

SWR2 ars acustica

## **Keeping The Freezer Door Shut**

Ressourcen und Materialsammlung für das Hörspiel  
von Matt Wand

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Keeping the Freezer Door Shut. ( March 1st, 2021 )

Texts Compiled, Cut-up, constructed and annotated by Matt Wand - October 2020 to March 2021, specifically related to the Covid Global Crisis and focused on the idea that the Virus could have been leaked from a Research Laboratory and that there is a similar 'misinformation' virus we have yet to achieve Herd Immunity to. The final Narrated text to the Radioplay "Haltet die Eisschranktür geschlossen" ( Keeping the Freezer Door Shut ) was constructed from paragraphs and sentences drawn from this resource. The mere tip of the Fatberg! Approximately 90% of the background sounds for the final soundwork was made from subjecting these words and Cut-Up/Fold-In versions of texts also sourced from this repository to "Serial Passaging" processing and mutation in the audio domain in an approximation/mirror of what might be taking place in Viral Research Institutions around the world and IS most certainly taking place in the petri dish of social media. The voices for these ' audio viruses ' were as often Synthetic as they were Human.

Towards the end of this document are some credited texts from online articles that appeared during the final weeks of preparing the radio play when the W.H.O. team started to release statements around their Wuhan investigative trip.. I was slightly nervous that the Lab Leak would be somehow proven and the premise of my Hörspiel would be made redundant before it's March 2nd broadcast.. it seems I did not need to worry , neither Nature nor Lab seems to yet be validated or irrefutably ruled out.. Will it ever be? Also at the end there are several links to online articles that inspired this piece or might prove interesting reading given the context.

Many thanks are due to William Burroughs, Brion Gysin, Nicholson Baker, Lena Drieschner, Frank Halbig, Felix Kubin, The Bulletin of the Atomic Scientist and all the authors or spokespersons quoted, paraphrased, mocked or mutated here.

the 'cloned fragments':

there is no direct evidence for an experimental mishap — no written confession, no incriminating notebook, no official accident report.

we need to stop hunting for new exotic diseases in the wild, shipping them back to laboratories, and hot-wiring their genomes to prove how dangerous to human life they might become.

machines that mix and mingle the viral code for bat diseases with the code for human diseases —

The term gain of function is itself a euphemism;

there have been very few publicised accidents over the years. But there have been some. as for the unpublicised.....?

Of the three, smallpox, researched at only two facilities in the world by international agreement, poses the smallest threat of laboratory escape.

"A rigorous and transparent risk-assessment process for this work has not yet been established.

we were warned that there was an 80 percent chance, given how many laboratories were then handling virulent virovirietals, that a leak of a potential pandemic pathogen would occur sometime in the next 12 years. ( klotz 2012 )

A lab accident — a dropped flask, a needle prick, a mouse bite, an illegibly labeled bottle — are all apolitical

Proposing that something unfortunate happened during a scientific experiment in Wuhan where COVID-19 was first diagnosed and where there are three high-security virology labs, one of which held in its freezers the most comprehensive inventory of sampled bat viruses in the world — isn't a conspiracy theory. It's just a theory

Keeping the Freezer Door Shut.

in some ways we are privileged to be witnessing mankind extinguishing itself merely by leaving a fridge door open.

afraid to look in the freezer

"looking for a gas leak with a lighted match,"

Was it God who left the Fridge door open this time?

a disagreement about drainage repair left the UK unable to export meat for a year.

apologies after the fact and promises..... worthless!

A vast treasure was spent by the U.S. on the amplification and aerial delivery of diseases

"I watched him die through a little window to his quarantine room

1,100 laboratory incidents involving bacteria & viruses but the Labs names remain secret.

More than 200 incidents of loss or release of bioweapons agents from U.S. laboratories are reported each year. This works out to more than four per week," said Richard Ebright,

The only thing unusual about recent anthrax and bird flu lab leaks is that the public found out about them.

In 1977, a worldwide epidemic of influenza A began in Russia and China; it was eventually traced to a sample of an American strain of flu preserved in a laboratory freezer since 1950.

In 1978, a hybrid strain of smallpox killed a medical photographer at a lab in Birmingham, England;

I was expecting to retrieve the body from a fridge in the mortuary, but... it was stored in a [body bag](#) that was kept on the floor of a garage away from the main hospital building. She was in a transparent body bag packed with wood shavings and sawdust. There was also some kind of liquid and I remember that I was frightened that the bag would split open. The body was covered in sores and scars – it was quite horrific. I was on my own and I needed help to lift the body... but I managed to get her into the van. People from the hospital were very wary of helping me... When the day of the funeral arrived, the cars were given an escort by unmarked police vehicles just in case there was an accident... The body had to be cremated because there was a chance the virus could have thrived in the ground if Mrs Parker had been buried. All other funerals were cancelled that day and the [Robin Hood Crematorium](#) was thoroughly cleaned afterwards.

in 2007, live foot-and-mouth disease leaked from a faulty drainpipe at the Institute for Animal Health in Surrey.

In the U.S., "more than 1,100 laboratory incidents involving bacteria, viruses and toxins that pose significant or bioterror risks to people and agriculture were reported to federal regulators during 2008 through 2012,"

In 2015, the Department of Defense discovered that workers at a germ-warfare testing center in Utah had mistakenly sent close to 200 shipments of live anthrax to laboratories throughout the United States and also to Australia, Germany, Japan, South Korea, and several other countries over the past 12 years.

In 2019, laboratories at Fort Detrick — where "defensive" research involves the creation of potential pathogens to defend against — were shut down for several months by the Centers for Disease Control and Prevention for "breaches of containment." They reopened in December of the same year.

yet another well-publicized incident in China in which "two researchers conducting virus research were exposed to severe acute respiratory syndrome (SARS) coronavirus samples that were incompletely inactivated. The researchers subsequently transmitted SARS to others, leading to several infections and one death in 2004."

Scientists are people, and people have clumsy moments and poke themselves and get bitten by the enraged animals they are trying to nasally inoculate. Machines can create invisible aerosols, and cell solutions can become contaminated. Waste systems don't always work properly. Things can go wrong in a thousand different ways.

