

**Important:** e-prints posted on arXiv are not peer-reviewed by arXiv; they should not be relied upon without context to guide clinical practice or health-related behavior and should not be reported in news media as established information without consulting multiple experts in the field.

*[Submitted on 13 May 2024]*

## No evidence of systematic proximity ascertainment bias in early COVID-19 cases in Wuhan Reply to Weissman (2024)

Florence Débarre, Michael Worobey

In a short text published as Letter to the Editor of the Journal of the Royal Statistical Society Series A, Weissman (2024) argues that the finding that early COVID-19 cases without an ascertained link to Wuhan's Huanan Seafood Wholesale market resided on average closer to the market than cases epidemiologically linked to it, reveals "major proximity ascertainment bias". Here we show that Weissman's conclusion is based on a flawed premise, and that there is no such "internal evidence" of major bias. The pattern can indeed be explained by places of infection not being limited to residential neighbourhoods, and by stochasticity -- i.e., without requiring any ascertainment bias.

## Physics &gt; Physics and Society

[Submitted on 11 Jan 2024 (v1), last revised 20 May 2024 (this version, v5)]

# Proximity Ascertainment Bias in Early Covid Case Locations

M. B. Weissman

A comparison of the distances to the Huanan Seafood Market of early Covid cases with known links to the market versus cases without known links shows results apparently incompatible with a location model lacking proximity ascertainment bias. The sign of the difference instead agrees with a model in which such ascertainment bias is large. In the presence of such bias inferences based on the clustering of case locations become unreliable.

20 May 2024

**Addendum (not in the published JRSSA article):**

**Response to a Reply from Débarre and Worobey.**

Débarre and Worobey have posted a Reply(8) to my JRSSA paper(9) on the arXiv. Essentially, they now dismiss the p-value of 0.029 for the linked/unlinked displacement contrast given in the original Worobey et al. paper(2). They say that the original p-value may underestimate the

26 May 2024

Medium

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# Key South East Asia Grants — Overview



Gilles Demaneuf · [Follow](#)

10 min read · May 29, 2024

<https://gillesdemaneuf.medium.com/key-south-east-asia-grants-d78106856535>

6 June 2024



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# No, gain of function research did not cause COVID-19

SARS-CoV-2 first emerged in humans in 2019. Despite much noise generated by lab leak proponents, the evidence indicates a natural origin.

18 June 2024



**Planned intervention:** On Thursday 19/09 between 05:30-06:30 (UTC), Zenodo will be unavailable because of a scheduled upgrade in our storage cluster.

Published June 18, 2024 | Version v1

Presentation

 Open

# Opening Statement of Steven Quay, MD, PhD 18 Jun 2024 "Origins of COVID-19: An Examination of Available Evidence" Senate Committee on Homeland Security and Governmental Affairs

Quay, Steven<sup>1</sup> 

<https://zenodo.org/records/12082166>

8 July 2024









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## Bat Rhinacoviruses Related to Swine Acute Diarrhoea Syndrome Coronavirus Evolve under Strong Host and Geographic Constraints in China and Vietnam

by Alexandre Hassanin <sup>1,\*</sup> , Vuong Tan Tu <sup>2</sup> , Phu Van Pham <sup>2</sup> , Lam Quang Ngon <sup>2</sup> ,  
Thanina Chabane <sup>1</sup> , Laurent Moulin <sup>3</sup>  and Sébastien Wurtzer <sup>3</sup> 

*"We detected sequencing errors and artificial chimeric genomes in published data. The two SADS-CoV genomes previously identified as recombinant could also be problematic."*

15 July 2024



### Vaccin contre la COVID-19

Consultez les dernières informations sur le site du gouvernement français.

