

Lessons from how bats resist covid could inform new treatments in humans

leopeebles • 2 days ago



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Treatises published in prestigious journals, *Scientific immunochemistry* By studying the response of bats to SARS-CoV-2, can provide important insights into when and how to optimally use existing treatments for COVID-19 and to develop new treatments. Explore the idea.

This review, led by Professor Marcel Cold and Associate Professor Claudia Cold of the Monash University Pediatrics and Hudson Medical Institute, was co-authored with colleagues in Australia and China to discuss how the virus that caused the current outbreak occurred. This is the main review of. Pandemics cause havoc **Human immune system..**

Since its first identification in December 2019, SARS-CoV-2 has been mutated into several variants. The Delta variant is more infectious than the original strain. Specifically, according to

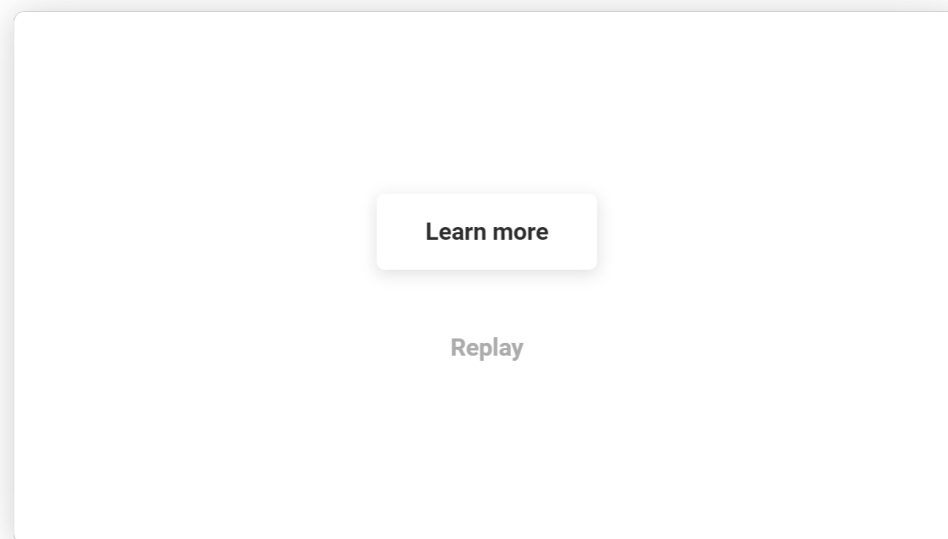
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He states that "the need for effective treatments, at least in part due to the emergence of mutations," remains urgent.

The authors say, "Preventing SARS-CoV-2 infection, or allowing patients to eradicate it, represents the ultimate goal in the fight against COVID-19, but which is definitely possible? I'm not sure."

"Therefore, efforts to identify safe and effective treatments to prevent COVID from progressing to moderate to severe stages are important in the fight against the disease," said Professor Cold.



Bats are infected with the virus, but the disease is minimal. The authors state that "prevents the progression to a serious illness, or effectively treats it, in other words, emulates it." **Bat**— Will significantly relieve suffering and save lives. "

According to Associate Professor Nord, studying how bats resist the coronavirus is highly anticipated not only for SARS-CoV-2 infection, but also for "preparing for the next epidemic or pandemic." ..

According to reviews, the common ancestor of the current COVID virus is likely to have appeared in bats 40 to 70 years ago, but "the exact bat species or intermediates involved in the 2019 outbreak. The host remains elusive. "

Bats can infect each other with SARS-CoV-2, but they do not show clinical efficacy and do not show the same lung problems that have a less serious effect on humans.

The authors suggest that some of the ways bats appear to resist COVID can be used in treatments such as fine-tuning the human immune response to the virus in ways that bats appear to use. doing. A disease has occurred that blocks the inflammasome to mimic what happens in bats.

"This can minimize the excessive inflammation, weakened immunity, and cytokine storms that humans experience," said Nord.

Based on these insights, interdisciplinary authors may be promising for the best strategies for selecting and timing the various treatments available today, and for relieving the pain caused by COVID-19 worldwide.

Comment on some of the currently undeveloped methods.

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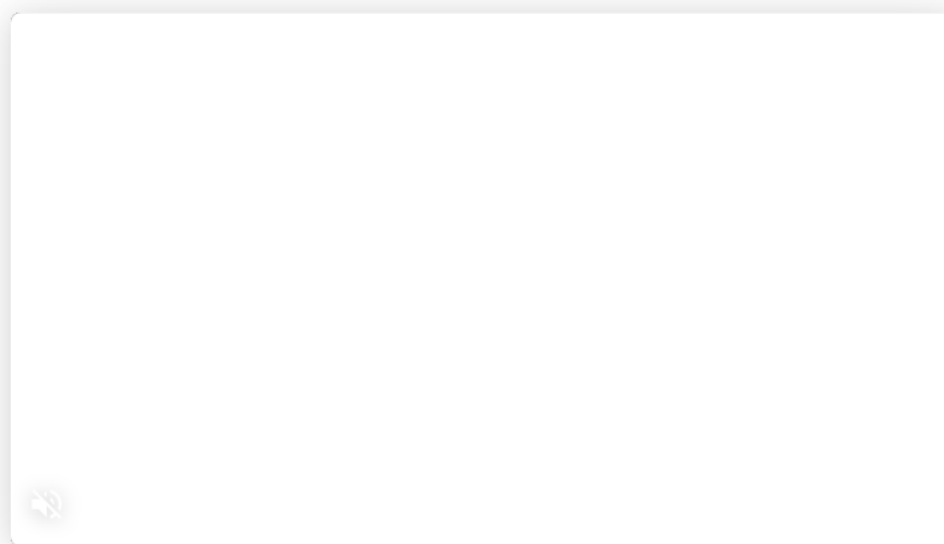
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Quote: The lesson from how bats resist covid is humans taken on September 17, 2021 from <https://medicalxpress.com/news/2021-09-lessons-resist-covid-treatments-humans.html> New treatments for (September 17, 2021) can be informed

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