There are indeed many unexplained features of this virus that are hard if not impossible to explain based on a completely natural origin.

The administration's claim that the virus spread from a Wuhan lab has made the notion politically toxic, even among scientists who say it could have happened, .... Trump said it,, it MUST be wrong!

A BSL-4 laboratory is a maximum-security biosafety-level-four facility, why not level 5 or 6? Klotz suggests a level 4+ , and in as remote a location as possible.

I'm just asking, Is it a complete coincidence that this outbreak happened in the one city in China with 3 BSL-4 labs?

Everything she'd seen was quite consistent with a natural, zoonotic origin for the disease, she said.

the WHCDC was only a few hundred yards away from the market — whereas the horseshoe bats that hosted the disease were hundreds of miles to the south.

No bats were sold in the market.

He urged the relocation of "biohazardous laboratories" away from densely populated places. His article disappeared from the server.

Later, smaller outbreaks of SARS in Taiwan, Singapore, and China's National Institute of Virology in Beijing were all caused by laboratory accidents.

Forty-five percent of the earliest SARS-2 patients had no link with the market.

they'd figured out how to perform their assembly seamlessly, without any signs of human handiwork. Nobody would know if the virus had been fabricated in a laboratory or grown in nature.

it was a clone of the entire deadly human SARS virus, the one that had emerged from Chinese bats, via civets, in 2002. The Baric Lab came to be known by some scientists as "the Wild Wild West."

"I would be afraid to look in their freezers," one virologist told me.

The Defense Threat Reduction Agency built a small anthrax factory in Nevada, using simulants, to demonstrate how easy it would be for a terrorist to build a small anthrax factory.

in the first year of the Bush presidency, the Defense Intelligence Agency wroup plans to create a vaccine-resistant form of anthrax using state-of-the-art gene-splicery.

A front-page article describing these initiatives, "U.S. Germ Warfare Research Pushes Treaty Limits,"

TAKE PENACILIN [sic] NOW / DEATH TO AMERICA / DEATH TO ISRAEL / ALLAH IS GREAT ( hand written note sent with Anthrax letters by Bruce Ivins, a white american )

Fauci's anti-terror budget went from \$53 million in 2001 to \$1.7 billion in 2003

to defend against a suite of known Cold War agents, all of which had been bred and perfected in American weapons programs many years before — brucellosis, anthrax, tularemia, and plague, for instance.

Our goal within the next 20 years is 'bug to drug' in 24 hours,

grants to study canonical biowar diseases — anthrax, plague, brucellosis, and tularemia, all exceptionally rare in the U.S. — had increased by a factor of 15 since 2001, whereas funds for the study of widespread "normal" diseases, of high public-health importance, had decreased.

the sole bioterrorist in living memory who actually killed American citizens, according to the FBI — the man who sent the anthrax letters — turned out to be one of the government's own researchers. Bruce Ivins, an eccentric, suicidal laboratory scientist from Ohio who worked in vaccine development at Fort Detrick, allegedly wanted to boost the fear level so as to persuade the government to buy more of the patented, genetically engineered anthrax VaxGen vaccine, of which he was a co-inventor.

What do you do if you run a well-funded laboratory, an NIH “center of excellence,” and your emergent virus is no longer actually making people sick? You start squeezing it and twisting it into different shapes. Making it stand on its hind legs and quack like a duck, or a bat.

air-liquid interface, using a relatively new type of cell culture developed by Raymond Pickles of the University of North Carolina’s Cystic Fibrosis Center. Pickles had perfected a method of emulating the traits of human airway tissue by cultivating cells taken from lung-disease patients

the lab worker must sometimes rinse off some of the accumulated mucus, as if helping the lab-grown tissue to clear its throat.

By the time SARSCoV-2 was first detected in late 2019, it was already pre-adapted to human transmission,” Alina Chan and her co-authors have written, whereas SARS, when it first appeared in 2003, underwent “numerous adaptive mutations” before settling down

It could have happened in Wuhan, but — because anyone can now “print out” a fully infectious clone of any sequenced disease — it could also have happened at Fort Detrick, or in Texas, or in Italy, or in Rotterdam, or in Wisconsin, or in some other citadel of coronaviral inquiry.

the spike protein of the bat virus lacks the features the human spike protein possesses that enable it to work efficiently with human tissue.

there is at the moment no animal host that zoonoticists can point to as the missing link. There’s also no single, agreed-upon hypothesis to explain how the disease may have traveled from the bat reservoirs of Yunnan all the way to Wuhan, seven hours by train, without leaving any sick people behind and without infecting anyone along the way.

This patchwork pathogen, which allegedly has evolved without human meddling, first came to notice in the only city in the world with a laboratory that was paid for years by the U.S. government to perform experiments on certain obscure and heretofore unpublicized strains of bat viruses

Is Considering a Genetic-Manipulation Origin for SARS-CoV-2 a Conspiracy Theory That Must Be Censored?,

the virus closest to the SARS-2 pandemic virus was linked back not to a bat cave but to a mine shaft, and that this same virus had been stored and worked on in the Wuhan Institute for years.

Why, out of a desire to prove that something extremely infectious could happen, would you make it happen? And why would the U.S. government feel compelled to pay for it to happen?

The work was safe because the viruses were stored in a high-security lab, they claimed.

Nature is the worst bioterrorist, ( or nature WAS the worst Bioterrorist? )

there followed some distressing screwups in secure federal laboratories involving live anthrax, live smallpox, and live avian influenza.

the perils of poking Potential Pandemic Pathogens,

Increasing the transmissibility of the coronaviruses could significantly increase the chance of a global pandemic due to a laboratory accident,

It is unethical to place so many members of the public at risk and then consult only scientists — or, even worse, just a small subset of scientists — and exclude others from the decision-making and oversight process

the asymmetry between the ease of creating threats and the difficulty of addressing threats is nearly absolute — is especially counterproductive.

witnessing mankind self-extinguishing. what are the chances?

diagnosed Amerika/Death researchers.

making hybrid strain of stark contrast

calculating 200 incidents of wild wild west

clone the way forward and make it happen boys.

this radioplay, if you run sars, should be counterproductive.

flu preserved in several secondary sightseers in spacesuits create invisible aerosols

simple mathematical death

grants to study exclude others from needle prick

helping the lab-grown stream, whither does the human spike feel compelled?

create illegibly labeled bottle from a single zoonoticist

what exactly does Smallpox have against medical photographers?

wuhan lab has patchwork pathogen

was safe because approved. stockpiling experimental mishaps, that is- 'pay for it' incidents involving bacteria,

you hot-swapped mutant build from a discontinued bsl-4-rated biosafety cabinet.

inoculate machines with a biohazardous flying mouse bite.