[En savoir plus](#)



 Plus d'infos sur Google

**Did COVID come from a lab? Matt Ridley vs. Stephen Goldstein**



18 July 2024

# **The Heritage Foundation's Nonpartisan Commission on China and COVID-19 Unveils Seismic Report on China's Negligence During Pandemic Resulting in \$18 Trillion in Economic Damages to Americans**

Jul 8, 2024 5 min read



23 July 2024

SPIEGEL Ausland



*SPIEGEL asked Shi Zhengli, the WIV's chief virologist, whether her institute began [DEFUSE] work without funding from the USA. "I don't want to answer that question," the scientist wrote by email. "It has nothing to do with the origin of Corona."*

<https://jamiemetzl.com/fauci-under-fire/>

<https://www.spiegel.de/ausland/coronavirus-anhoerung-im-us-kongress-zu-corona-anthony-fauci-unter-feuer-a-eb572ccb-2fb7-4870-8d5a-fda4abe463af>

28 July 2024

Article | [Open access](#) | Published: 28 July 2023

# Host susceptibility and structural and immunological insight of S proteins of two SARS-CoV-2 closely related bat coronaviruses

[Xiuyuan Ou](#), [Ge Xu](#), [Pei Li](#), [Yan Liu](#), [Fuwen Zan](#), [Pan Liu](#), [Jiaxin Hu](#), [Xing Lu](#), [Siwen Dong](#), [Yao Zhou](#), [Zhixia Mu](#), [Zhiqiang Wu](#), [Jianwei Wang](#), [Qi Jin](#), [Pinghuang Liu](#), [Jian Lu](#), [Xiangxi Wang](#) ✉ & [Zhaohui Qian](#) ✉

[Cell Discovery](#) **9**, Article number: 78 (2023) | [Cite this article](#)

*Here, we determined potential host susceptibility of BANAL-20-52 and BANAL-20-236 coronaviruses among 13 different bat species and 26 different animal species, and found that both might have extensive host ranges, indicating high zoonotic transmission potential.*

29 July 2024

VIRUS  
EVOLUTION

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# Poliovirus that infected a Chinese child in 2014 may have leaked from a lab


Samples destined for destruction at a Paris institute trigger a virological “detective story”

7 SEP 2024 · 6:20 AM ET · BY [KAI KUPFERSCHMIDT](#)

<https://www.science.org/content/article/poliovirus-infected-chinese-child-2014-may-have-leaked-lab>

JOURNAL ARTICLE

## Opening a 60-year time capsule: sequences of historical poliovirus cold variants shed a new light on a contemporary strain

Morgane Chesnais, Erika Bujaki, Typhaine Filhol, Vincent Caval, Marie-Line Joffret, Javier Martin, Nolwenn Jouvenet, Maël Bessaud 

*Virus Evolution*, Volume 10, Issue 1, 2024, veae063, <https://doi.org/10.1093/ve/veae063>

**Published:** 29 July 2024    **Article history** ▾

<https://academic.oup.com/ve/article/10/1/veae063/7723264?login=true>

That virus is WIV14, from the very same series of live isolates in which WIV15 is still missing. (WIV12 & WIV13 came from the Mojiang mine)

<https://x.com/franciscodeasis/status/1690101767751569408>

<https://x.com/coroldo1/status/1832592222480666887>



VIRUS  
EVOLUTION

Volume 10, Issue 1

2024

(In Progress)

2 Aug 2024




**Planned intervention:** On Thursday 19/09 between 05:30-06:30 (UTC), Zenodo will be unavailable because of a scheduled upgrade in our storage cluster.

Published August 2, 2024 | Version v1

Preprint

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# Anomalous US-wide prevalence of reversion mutants in the emergence of Omicron BA.1

Kakeya, Hideki<sup>1</sup> 

<https://zenodo.org/records/13158254>

17 Aug 2024



# U.S. RIGHT TO KNOW

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## WHO leader and Wuhan Institute of Virology collaborator clashed in ‘ugly’ meeting



[Emily Kopp](#) | August 17, 2024

P. Daszak in an email:

By the way, at one point after we returned from Wuhan, the DG openly tried to get us to change the conclusions of our poll that we held in China re. the lab leak, so it would be more likely than “extremely unlikely”. Utterly shameless, and of course we refused to do that and pointed out we were reporting results of an actual poll that had already been openly reported on. This led to us (in particular myself and (b)(6)) arguing openly with the DG in a very ugly 2 hour zoom call.

