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Myofiber necroptosis promotes muscle stem cell function
AhR signaling stimulates mucus production in COVID-19
Structural insights into cGAS inhibition by nucleosome
Cryo-EM structure of GLP-2R in complex with GLP-2 and Gs



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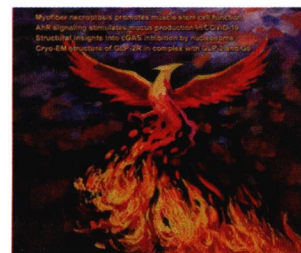
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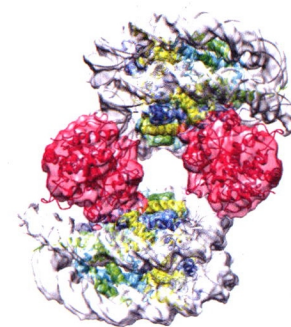
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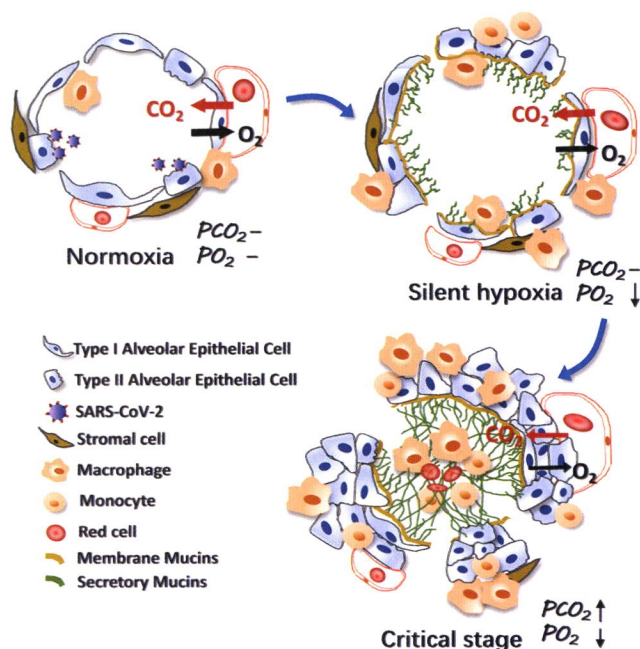
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Cover: Necroptosis, the death traded for regeneration. See page 1063-1077 by Shen'ao Zhou et al. for details.



High-resolution composite cryo-EM map of the 2:2 cGAS-nucleosome complex. See page 1088-1097 by Duanfang Cao et al. for details.



During SARS-CoV-2 infection, thickened blood–gas barrier caused by mucin sticking hinders O_2 crossing but not CO_2 at the beginning (silent hypoxia). Upon the disease progression, more mucin production in combination with inflammation-induced exudate further increases barrier thickness, impeding the exchange of both O_2 and CO_2 (critical illness). See page 1078–1087 by Yuying Liu et al. for details.

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Featured articles

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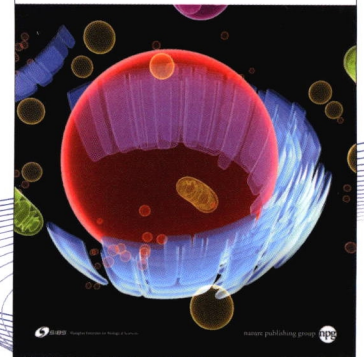
Phosphorylation of cGAS by CDK1 impairs self-DNA sensing in mitosis
Cell Discov. 2020 Apr 28;6:26. doi: 10.1038/s41421-020-0162-2.

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.

Comparative genetic analysis of the novel coronavirus (2019-nCoV/SARS-CoV-2) receptor ACE2 in different populations
Cell Discov. 2020 Feb 24;6:11. doi: 10.1038/s41421-020-0147-1.

Generation and characterization of a novel knockin minipig model of Hutchinson–Gilford progeria syndrome
Cell Discov. 2019 Mar 19;5:16. doi: 10.1038/s41421-019-0084-z.

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