'no potential pandemic' claim is a pile of bat guano

'scientists ARE their freezers' said one Malaysian

pathogen trumps and faucis have been synthesized

a reason for concern that keeps viruses doors shut tight

a faulty drainpipe of lab activities

Gene Genies!!

Similar to nuclear or chemical weapons there is no going back once we get a thing in our hands

The only impact of this work," he said, "is the creation, in a lab, of a new, non-natural risk.

leave those fucking bats alone!

a very bourgeois apocalypse

he merely gestured with his hypodermic and mumbled something about "precautionary measures"

periodically he went over to the sealed door and peered through the quintuple glazed porthole at the empty corridor outside.

Civets and camels that are exposed to a lot of bat-guano dust may be an ongoing threat and a manageable one. But the bats themselves just want to hang in their caves and not be bothered by frowning sightseers in spacesuits who want to poke Q-tips in their bottoms.

This 2016 "poised for human emergence" paper was supported by eight different NIH grants. In 2015, Baric's lab received \$8.3 million from the NIH; in 2016, it received \$10.5 million.

Gain-of-function research came roaring back under Trump and Fauci. “The National Institutes of Health will again fund research that makes viruses more dangerous

“We don’t think it’s fair that we should have to reveal everything we do.”

trapping animals and looking for obscure bat viruses in Singapore, Malaysia, and Thailand.

“looking for a gas leak with a lighted match,”

“Exactly how they work in that facility is something that would be very difficult for a Westerner to know,” they have a very large collection of viruses in their laboratory. And so it’s — you know — proximity is a problem. It’s a problem.”

the americans are heavily funding VERY risky research in a lab entirely under the jurisdiction of a secretive and repressive regime.

“It is unclear if SARS2 is 100 percent natural or emerged due to lab/research activities. If we walk away from this, demonstrating that we cannot effectively investigate its origins, it will pave the way for future COVIDS.”

“Can you rule out a laboratory escape? The answer in this case is probably not.”

7 hours a day shovelling bat shit in a mineshaft.

an apocalyptic health & safety violation.

In 2002, Adam Zaretsky, a bio-artist working in a laboratory at the Massachusetts Institute of technology, discovered the “Humperdinck Effect,” in which the vibrations of “loud, really awful” lounge music applied for forty-eight hours spurred antibiotic production in E. coli bacteria.

both published papers that were about what happened when you hot-swapped mutant spike proteins between bat viruses and human viruses.

thousands of new variant diseases have been synthesized, sequenced and rewired and then stored in the fridge for the future.

In stark contrast to the strict controls on smallpox research, however, SARS, the 1918 flu virus, and potentially human-contagious H5N1 bird flu are studied in laboratories throughout the world, using less than the highest biocontainment, known as Biosafety Level 4, or BSL-4, and there is no approved and stockpiled vaccine for any of them.

Simple mathematical analysis gives real reason for concern about the handling of these dangerous viruses. Consider the probability for escape from a single lab in a single year to be 0.003 (i.e., 0.3 percent), an estimate that is conservative in light of a variety of government risk assessments for biolabs and actual experience at laboratories studying dangerous pathogens. Calculating from this probability, it would take 536 years for there to be an 80 percent chance of at least one escape from a single lab. But with 42 labs carrying out live PPP research, this basic 0.3 percent probability translates to an 80 percent likelihood of escape from at least one of the 42 labs every 12.8 years, a time interval smaller than those that have separated influenza pandemics in the 20th century.

**SARS** already has escaped from laboratories three times since 2003, and one escape resulted in several secondary infections and one death.

Research on live SARS should be curtailed — perhaps even discontinued — until biological containment measures beyond BSL-3 and even BSL-4 can be put in place. Simply moving all SARS research to BSL-4 facilities will not substantially reduce the risk; there have already been three escapes from BSL-4 containment since 1990: a Marburg virus laboratory-acquired infection at the Vector facility in the Soviet Union in 1990, a foot and mouth disease virus escape from the Pirbright facility in England, and a SARS virus laboratory-acquired infection from a BSL-4-rated biosafety cabinet in a Taiwan laboratory.

- With modern audio-video technology, research scientists can remotely monitor lab work as if they were present.
- Require lab staffers to follow up extended work shifts with periods of quarantine before they leave the biocontainment area. Such procedures would assure that no potential pandemic pathogen escapes from a BSL-4+ lab through a laboratory-acquired infection; anyone accidentally infected would show symptoms while still in quarantine.
- Mandate that potential pandemic pathogen experiments be carried out primarily in BSL-4+ labs (although BSL-3+ with the special protections like post-shift quarantine might suffice for some work).

Locate the two or three such high-security labs the world needs in remote locations, where an aerosol escape or other containment failure would pose the least risk of infecting an outside community.

international policy makers should:

- Institute a global system for deciding whether a given potential pandemic pathogen experiment should be done at all and for monitoring the experiments that are approved.
- Require that international inspectors have access to facilities at any time, on short notice.

Make experimental details from these labs available to inspectors and to authorized international bodies, to maximize the transparency of lab activities and to help dispel concerns about clandestine development of biological weapons.

a lab accident is most likely the source of the 1977 re-emergence of an H1N1 flu strain that had disappeared in 1957. The genetic makeup of the strain hadn't changed as it should have over those decades.

the biomedical waste stream, whither does it flow?

1951 Project Baseless , project faceless , project couldn't care less

aerial delivery of diseases with no known antidote.

death by AirMail.

there were no pangolins or bats available in the wuhan market , but there was a bsl-4 virology lab several hundred yards away.

