[...]Maria Fatima Grossi-de-Sa  
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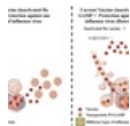
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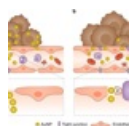
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## Protecting against different subtypes of influenza viruses: a nanoparticle approach

Changhua Yi, Yongxiang Yi, Junwei Li[...]Pradeep Kumar Sacitharan  
Signal Transduction and Targeted Therapy 5, 50

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## A nanoparticle's pathway into tumours

New evidence now suggests that the dominant mechanism of extravasation of nanoparticles into solid tumours may be through an active process of endothelial transcytosis.

Irene de Lázaro & David J. Mooney  
Nature Materials 19, 486-487

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## Challenging paradigms in tumour drug delivery

A collective effort from materials scientists, life scientists and clinicians is required to systematically address fundamental questions in the mechanisms of nanoparticle delivery in order to overcome the hurdles... [show more](#)

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Madhukar Pai  
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