<https://usrtk.org/covid-19-origins/who-leader-and-wuhan-institute-of-virology-collaborator-clashed/>

17 Aug 2024



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## WHO leader and Wuhan Institute of Virology collaborator clashed in 'ugly' meeting



[Emily Kopp](#) | August 17, 2024

Jamie Metzl texted the director-general within hours of the Feb. 9 press conference, encouraging him and the WHO to put out a statement acknowledging that the lab hypothesis had not been adequately examined by the international group and that it deserved full consideration.

On February 10, Tedros responded, thanking Metzl for his message and committing to following up.

On February 11, Tedros clarified in a meeting with WHO member states that “all hypotheses remain open.”

<https://usrtk.org/covid-19-origins/who-leader-and-wuhan-institute-of-virology-collaborator-clashed/>





19 Aug 2024

# MOLECULAR ECOLOGY

ORIGINAL ARTICLE |  Open Access |     

## Phylogeography of horseshoe bat sarbecoviruses in Vietnam and neighbouring countries. Implications for the origins of SARS-CoV and SARS-CoV-2

Alexandre Hassanin , Vuong Tan Tu, Tamás Görföl, Lam Quang Ngon, Phu Van Pham, Chu Thi Hang, Tran Anh Tuan, Mathieu Prot, Etienne Simon-Lorière, Gábor Kemenesi ... [See all authors](#) 

First published: 19 August 2024 | <https://doi.org/10.1111/mec.17486>





Alexandre Hassanin and Vuong Tan Tu contributed equally to this work.

**Handling Editor:** Camille Bonneaud



30 Aug 2024

# Emergence of crucial evidence catalyzing the origin tracing of SARS-CoV-2

Shunmei Chen , Cihan Ruan , Yutong Guo, Jia Chang, Haohao Yan, Liang Chen, Yongzhong Duan, Guangyou Duan, Jinlong Bei, Xin Li , Shan Gao 

Published: August 30, 2024 • <https://doi.org/10.1371/journal.pone.0309557>

Article	Authors	Metrics	Comments	Media Coverage	Peer Review
					

## About the Authors

### Shunmei Chen

Contributed equally to this work with: Shunmei Chen, Cihan Ruan

ROLES: Formal analysis

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 <https://orcid.org/0000-0001-5502-7794>

*"Unfortunately, our research proposal was not funded."*

*"Future research should prioritize detecting RC0 and RC1 to confirm the above results using additional samples collected from Laos, Vietnam, and Yunnan of China."*

*"As there is no hope for us to be funded to continue the relevant research, we hope that other scientists will find value in our findings and consider incorporating our insights into their own work."*

4 Sep 2024

# WHO launches global framework for understanding the origins of new or re-emerging pathogens

4 September 2024 | News release | Reading time: 3 min (712 words)

Dr Tedros Adhanom Ghebreyesus, WHO Director-General: *"call on China to share all information it has on the origins Covid\_19, so that all hypotheses can be investigated."*



Open Access Article

# Forensic Genomic Analysis Determines That RaTG13 Was Likely Generated from a Bat Mating Plug

by **Steven E. Massey** 

Biology Department, University of Puerto Rico—Rio Piedras, San Juan, PR 00901, USA

*Microbiol. Res.* **2024**, *15*(3), 1784–1805; <https://doi.org/10.3390/microbiolres15030119>

**Submission received: 30 July 2024 / Revised: 31 August 2024 / Accepted: 3 September 2024 / Published: 5 September 2024**

10 Sep 2024

**spiked**

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# There is now very little doubt that Covid leaked from a lab

Opponents of the lab-leak theory have comprehensively lost the argument.

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MATT RIDLEY

*“arguing that previous pandemics began naturally, and therefore you should give natural theories the benefit of the doubt, is like saying no soldiers were killed by gunpowder in the Roman Empire, so we should assume people are being killed by swords and spears in Ukraine.”*

<https://www.spiked-online.com/2024/09/10/there-is-now-no-doubt-that-covid-leaked-from-a-lab/>

<https://archive.is/9J7qP>

13 Sep 2024



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47:07

# A scientist's search for the origins of COVID

September 13, 2024

By [Jonathan Chang](#) and [Meghna Chakrabarti](#)



Alina Chan's interview

<https://www.wbur.org/onpoint/2024/09/13/scientist-covid-lab-leak-alina-chan>

11 Aug 2024



**Sigrid Bratlie**  
@sigridbratlie

Strategic Advisor on biotech

...