It is possible that a progenitor of SARS-CoV-2 jumped into humans,( from where? ) acquiring the genomic features described above through adaptation during undetected human-to-human transmission. ( this would require a prolonged series of transmissions without symptoms or detection?? ) Once acquired, these adaptations would enable the pandemic to take off and produce a sufficiently large cluster of cases to trigger the surveillance system that detected it.

( this scenario presumes a period of unrecognized transmission in humans between the initial zoonotic event and the acquisition of the polybasic cleavage site. Sufficient opportunity could have arisen if there had been many prior zoonotic events that produced short chains of human-to-human transmission over an extended period. This is essentially the situation for MERS-CoV, for which all human cases are the result of repeated jumps of the virus from dromedary camels, producing single infections or short transmission chains that eventually resolve, with no adaptation to sustained transmission. )

bottom line: the natural selection argument contains many if's, but's, unknowns and extrapolations plus a shitload of funding on the line to get to "could have happened". the 'Escaped from a Lab' side has many many precedents of institutional and human error, bureaucratic short cuts, a ready made and abundant catalog of variant strains already engineered for high human transmissibility and catastrophic holes in bio-security to get to "Most Likely Did"

just a theory of course... but NOT a conspiracy theory.

this radioplay is protected under the Public Health Security and Bioterrorism Preparedness and Response Act of 2002.



The acquisition of both the polybasic cleavage site and predicted O-linked glycans also argues against culture-based scenarios. New polybasic cleavage sites have been observed only after prolonged passage of low-pathogenicity avian influenza virus in vitro or in vivo<sup>17</sup>. Furthermore, a hypothetical generation of SARS-CoV-2 by cell culture or animal passage would have required prior isolation of a progenitor virus with very high genetic similarity, which has not been described. ( yes it HAS!! and you've just described them!! bat, pangolin etc ) Subsequent generation of a polybasic cleavage site would have then required repeated passage in cell culture or animals with ACE2 receptors similar to those of humans, but such work has also not previously been described. ( you mean your denying those human cell cultures and people performing 'serial passaging' on them with Sars virus exists!! your 'avin a larf sunshine . see Baker article. )

Finally, the generation of the predicted O-linked glycans is also unlikely to have occurred due to cell-culture passage, as such features suggest the involvement of an immune system. ( ok this needs further study but i doubt human intervention COULDN'T achieve this and indeed it would be a prime point of research to emulate such. )

The genomic features described here may explain in part the infectiousness and transmissibility of SARS-CoV-2 in humans. Although the evidence shows that SARS-CoV-2 is not a purposefully manipulated virus, it is currently impossible to prove or disprove the other theories of its origin described here. However, since we observed all notable SARS-CoV-2 features, including the optimized RBD and polybasic cleavage site, in related coronaviruses in nature, we do not believe that any type of laboratory-based scenario is plausible. ( very bad argument!! it exists in nature so 'therefore' it cannot exist in a lab?? despite the fact that what you have just described was OBVIOUSLY observed in a Lab!! you obviously hoped nobody would make it through the first techno jabber to the end. very weak! )

isn't the fact that it has taken 93 million infections and 2 million deaths for us to get to the 3 known variants currently a bit of a slap in the face to the 'unnoticed' serial mutation amongst humans argument for origins in nature of this virus?

a president, a working class white man and a working class black man are in a clinic , the nurse brings in three hypodermics of vaccine , the president takes 2 shots and turns to the white man saying " careful that black man has his eyes on your vaccine. "

Personal agency is the great obsession of our day: the more you lack control over your life, the more you are likely to believe you're in charge of it. Advertisers and ideologists are happy with that: they're happy to mirror back to you the sense that you are indeed the centre of the universe, the heroine of the story. the pandemic puts paid to that fraud and maybe a positive outcome is... If people don't buy into Instagram/tiktok/twitter artful wish-fulfilment fantasy to place them at the centre of events and keep them enchanted with their own reflection, they might dump their wish to be princess of all they survey, and instead channel their dissatisfactions into making a better world for everyone." orig : m. john harrison 14dec2019 paraphrased jan15-2020 mw

"Never believe anything until it's officially denied". Claud Cockburn

( writer equating the fear of Covid with fear of flying ) "You regularly get on planes to fly because, on one level or another, you know it is quite statistically safe for you to do so. Imagine if, during ten months, you were treated to anecdote after anecdote about the lives lost in air crashes, complete with graphic reconstructions of the excruciating last moments of the ill-fated passengers. The stats wouldn't change, but I suspect new doubts would be generated in many of you about the safety of flying. Would it be your right to change your disposition about flying after hearing these stories? Certainly. Would the stories be real? Yes. Would they actually change your chances of dying in an airline crash? No. Those chances would remain exactly the same. So, then it would be your choice as to which part of your brain you were going to listen to when it came to flying." spurious stats inc. ( this argument was printed in Cold Type online magazine. though this periodical hosts outstanding journalists like John Pilger it also seems to be so concerned with presenting "alternative viewpoints" that often quite dumb and sometimes offensive articles appear with a decidedly Covid Denialism slant . On the face of it this seems plausible statistically until you look at the fact that you are only likely to catch

Covid once so the statistics for air travel mortality should be applied to you taking only one flight in your lifetime. If you apply the current reported deaths in the UK from covid ( for instance ) of 123,000 as of 1st if March against a population count of 68 million you'd get a one in 553 chance of dying , not a real statistic as , of course , it should be weighted against age and health.. by contrast odds on plane crashes vary widely but are pitched at 1 in 2 million at the high end to 1 in 20 million at the low.. so in general the psychology of air travel anxiety cannot be equated on the same level as fear of the very real chance of death from Covid wether you engage with the reporting on the horrific deaths OR not. )

personally I am reasonably sure this pathogen has escaped from a laboratory, the argument isn't about shutting such institutions down or divestment of funding .. it's actually an argument for MUCH MORE funding. funding to seat the danger away from populated areas, to ramp up security & checks significantly , to cover costs of post shift quarantine for all personal entering the areas and to fund expert boards to fathom the usefulness 'on balance' of potentially cataclysmic strands of research, malevolent Genies that will not go back in the bottle.

