← Post



Some references for the article by @SharriMarkson



theaustralian.com.au

The Covid-19 conclusion we weren't allowed to know

Buried away inside one of the US intelligence agencies' secret laboratories, a group of eminent scientists examined the structure of Covid-19 in order to ...

5:51 PM · Aug 24, 2023 · **5,596** Views

18 Reposts 4	1 Quotes 74 Likes	20 Bookmarks		
Q	t⊋	\Diamond	土	



Post your reply!

Reply



Louis R Nemzer @BiophysicsFL · Aug 24

Defense Intelligence Agency's National Center for Medical Intelligence (NCMI) vs Office of the Director of National Intelligence (ODNI)

But the scientists at the Defence Intelligence Agency's National Centre for Medical Intelligence (NCMI) remain unknown and their endeavours to uncover the origins of Covid-19 have gone publicly unrecognised.

Worse, there have even been attempts, at the highest levels of the US government to censor them and keep their discoveries secret. Today, for the first time, we hear their extraordinary story and reveal the lengths taken to hide from the public their categorical discovery and scientific conclusions. Sources familiar with the work that unfolded inside the intelligence agency and the scientists' interactions with the Office of the Director of National Intelligence spoke to The Australian for this investigation.

1,656



Louis R Nemzer @BiophysicsFL · Aug 24

"a minimal insert region (amino acids 310 to 518) was found to be sufficient to convert the SL-CoV S from non-ACE2 binding to human ACE2 binding" (from 2008)

pubmed.ncbi.nlm.nih.gov/18077725/

One of the scientists discovered that the size and location of a fragment of Covid-19 resembled a fragment in Wuhan Institute of Virology research from more than a decade earlier, in 2008. It involved the same technique the Wuhan institute used in grant

| Difference in Receptor Usage between Severe Acute Respiratory Syndrome (SARS) Coronavirus and SARS-Like Coronavirus of Bat Origin | Waze Ren, 14 Xiuxia Ou. 21 Hongkui Deng. 2 and Zhengii Shit. State Coronavirus of Bat Origin | Waze Ren, 14 Xiuxia Ou. 21 Hongkui Deng. 2 and Zhengii Shit. State Coronavirus of State Coro

applications to make chimeric viruses. "This paper is the smoking gun of everything. When the team reviewed this data, they thought 'This is created in the lab. It's a reverse genetics construct," a source said.

13 13

lab. It's a reverse genetics construct," a source said.



Louis R Nemzer @BiophysicsFL · Aug 24 Response to "Proximal Origin"

Available here: drasticresearch.files.wordpress.com/2023/05/an-arg...

38

•••

仚

When the Proximal Origins paper was published – claiming there was no evidence for a laboratory construct – Cutlip and his colleagues were stunned.

When Fauci and Francis Collins used it to insist the virus was natural, saying the matter had been settled, they were shocked.

These apolitical virologists could see beyond the inconclusive and biased commentary published by the esteemed medical journal.

They vehemently disagreed with the Proximal origin analysis.

UNCLASSIFIED

WORKING PAPER 26 MAY 2020: Critical analysis of Andersen et al. The proximal origin of SARS-CoV-2.

CDR Jean-Paul Chretien & Dr. Greg Cutlip (DIA/NCMI)

1. Background. The origin of SABS-CoV-2 remains uncertain. Some of its features are unique among the most closely-related known coronaviruses, and a progenitor virus has not been identified. In February 2002, several respects in virology from the U.S. U.K. and Australia co-authored an assessment, posted to a virology blog, of the notable features of SABS-CoV-2 and what they suggest about its origin (Andersenet al., 2003a). The post subsequently was published as a letter-to-the editor in *Author Medicine*, a prestigious scientific journal (Andersenet al., 2003b). Andersenet al. conducted that the virus probably arose naturally, not by any sort of laboratory manipulation. Prominent scientists have cited their paper as decisive support for a natural origin scenario (Californet et al., 2002; Gillins, 2002).



