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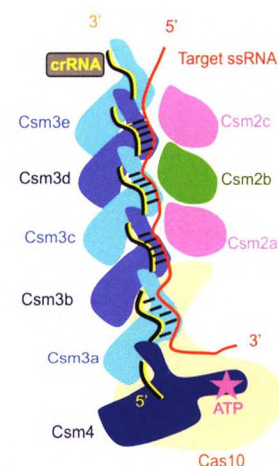
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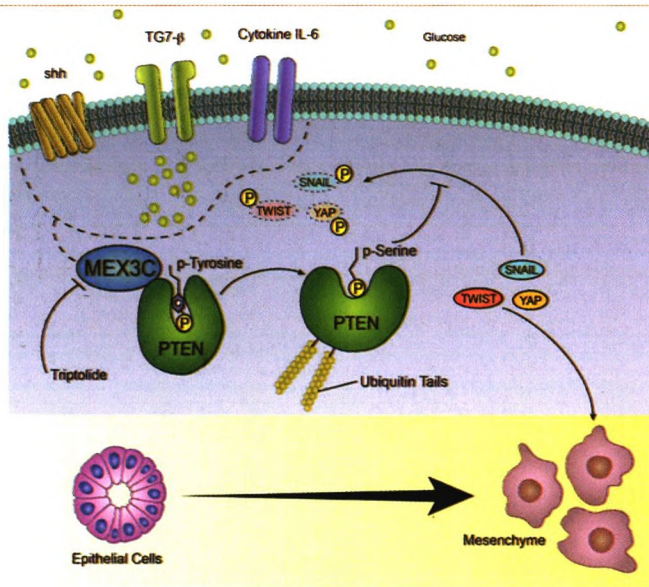
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Cover: The cover image illustrates how RNAi (terracotta warrior from Qin dynasty of China), as an “ancient” antiviral immunity mechanism, protects human neural progenitors (the wall) and brain organoids (beacon towers) from the invasion of Zika viruses. In antiviral RNAi, Dicer (the crossbow) produces viral siRNAs (the arrows) from viral dsRNA to specifically target and cleave viral genomic RNAs. Cover art is contributed by Dr. Yefei Li. See page 265-273 by Yan-Peng Xu et al. for details.



A cartoon shows the architecture of the type III-A CRISPR-Csm complex with target ssRNA using small conformation as an example. See page 305-312 by Minghui Guo et al. for details.



Graphic illustration of molecular mechanisms underlying PTEN-dependent EMT. See page 286-304 by Qingsong Hu et al. for details.

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ADVANCE ONLINE PUBLICATION

LSECtin on tumor-associated macrophages enhances breast cancer stemness via interaction with its receptor BTN3A3

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doi.org/10.1038/s41422-019-0155-6

Cortical branched actin determines cell cycle progression **Open**

Nicolas Molinie, Svetlana N. Rubtsova, Artem Fokin, Sai P. Visweshwaran, Nathalie Rocques, Anna Polesskaya, Anne Schnitzler, Sophie Vacher, Evgeny V. Denisov, Lubov A. Tashireva, Vladimir M. Perelmutter, Nadezhda V. Cherdynseva, Ivan Bièche and Alexis M. Gautreau

doi.org/10.1038/s41422-019-0160-9

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Cell Discov. 2018 Oct 16;4:55. doi: 10.1038/s41421-018-0056-8

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Cell Discov. 2018 Aug 14;4:45. doi: 10.1038/s41421-018-0043-0

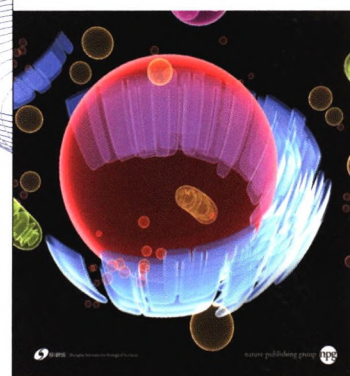
Structural visualization of RNA polymerase III transcription machineries

Cell Discov. 2018 Jul 31;4:40. doi: 10.1038/s41421-018-0044-z

Disruption of glial cell development by Zika virus contributes to severe microcephalic newborn mice

Cell Discov. 2018 Jul 31;4:43. doi: 10.1038/s41421-018-0042-1CR

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