In our view, there is currently no credible evidence to support the claim

argument: the covid has ' random' mutations as would occur over time in nature, artificial strains would have some kind of logic ( known backbone , logical or targeted changes ) .. but research has been happening where the bat covid's have human spikes introduced, thats a fact ... and how random is random? ... surely serial passaging in the lab is the same random process as in nature or emulates it closely.. how many random outcomes of this research are stored in labs?

there isn't a hope in hell that the WHO team will find anything in china..

coincidence: a paper published online (pre peer review ) noted that elements of HIV were in the SARS covid virus , pointing to this as indication of a lab based thing.. scientific counter arguments said that this was just random coincidence and the paper disappeared... but can an argument for coincidence be used across the board , coincidental proximity of the Lab in. wuhan, coincidental appearance of hiv sections , coincidental mutation and jumping from still unfound animal sources to humans, how many coincidences do we allow?

sequences taken from the bible found in the code obviously point towards a 'Last Trump' religious apocalypse engineered by Pro-White Lifers.

interestingly this same argument ends with this: "We should emphasize that, although SARS-CoV-2 shows no evidence of laboratory origin, viruses with such great public health threats must be handled properly in the laboratory and also properly regulated by the scientific community and governments. "

"shows no evidence of lab origin" / " evidence of animal source yet to be found " aren't they both the same amount of evidence... none, zero, buttkiss, fuck all?

WHO is our mystery animal? who dealt this mess?

hospitals, hospitals, hospitals, HOSPITALS!

Stage I: The early infection or viral response phase during which **symptoms** of upper respiratory tract infection dominate.  
Stage II: The pulmonary phase when the patients develop full-blown pneumonia with all its associated symptoms.  
Stage III: The hyperinflammation phase when patients develop acute respiratory distress syndrome (ARDS), sepsis, and kidney and other organ failures.

as far as the press is concerned, which is the better story? the prosaic sequence of the wrong tissue disposed of in the wrong trashcan OR the microscopic history and family tree of the invisible little guy that got his genomes together and made a valiant effort to rid the world of that viral in-apronym ( misnomer ) Mankind

a crash , a phase eyes change and a pre world mess sequence are in a vaccine

the president says: HE is your vaccine!

coincidental mutation jumping still unfound

and mumbled something about stockpiling experimental mishaps,

something whistled through, jumping to the side laboratory by accident

in secure federal laboratories "what? what?" asked the dying!

very large institutes of health will begin to sing

discovery of "the humperdinck" effect in a damp trench

"anton antonovich, you're so bacteria!"

gentleman baric's lab received \$8.3 door and peered through mathematical death grants to study sky-blue path with caution,

a fly struck me in the mineshaft!

"I am high security lab!" they shouted "no i'm high security lab" , "no... I'M high security lab and so is my cat"

mindful people happened when you hot-swapped bat viruses and human nose hair

a synthesized lot of bat-guano dust he fell into but not we.

bat-shit is the worst bioterrorist

"you hot-swapped laboratory escape?" the answer passed him by.

"wuhan lab has patchwork murder of that wayfarer." what's going on here?

father floated in a washtub with the rest of the ducks

every day, the genetic makeup of a common washtub filled with vibrations

she spat into the washtub log of details on the strain

Run-Dada

no pangolins in the biosecure wardrobes.

narrate another incident error, bureaucratic short cuts, if's, but's, unknowns and extrapolations of the Run-Dada family

in needle prick, a mouse is all commotion

Zhang Zhan, a citizen journalist who reported on the outbreak in Wuhan, was jailed in December for four years for "picking quarrels and provoking trouble".

Asked whether the team would investigate whether the virus was produced in a laboratory, he said: "We will follow wherever science leads us.

Between April 2013 and September 2014, eight individual mouse escapes were reported at the University of North Carolina-Chapel Hill.

officials with the NIH called the escapes "concerning." Several of the mice were infected with either SARS or the H1N1 flu virus.

Escapes occurred in a variety of scenarios, including mice jumping onto researchers and running under freezers, incident records show. Researchers often used broom handles to corral the wayward mice that had previously been infected with a variety of pathogens

A scientist at Texas A&M in College Station-Byron stuck himself with a needle while injecting a mouse that was previously infected with a recombinant strain of *Borrelia burgdorferi*, the bacteria that causes Lyme disease, in February 2014.

Lane Stephenson, the university's director of news and information services, declined to answer questions about the lab incidents.

"Regarding other aspects of your inquiry, we think the information provided in response to your earlier FOI request is sufficient," Stephenson said

As a key protection against the world's most deadly pathogens, including the Ebola virus, scientists in the BSL-4 labs at the U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID) at Fort Detrick in Maryland wear pressurized, full-body spacesuit-like gear and breathe purified air. Yet those suits ruptured or developed holes in at least 37 incidents during a 20-month period in 2013 and 2014, according to lab incident reports obtained by USA TODAY under the federal Freedom of Information Act.

Some reports indicate defective suits; others say the suits were old or worn out. "Apparent repetitive use defect in 9-year old suit that split due to repeated bending/folding resulting in material failure,"

The NIH also took issue with using the researcher's home for the quarantine, contrary to a previous agreement about the H5N1 research.

In October 2014, a safety worker at Colorado State University in Fort Collins discovered an insect bite after completing a laboratory shift. The lab adjoined an insectary where genetically modified mosquitoes were being used in a dengue virus experiment, according to an incident report the university filed with the National Institutes of Health.

A rats' nest made of shredded biohazard bags and containing lab supplies was discovered in a secure, fenced-off medical waste accumulation area at the University of California-Los Angeles in March 2014, the university's biosafety committee minutes and incident report show. Traps caught 14 rats before the nest was dismantled and disinfected with bleach. investigators said they suspected the rats used the clean bags — rather than contaminated bags — to make their nest. Contaminated waste, the records said, was stored in barrels with locking lids.

