

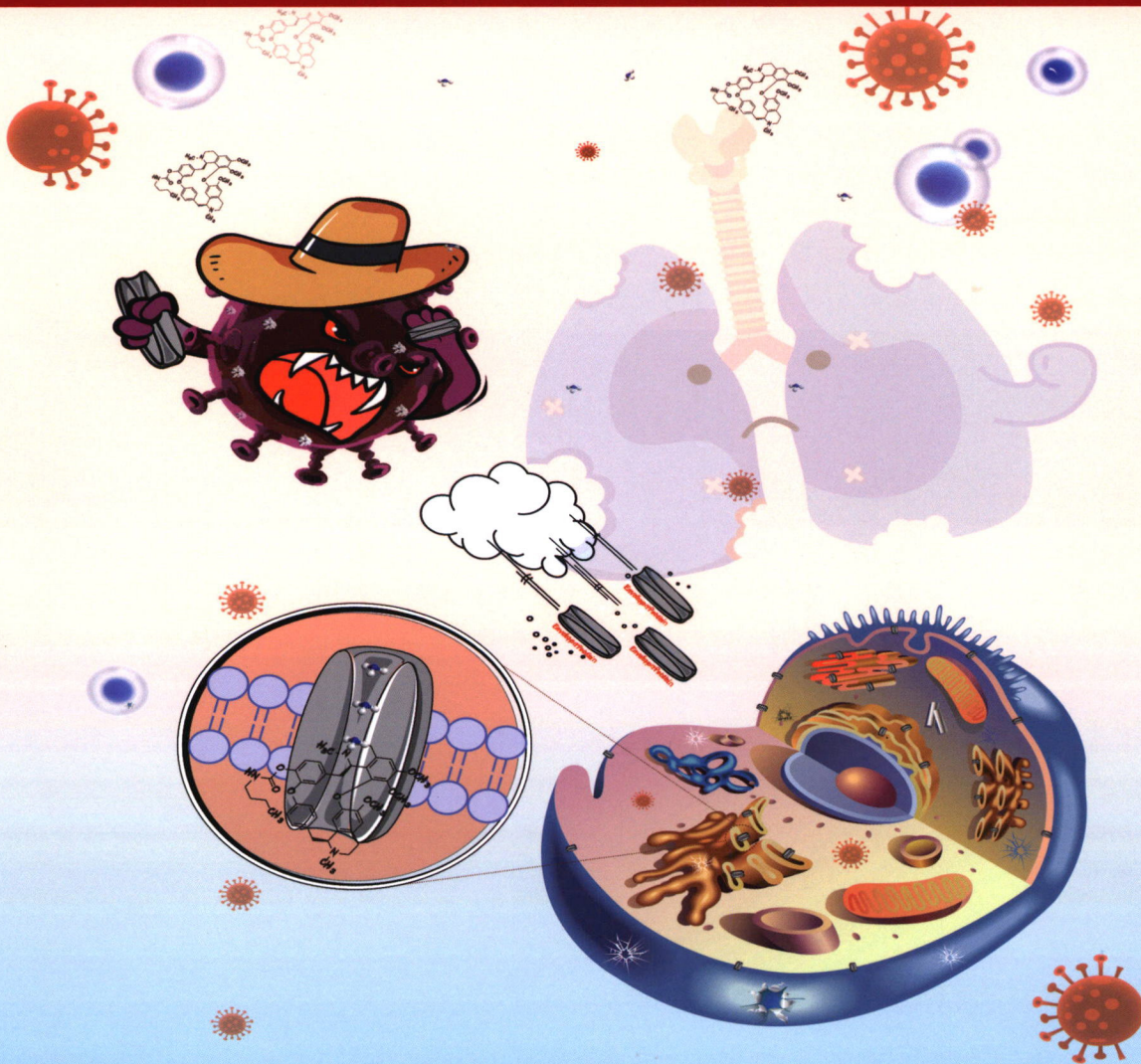
# Cell Research



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**A cohort autopsy study defines COVID-19 systemic pathogenesis**  
**SARS-CoV-2 2-E protein causes ARDS-like damages and is a drug target**  
**m<sup>6</sup>A modification orchestrates LINE-1-host interactions**  
**Defining pancreatic endocrinogenesis by single-cell RNA sequencing**

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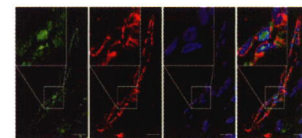
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**Cover:** SARS-CoV-2 envelope protein (2-E) attacks host cells offensively via forming a type of cation channels on biological membranes. The newly identified channel blocker BE-33 exhibits excellent anti-viral activity in a mouse model of SARS-CoV-2 infection. 2-E channel is a promising drug target against SARS-CoV-2. See page 847-860 by Bingqing Xia et al. for details.



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**Featured articles**

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.

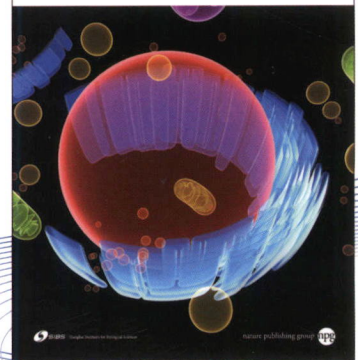
Phosphorylation of cGAS by CDK1 impairs self-DNA sensing in mitosis

*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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