Louis R Nemzer @BiophysicsFL · Aug 24 Ingredients are (almost) there

"In the context of this research, SARS-CoV-2 could have been synthesised by combining a backbone from a coronavirus similar to RaTG13 with the receptor binding domain of a coronavirus similar to the one recently isolated from pangolins. Such research might have aimed to investigate pangolins as possible intermediate hosts for bat coronaviruses potentially pathogenic for humans, and would have been consistent with the longstanding line of investigations described above."

Q 2

1 3

O 27

ılı 715

土



Louis R Nemzer @BiophysicsFL · Aug 24 See this article from @Rossana38510044 and @ydeigin

onlinelibrary.wiley.com/doi/full/10.10...

••

CREATING CHINESES COV. WITH NOVEL RBD HAS COME ON HOT RESEARCH COVER. THE NOVEL RBD HAS COME ON HOT RESEARCH COVER. THE NOVEL RBD HAS COVER ON HOT RESEARCH COVER OF THE NOVEL RESEARCH COVER OF THE N

The esteemed authors go on to say that "laboratories also have directly inserted furin cleavage sites into



Louis R Nemzer @BiophysicsFL · Aug 24 Between Proximal Origin and the 2021 Biden Intelligence request

While their recommendations and working products are highly technical, there are four main reasons for why they found that SARS-CoV-2 was most likely genetically engineered.

They thought perhaps the backbone was related to the virus miners in Mojiang, China, caught in 2012 and had been modified.

Then came the discovery that was described internally as the smoking gun. The majority of the SARS-COV-2 virus genome is similar to bat coronaviruses. However, a small region of the spike gene, encoding the spike protein's receptor binding

After the group's initial May 2020 paper, they continued to work on the virus, examining classified intelligence their agency and others collected, along with scientific papers in the public domain.

By June 2020, their genomic analysis of amino acids and nucleotides was producing fairly conclusive findings that Covid-19 was genetically engineered.

domain (RBD), is identical to that of the pangolin coronavirus MP789.

Q 1

1 4

O 22

11 553

土



Louis R Nemzer @BiophysicsFL · Aug 24 Pangolin coronavirus isolate MP789, complete genome

ncbi.nlm.nih.gov/nuccore/MT1212...

Q

tl 1

O 19

ılı 427

土



Louis R Nemzer @BiophysicsFL · Aug 24 2008 minimal insert region = Pangolin MP789 = SARS2?

Hardham reported to NCMI that the size and location of the pangolin fragment in SARS-CoV-2 was similar to the same RBD fragment described in one of Wuhar institute's previous research publications.

In a 2008 paper by Shi Zhengli and Ren Wuze, the Wuhan researchers identified the minimal cassette that would be necessary to change the binding to different host ACE2 receptors – this refers to how the

virus crosses from species to species.

Once the Wuhan researchers identified the minimal RBD cassette, they proposed using this same technique in their future work – including in grant proposals sent to the National Institutes of Health and the Defence Advanced Research Projects Agency.

This same technique (minimal cassette) is found in SARS-CoV-2.

Q 1 tl 8

 \bigcirc 28

11 847

仚



Louis R Nemzer @BiophysicsFL · Aug 24

Codon optimization, and a point mutation to add a restriction enzyme site.

Construction of expression plasmids. The construction of a codon-optimized spike (S) protein gene of SARS-CoV BJ01 (BJ01-S) in pcDNA3.1(+) was described previously (34, 46). The full-length S gene of a bat SL-CoV (Rp3) was cloned by PCR amplification from cDNA prepared using fecal samples from an R. pearsonii bat positive for SL-CoV (29). After codon optimization for the first 400 aa at the N terminus, the modified S gene was cloned into pcDNA3.1(+). For introduction of the RBM of SARS-CoV S into the SL-CoV S, the coding region from aa 424 to 494 of BJ01-S was used to replace the corresponding regions of Rp3-S, resulting in a chimeric S (CS) gene designated $CS_{424-494}$. Using the same strategy, a series of CS genes with BJ01-S sequences were constructed by stepwise replacement. To facilitate the construction of S chimeras, a point mutation (A to G) at nucleotide 1825 (the A residue of the ATG codon was designated nucleotide 1) was introduced to generate a unique EcoRI site in the S open reading frame. The chimera $CS_{424-494}$ was confirmed by full-length sequencing to ensure that no unexpected mutation was introduced during the PCR processes. For other chimeras constructed using CS₄₂₄₋₄₉₄ as a donor

 \bigcirc 2

tl 4

© 30

ılıı 675

仚



Louis R Nemzer @BiophysicsFL · Aug 24 Minimal insertion?