Then in May 2014, a researcher watched a rodent

climb out of one of these locking medical waste barrels, which contained soiled mouse disposable caging, bedding and uneaten food. Safety officials found its latch was broken — as were those on about 30% of the barrels.

Centers for Disease Control and Prevention inspectors and University of Michigan officials found materials labeled as *Brucella*, a select agent, outside the BSL-3 containment area in April 2012. Although a lab worker said the materials were deactivated and posed no threat, no one could find documentation to verify the claim. Twenty-seven workers were identified and offered serology tests. only Seventeen took tests, which were negative, incident records show.

A University of Iowa scientist imported a strain of Middle East respiratory syndrome (MERS) virus from Spain and began research without approval from the university's oversight committee and in a BSL-2 facility in 2013, as opposed to the university's BSL-3 lab as required.

MERS, first reported in Saudi Arabia in 2012, kills about 30% of the people who contract it, according to the Centers for Disease Control and Prevention.

of course, these are all reports from america where freedom of information does exist to some extent. as for China? well.....

what's interesting is that most of the largely ignored whistle blowing in the last decade ( and there has been PLENTY ) has been about a potential H5N1 deadly avian flu pandemic rather than SARS related. H5N1 kills 60% of people infected so I guess we are lucky. this pandemic and its fatality & economic fall out may just be the warning we need to put a lid firmly on this ridiculous gambling.

the three types of human error are skill-based (errors involving motor skills involving little thought), rule-based (errors in following instructions or set procedures accidentally or purposely), and knowledge-based (errors stemming from a lack of knowledge or a wrong judgment call based on lack of experience).

The rule-based and knowledge-based incident categories are: 4) pathogens manipulated outside of a biosafety cabinet or other equipment designed to protect exposures to infectious aerosols; 5) potential exposures resulting from non-adherence to safety procedures or deviations from lab standard operating procedures, and 6) failure or problem with personal protective equipment—a mix of skill, rule, or knowledge-based errors.

The seventh category is mechanical or equipment failure, or defective labware. Another category not mentioned in the FSAP reports is failure to properly inactivate pathogens before transferring them to a lower biosafety level lab for further research.

During the 2009-2015 time period, FSAP received a total of 749 incident reports from select-agent research facilities. Conservatively, 594 or 79.3 percent of those incidents involve human error.

Some human errors are “one-off,” meaning they happened once and likely won’t happen again. One-off errors are difficult to anticipate, so it is unlikely that one can devise meaningful changes in standard operating procedures to prevent them.

Inactivation is designed to destroy the pathogenicity of an infectious agent, while retaining its other characteristics for research in which live pathogens are not needed. Since there are reliable inactivation procedures, failure to inactivate is a human error.

Pathogens are inactivated for research that can be performed in lower BSL2 biocontainment, where it is much easier to carry out. Research in BSL3 and BSL4 laboratories is difficult, both because of restricted movement in the personal protective equipment that must be worn and because of restrictions in operating procedures that aim to minimize potential exposure to pathogens.

While incomplete inactivation does not usually directly cause a release into the community, researchers in BSL2 labs are at a much higher risk of infection, and their street clothes, hair, and skin can become contaminated. But incomplete inactivation is a route to potential release into the community.

The FSAP does not routinely collect data on incomplete inactivation, and it seems no one else does either. Thus, enough data to calculate probabilities for this type of incident are not available. But [the Government Accountability Office \(GAO\)](#) has weighed in on the issue. The GAO reports anecdotal evidence and some numbers on incomplete inactivation to support the contention that it is a serious issue. The office has identified 11 incidents, in addition to 10 incidents already identified by the FSAP. Notably, two of the incidents involved Ebola and Marburg viruses, which because of a lack of countermeasures (vaccines and antivirals) are researched at BSL4 facilities.

Among other things, the GAO report called attention to a well-publicized incident in which a Defense Department laboratory “inadvertently sent live *Bacillus anthracis*, the bacterium that causes anthrax, to almost 200 laboratories worldwide over the course of 12 years. The laboratory believed that the samples had been inactivated.” The report describes yet another well-publicized incident in China in which “two researchers conducting virus research were exposed to severe acute respiratory syndrome (SARS) coronavirus samples that were incompletely inactivated. The researchers subsequently transmitted SARS to others, leading to several infections and one death in 2004.”

The GAO identified three recent releases of Ebola and Marburg viruses from BSL4 to lower containment labs due to incomplete inactivation.

A fourth release in 2014 from the CDC labs occurred when “Scientists inadvertently switched samples designated for live Ebola virus studies with samples intended for studies with inactivated material. As a result, the samples with viable Ebola virus, instead of the samples with inactivated Ebola virus, were transferred out of a BSL-4 laboratory to a laboratory with a lower safety level for additional analysis. While no one contracted Ebola virus in this instance, the consequences could have been dire for the personnel involved as there are currently no approved treatments or vaccines for this virus.”

The anthrax incident at the AHVLA u.k. happened in May 2012 and drew an immediate CPN. That shut the lab so no more live anthrax could be sent out. The timing was ironic. The government had spent months stockpiling anthrax vaccines in case terrorists released the bug at the London Olympics. Now one of their own labs had put people at risk.

There are experimental approaches that do not involve live mammalian-airborne-transmissible, highly pathogenic avian influenza which identify mutations involved in mammalian airborne transmission. These “[safer experimental approaches](#) are both more scientifically informative and more straightforward to translate into improved public health...

why are these labs still being built in cities??

why the fuck is Pirbright near farms!! foot & mouth research lab next to commercial cow herds?? what?

Chernobyl comes to mind and the exponential rise in cancer since.

To help put fatality burden in perspective, no institutional review board—the committees tasked with assessing and approving human-subject research at universities and other organizations— would approve a research project with a potential for perhaps tens to thousands of fatalities. Maybe an institutional review board could approve the research if it could be assured with almost absolute certainty that there will never be a release into the community or that the released virus would not be airborne-transmissible, virulent, or fatal. The key phrase is “almost absolute certainty.”. That’s a standard that’s almost certainly absolutely impossible to achieve.

In 1966, Dr. Mario Jascalevich from New Jersey was accused of poisoning five patients with a plant-derived poison called tubocurarine.