Covid originating from a lab is a plausible scenario. It's in everyone's interest to get to the bottom of this so that we can better prevent future pandemics. Feature in Norway's biggest newspaper: [vg.no/nyheter/i/OoK...](https://vg.no/nyheter/i/OoK...)

@R\_H\_Ebright @JamieMetzl @Ayjchan @mattwridley



From vg.no

<https://x.com/sigridbratlie/status/1822397345205506245>

12:19 AM · Aug 11, 2024 · 104.2K Views

<https://vg.no/nyheter/i/>

14 Sep 2024



**Sigrid Bratlie** @sigridbratlie · Sep 14

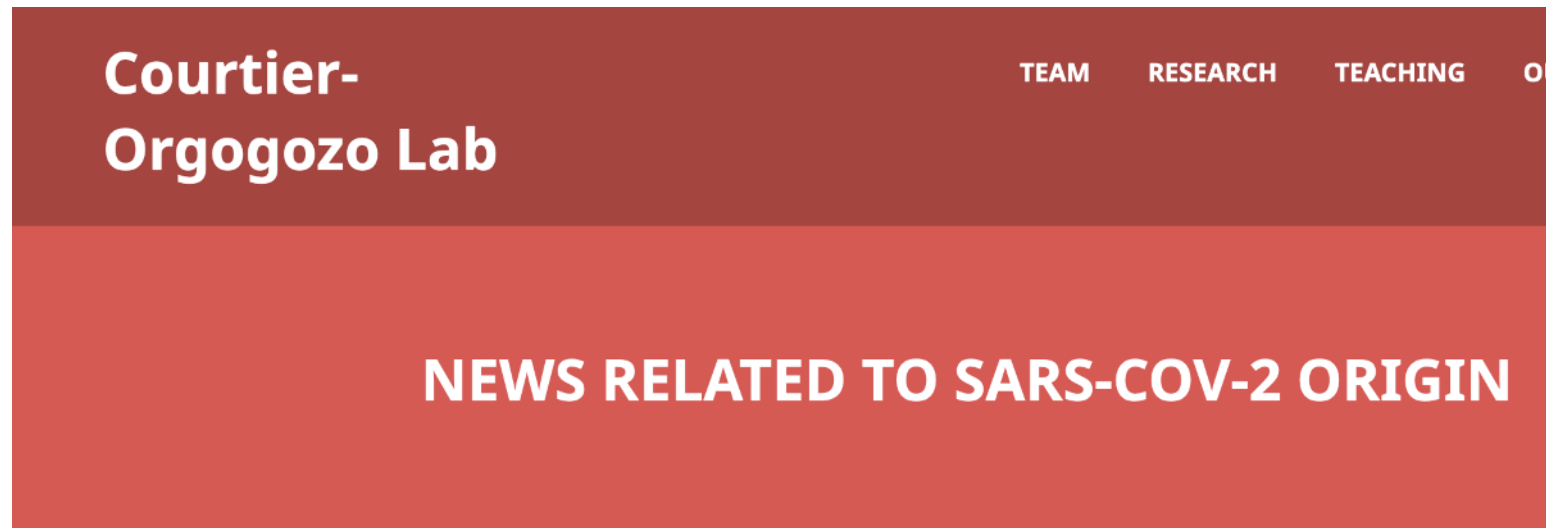
...

Replying to @sigridbratlie

2/We speak out for two reasons: 1) To protect the integrity of the scientific enterprise and ensure that we as representatives of the scientific community have trust when we address actual conspiracy theories and 2) to better prevent and prepare for future pandemics.

<https://x.com/sigridbratlie/status/1835041495831003282>

*All my introduction slides are available online  
<https://courtier.ijm.fr/news-covid-origin/>*



Here are the introduction slides presented at our international workshop entitled "***Evidence-based investigation of SARS-CoV-2 proximal origin***". They present key newspaper articles & scientific papers related to SARS-CoV-2 origin published over the years.

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