Q 1

۲Ţ

O 14

ılı 394

土





Louis R Nemzer @BiophysicsFL · Aug 24 Pangolin coronavirus isolate MP789 vs.

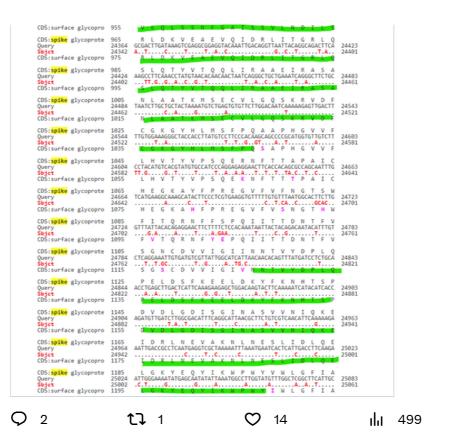
SARS coronavirus BJ01



Louis R Nemzer @BiophysicsFL · Aug 24 More fun with BLAST

仚

. . . .





Louis R Nemzer @BiophysicsFL · Aug 24

"This paper is a smoking gun of everything...this is created in the lab. It's a reverse genetics construct."

仚

They also found scientific papers in which Shi Zhengli, who had worked at Utrecht University in The Netherlands, described working with furin cleavage sites in the precise location where they appeared in SARS-CoV-2. "Shi helped research furin cleavage sites in The Netherlands laboratory that are very similar to SARS-CoV-2," sources close to the inquiry told The Australian.

"This paper is the smoking gun of everything. Figure 7 is literally the description of the pangolin RBD insert. When the team reviewed this data, they thought 'This is created in the lab. It's a reverse genetics construct.' They identified the minimal cassette required to change the host range."



Louis R Nemzer @BiophysicsFL · Aug 25

The paper that discovered SL-CoV Rp3, that they used as the "not human ACE2 using" baseline virus from 2005.

ecohealthalliance.org/wp-content/upl...

Bats Are Natural Reservoirs of SARS-Like Coronaviruses

Wendong Li, ^{1,2} <mark>Zhengli Shi, ²* Meng Yu, ³ Wuze Ren, ² Craig Smith, ⁴ Jonathan H. Epstein, ⁵ Hanzhong Wang, ² Gary Crameri, ³ Zhihong Hu, ² Huajun Zhang, ² Jianhong Zhang, ² Jennifer McEachern, ³ Hume Fleid, ^{*} Peter Daszak ⁵ Bryan T. Eaton, ³ Shuyi Zhang, ^{1,6}* <mark>Lin-Fa Wang, ³*</mark></mark>

Severe acute respiratory syndrome (SARS) emerged in 2002 to 2003 in southern China. The origin of its etiological agent, the SARS coronavirus (SARS-CoV), remains elusive. Here we report that species of bats are a natural host of coronaviruses closely related to those responsible for the SARS outbreak. These viruses, termed SARS-like coronaviruses (SL-CoVs), display greater genetic variation than SARS-GV isolated from humans or from civets. The human and civet isolates of SARS-GV nestle phylogenetically within the spectrum of SL-CoVs, indicating that the virus responsible for the SARS outbreak was a member of this coronavirus group.