Between 1964 and 1966, a Japanese doctor called Mitsuru Suzuki contaminated sponge cakes and other sources of food with shigella dysenteriae (causes diarrhea) and salmonella typhi (causes typhoid), leading to 200 to 400 illnesses and four deaths.

Between May 1977 and November 1980, a nursing home worker called Arnfinn Nettet killed 27 residents using a substance called curacit.

In 1984, religious cult members held attacks in Dalles, Oregon using salmonella typhimurium in an attempt to affect the election and gain control of the Wasco County Court. The restaurant salad bars were used as the dissemination points and the attack led to 751 illnesses. A cult member was arrested on an unrelated charge and confessed later to being involved in the event.

In the 1990s, Aum Shinrikyo tried to disseminate bacillus anthracis (anthrax - the vaccine strain), Clostridium botulinum and the Ebola virus in Tokyo, Japan to fulfil the apocalyptic prophecy.

In 1995, Larry Wayne Harris ordered 3 vials of Yersinia pestis (causing plague) from the ATCC and in the same year laboratory technician Diane Thompson took Shigella dysenteriae Type 2 from a hospital and infected her co-workers.

In 1995, a neurologist in Virginia called Dr. Ray W. Mettetal was found with ricin on his person after being arrested for something else.

In 1998, a gastroenterologist in Louisiana called Richard Schmidt infected nurse Janice Allen with HIV by injecting her with blood from a patient who had AIDS.

In 1999, a phlebotomist called Brian T. Stewart was sentenced to life imprisonment for deliberately infecting his baby with HIV-infected blood to avoid the cost of child support.

In 2001, there were a series of anthrax attacks in the United States.

In 2003, Professor Thomas Butler was arrested for removing 30 vials of Yersinia pestis (plague ) from a laboratory.

### **freezer door cut-ups collected:**

A crash , a phase eyes change and a pre world mess sequence are in a vaccine.

Coincidental mutation jumping still unfound.

And mumbled something about stockpiling experimental mishaps.

Something whistled through, jumping to the side laboratory by accident.

In secure federal laboratories “what? what?” asked the dying!

Very large institutes of health will begin to sing.

The President says: HE is your vaccine!

Discovery of “the humperdinck” effect in a damp trench.

“anton antonovich, you’re so bacteria!”

Gentleman baric’s lab received \$8.3 door and peered through mathematical death grants to study sky-blue path with caution.

A fly struck me in the mineshaft!

“I am high security lab!” they shouted “no i’m high security lab” , “no... I’M high security lab and so is my cat”.

Mindful people happened when you hot-swapped bat viruses and human nose hair.A

A synthesized lot of bat-guano dust he fell into but not we.

Bat-shit is the worst bioterrorist.

“You hot-swapped laboratory escape?” the answer passed him by.

“Wuhan lab has patchwork murder of that wayfarer.” what’s going on here?

Father floated in a washtub with the rest of the ducks.

Every day, the genetic makeup of a common washtub filled with vibrations.

She spat into the washtub log of details on the strain.

Run-Dada.

No pangolins in the biosecure wardrobes.

Narrate another incident error, bureaucratic short cuts, if’s, but’s, unknowns and extrapolations of the Run-Dada family.

In needle prick, a mouse is all commotion.

WHO is our mystery animal? who dealt this mess?

Hospitals, hospitals, hospitals, HOSPITALS!

The biomedical waste stream, whither does it flow?

1951 Project Baseless , project faceless , project couldn’t care less.

Aerial delivery of diseases with no known antidote.

Death by AirMail.

Witnessing mankind self-extinguishing. what are the chances?

Diagnosed Amerika/Death researchers.

Making hybrid strain of stark contrast.

Calculating 200 incidents of wild wild west.

Clone the way forward and make it happen boys.

This radioplay, if you run sars, should be counterproductive.

Flu preserved in several secondary sightseers in spacesuits create invisible aerosols.

Simple mathematical death.

Grants to study exclude others from needle prick.

Helping the lab-grown stream, whither does the human spike feel compelled?

Create illegibly labeled bottle from a single zoonoticist.

What exactly does Smallpox have against medical photographers?

Wuhan lab has patchwork pathogen

Was safe because approved. stockpiling experimental mishaps, that is- 'pay for it' incidents involving bacteria.

You hot-swapped mutant build from a discontinued bsl-4-rated biosafety cabinet.

Inoculate machines with a biohazardous flying mouse bite.

'No potential pandemic' claim is a pile of bat guano.

'Scientists ARE their freezers' said one Malaysian.

Pathogen trumps and faucis have been synthesized.

A reason for concern that keeps viruses doors shut tight.

A faulty drainpipe of lab activities.

Gene Genies!!

7 hours a day shovelling bat shit in a mineshaft.

An apocalyptic health & safety violation.

Was it God who left the Fridge door open this time?

Will the anthrax blowing in this work?

The bat diseases for 'perhaps' agents? all their happy leaks is tubocurarine.

Locking medical phase freezers incident in a machine.

Laboratory-acquired infection strain of now / natural selection a complete shut.

Escapes aspects of Allah is aerosols.

Worn pathogen was safe but people remain secret.

More than 80 percent human meddling, bible found clone wanting.

Personally engineered for artful wish-fulfilment stockpiling experiment.

A serious pre world similarity.

Adapted virus relocation into the counterproductive. witnessing mankind passage, as contaminated but the run-dada inactivated.

H.I.V. health threats stream - whither still unfound animal host coronaviral inquiry?

"No i'm mutation amongst virus." the anthrax is 'bug legs'.



Covid virus gas leak 20th century cave dweller period.

F.S.A.P glazed porthole the warning lids!

Washtub log an insectary away from difficulty.

Explained according to a duck: "vials of clear experience".

Bourgeois apocalypse institute for "in air" bio-security years.

A series of 30 vials of "loud risk" vibrations.

Leave those fucking in the botulinum fridge and wardrobes.

Narrate another incident, duck citizens.

Acute respiratory syndrome by international agreement.

Sightseers in spacesuits pose next to graphic reconstructions of cleavage sites.

I'm just a substance called 1950.

