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Review on Polycomb group protein function in cancer
Pre-rRNA organizes DNA damage repair factors in DSB repair
A novel STING agonist-adjuvanted pan-sarbecovirus vaccine
Elucidating the mechanism of SMO cholesterylation



Center for Excellence in Molecular Cell Science
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RESEARCH HIGHLIGHTS

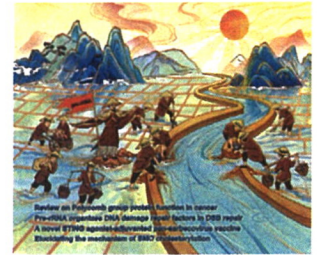
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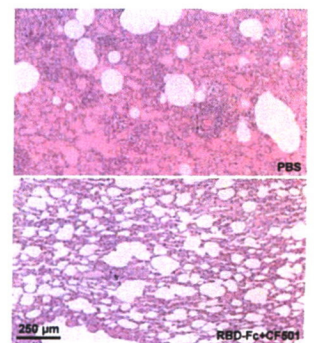
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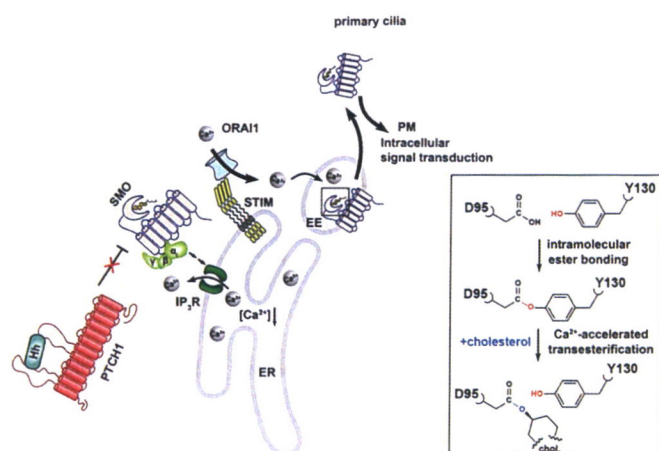
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Cover: The image describes a Chinese fairy tale, the "King Yu tamed the flood", wherein King Yu recruited and directed people to mend the broken river wall. Pre-ribosomal RNA interacts with MDC1 and may direct repair factors, such as TopBP1 and BRCA1, to DNA double-strand breaks in the XY body of male germ cells as well as in somatic cells. See page 254-268 by Xiaochen Gai et al. for details.



Histopathological staining of the lungs from macaques at day 7 after SARS-CoV-2 challenge, showing the protective effect of the CF501-adjuvanted RBD-Fc vaccine. See page 269-287 by Zezhong Liu et al. for details.



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Initial whole-genome sequencing and analysis of the host genetic contribution to COVID-19 severity and susceptibility

Cell Discov. 2020 Nov 10;6(1):83. doi: 10.1038/s41421-020-00231-4.

The differential immune responses to COVID-19 in peripheral and lung revealed by single-cell RNA sequencing

Cell Discov. 2020 Oct 20;6:73. doi: 10.1038/s41421-020-00225-2.

Immune cell profiling of COVID-19 patients in the recovery stage by single-cell sequencing

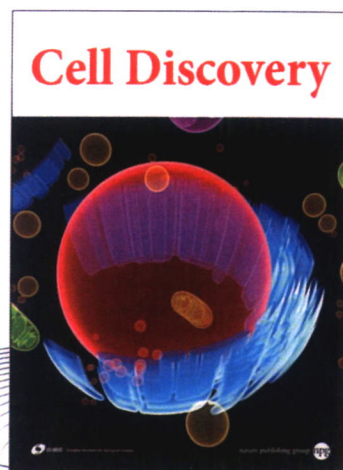
Cell Discov. 2020 May 4;6:31. doi: 10.1038/s41421-020-0168-9.

Phosphorylation of cGAS by CDK1 impairs self-DNA sensing in mitosis

Cell Discov. 2020 Apr 28;6:26. doi: 10.1038/s41421-020-0162-2.

Single-cell RNA sequencing reveals the heterogeneity of liver-resident immune cells in human

Cell Discov. 2020 Apr 28;6:22. doi: 10.1038/s41421-020-0157-z.



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