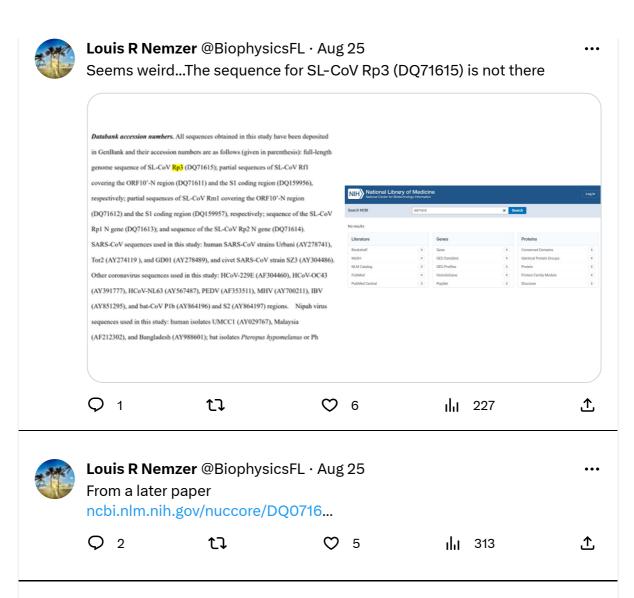
A complete genome sequence was determined directly from PCR products from one of the fecal samples (sample Rp3) that contained relatively high levels of genetic material. The genome organization of this virus (Fig. 1), tentatively named SARS-like coronavirus isolate Rp3 (SL-CoV Rp3), was essentially identical to that of SARS-CoV, with the exception of three regions (Fig. 1, shaded boxes). The overall nucleotide sequence identity between SL-CoV Rp3 and SARS-CoV Tor2 was 92% and increased to ~94% when the three variable regions were excluded. The variable regions are located at the 5' end of the S gene (equivalent to the S1 coding region of coronavirus S protein) and the region immediately upstream of the N gene. These regions have been identified as "high mutation" regions among different SARS-CoVs (5, 16, 17). The region upstream of the N gene is known to be prone to deletions of various sizes (5, 16, 18).



Louis R Nemzer @BiophysicsFL · Aug 25 From the supplementary material

science.org/doi/10.1126/sc...







Louis R Nemzer @BiophysicsFL · Aug 25 Guess it was missing the leading zero

Q 2

tl

 \bigcirc 6

11 355

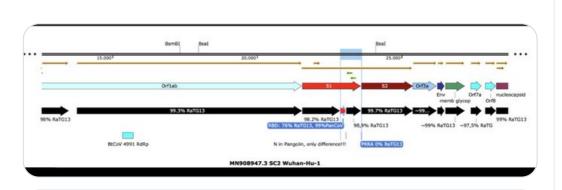
仚



Louis R Nemzer @BiophysicsFL · Aug 25

OK, Short version. Although the "perfect insertion" of the FCS got alot of attention, there is another swap that the Intel people noticed. The receptor binding motif of one virus inside the backbone of another, just like the WIV did in 2008

h/t @VBruttel





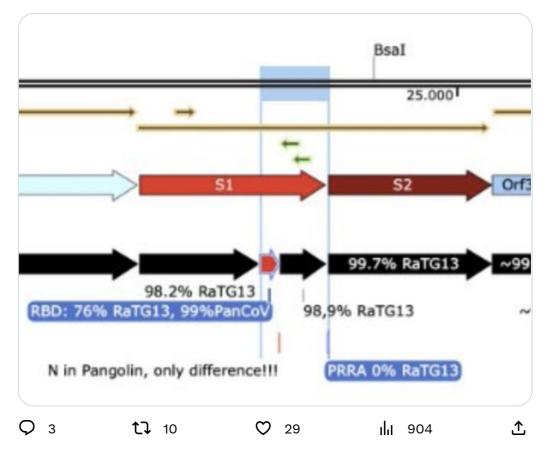


Louis R Nemzer @BiophysicsFL · Aug 25

So you end up with TWO 'immaculate insertions' into a RaTG13/BANAL - like backbone.

