

From: Munster, Vincent (NIH/NIAID) [E]
Sent: Sun, 06 Oct 2019 09:31:26 -0600
To: Letko, Michael (NIH/NIAID) [F]
Subject: Re: Definitely on the right track

So they focus on S rather than the receptor, but your work suggests more receptor activation, right?

You should be able to make S with a more broader cleavage signature (like furin-like) to enhance infectivity. You can include a motif like this R-X-[K/R]-R↓ Might be cool to get some synthesized

Are you using caco-2 cells as well, I think so but can't remember out of the top of my head

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From: Michael Letko (b)(6)
Date: Friday, October 4, 2019 at 4:01 PM
To: (b)(6)
Subject: Definitely on the right track

Vineet and Baric just put a paper on BioRxiv showing that trypsin treatment facilitates entry of both PDF2810-CoV and HKU5 into human cells.

See attachment.

Seems like more groups will be converging on this idea soon...

-michael

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From: Munster, Vincent (NIH/NIAID) [E]
Sent: Fri, 04 Oct 2019 16:39:58 -0600
To: Letko, Michael (NIH/NIAID) [F]
Subject: Re: Definitely on the right track

Better get your stuff wrapped up!

Maybe smtg on trypsin rich environments on mucosal surfaces?

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