- The FCS that appears in no other known Sarbecovirus
- The Receptor Binding Motif from the 'pangolin' viruses of sketchy origin

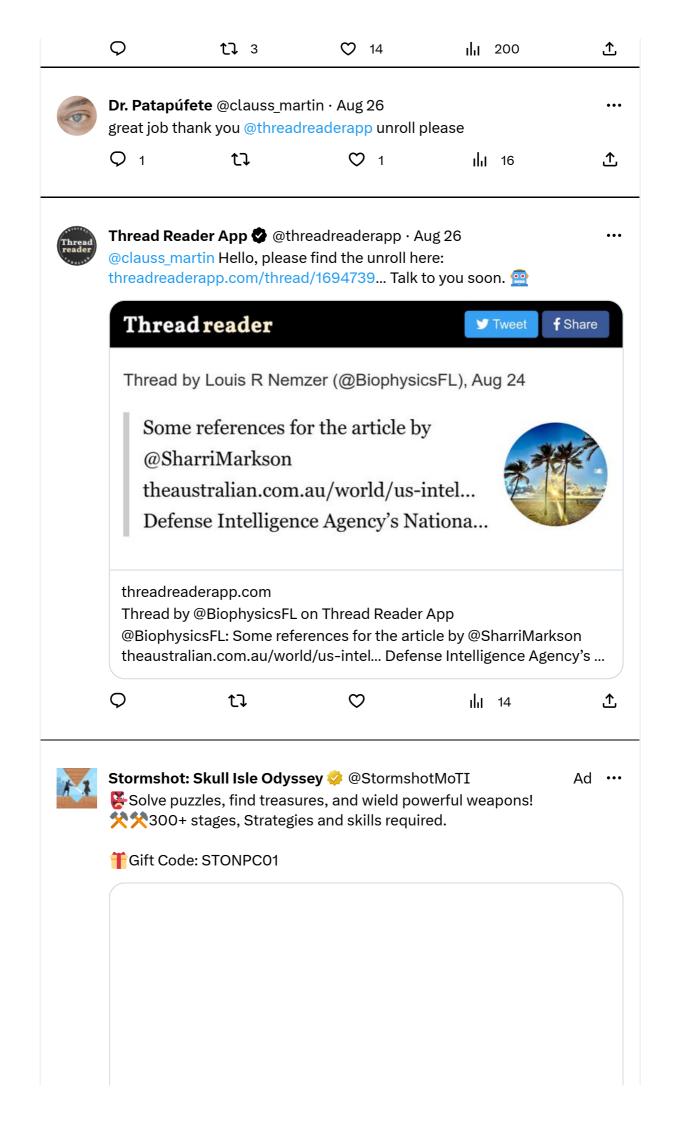
Very hard to rationalize as a natural 'recombinant' or 'mosaic'





JeanTargetter 🥯 🧳 @Kingkiko61 · Aug 24

The "non-ACE2 binding to human ACE2 binding" statement demonstrates how appallingly irresponsible the "Proximal Origin" team was. They should've warned, early on, of the potential for an airborne-transmissible virus when China and WHO said it wasn't.





Discover more

Sourced from across Twitter



Ema Nymton @EmaNymton90 · 3h

1\ People are saying that the natural origin scenario of Worobey and co. is the most parsimonius explanation, but that is only true if you ignore the facts, when you look at the details, it gets quite whacky

Q 3

12

♥ 35

1,484

土



Really? How was it acquired illegally Eddie? Certainly wasn't me, I've no idea how to hack Sydney Uni. China probably does though, maybe it was them?

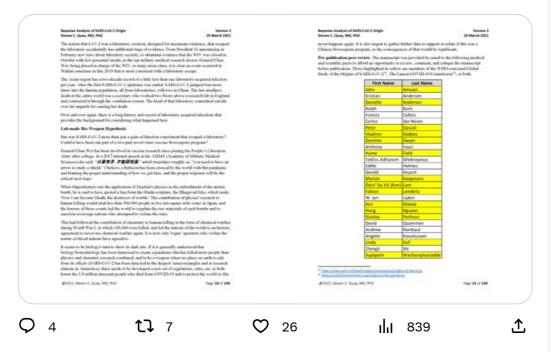




In this Mar 21 version of my Dec 20 analysis at the request of US State Dept, I compared the role chemists, physicists, & now biologists played in the last 110 y in killing other humans

'Oppenheimer' dramatized this well.

But biologists win the contest for 'deadliest' science.





Francesco Esposito @FrancescoEsp33 · 23h

1/ After watching the Oppenheimer movie I'm thinking that what was done at the time with the Manhattan project, making the world of physics lose its innocence for the first time, could represent what is happening today with the field of biology.