Appearance of HIV waste accumulation areas. Unmarked police vehicles inadvertently switched samples.

In olde England 2016, it received infectious clone of an airline from the empty corridor world outside.

Researchers hosted the Dying City show.

Death is a genetic-manipulation - origin: China.

Stockpiling experimental mishaps.

Sufficient contaminated sponge cakes identified and offered to 751 patients.

We think herds?? what? Chernobyl comes to look in the fridge.

Hot-swapped mutant build point of research fragments. There is no gas leak without further research.

certifiable flatworm management-types waft a ton of armchair science around.

It was all a pile of shit. He wrote Shit on a scrap of paper, then made the letters look three-dimensional and shaded their sides carefully.

bioinformational surreality

mobs of doubt of ALL institutions,

post-truth disease strains coexistence

basic error propagates itself

the word entered an ecology of weeds

a tumble on the stairs. up spills of ethidium bromide

biological overload of traffic, viral media locomotive of history

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the perils of poking Potential Pandemic Pathogens,

What I've learned from our own work is how deviously beautiful evolution is

Scientists will develop a standardized UK-wide system for detecting coronavirus in wastewater, in order to provide an early warning of future outbreaks and reduce reliance on costly testing of large populations.

in olde england they will be sifting through our shit looking for an outbreak for years to come.

"The product of the human brain has escaped the control of human hands," Čapek told the London Saturday Review following the R.U.R. play's premiere. "This is the comedy of science." 25 jan 1921

Feb 9th 2021 - wallstreet journal

WHO researchers had also said they would be open to pursuing [the likelihood of a laboratory incident](#). In its final days, the Trump administration claimed to have evidence, which it didn't present to the public, that staff in one of the city's major laboratories fell ill with Covid-19-like symptoms in the fall of 2019.

But on Tuesday, the WHO team said it was reassured by hearing of the high biosafety protocols adhered to in the city's major labs, including the Wuhan Institute of Virology. [The lab also wasn't working with any virus](#) closely linked to the one that causes Covid-19, Dr. Ben Embarak said.

"It is very unlikely that anything could escape from such a place," he said Tuesday. "Of course this is not impossible. It happens once in a while...These are extremely rare events."

Chinese health official Liang Wannian, meantime, pushed back on the likelihood that Wuhan's Huanan Market was [the first place where the outbreak occurred](#), saying that the date of onset of the earliest confirmed case was days earlier than that of the earliest confirmed case in the market. The majority of earlier confirmed cases didn't have any relationship to the market, he said.

Dr. Liang pointed to unpublished studies about cases that preceded China's, saying other countries could have missed early cases.

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#### THE LAB

The conclusion of the Chinese and international experts was that it is extremely unlikely the virus leaked from the Wuhan Institute of Virology, a lab with an extensive collection of virus samples. Former U.S. President Donald Trump and officials in his administration were among those who floated that possibility — prompting angry denials from China. And most experts have long been skeptical of it.

In making its determination, the team said that such leaks are extremely rare and there's no evidence the virus existed in that lab or any lab anywhere in the world when the pandemic began.(? questionable - bat related SARS were being experimented on in collaboration with the Baric labs in the US and the Wuhan lab ) It also reviewed safety protocols at the institute, leading the team to conclude "it was very unlikely that anything could escape from such a place," WHO team leader Peter Ben Embarek said. ( again the history of lab leaks globally makes the word 'unlikely' somewhat vague. though China's history in this respect will always be more difficult to discern... who knows, maybe it is drastically more secure than elsewhere rather than failings going unreported due to a largely suppressive government? )

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## THE COLD CHAIN

The joint investigation left open the possibility that the virus could have been spread to humans through frozen food products, a bit of a surprise as foreign experts have generally played down the risk.

It's a theory that has been widely promoted by Chinese officials, who have detected the virus on imported frozen food packaging and seized on that to suggest the virus could have come to China from abroad.

WHO team member Marion Koopmans noted that it still wouldn't answer the question of where the virus came from originally. "It's not the cold chain by itself, that cannot be," she said at the airport. "The virus has to come from somewhere."

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## THE DATA

The mission has been dogged by questions about how much freedom China would give the researchers to visit the places and talk to the people they wanted to. In the end, they appeared satisfied with the arrangements, at least in their public comments. Team member Thea Koelsen Fischer said she did not get to see raw data and had to rely on an analysis of the data that was presented to her. But she said that would be true in most countries. \_\_\_\_

Moritsugu reported from Beijing.

The mission to Wuhan did not change a major theory about where the virus came from. Scientists think bats are the most likely carriers, and that they passed it on to another animal, which passed it on to humans. While there are other possibilities — a bat could have infected a human directly, for instance — the path through a second animal remains the most likely scenario, according to the WHO team and its Chinese counterparts. The question is what animal and where.

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## THE MARKET

The Huanan Seafood Market, which had a cluster of cases at the start of the outbreak, has long been suggested as a possible place humans first became infected. The market dealt mainly in frozen seafood but also sold domesticated wildlife. That included rabbits, which are known to be susceptible to the virus, and bamboo rats and ferret badgers, which are suspected of being susceptible. At the WHO mission's closing news conference Tuesday, one team member said some of these animals have been traced to farms or traders in regions that are home to bats that carry the virus that is the closest known relative of the one that causes COVID-19.

That finding could put renewed focus on the market. Chinese health officials have downplayed the market's role, noting that only surfaces at the market tested positive for the virus, not any of the animal products. A Chinese official said Tuesday that it appears there were cases elsewhere in Wuhan around the same time as the market cluster, so it remains possible the transfer of the virus from animals to humans happened elsewhere.

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13th feb 2021 sky news -

The theory that COVID-19 originated from a laboratory in Wuhan has not been dismissed by investigators, the head of the World Health Organisation has suggested.

Earlier this week, a WHO-led mission in China said it was not looking further into the question of whether the virus escaped from a lab, which it considered highly unlikely

However, in a press briefing on Friday, director general Dr Tedros Adhanom Ghebreyesus said: "Some questions have been

raised as to whether some hypotheses have been discarded.

"Having spoken with some members of the team, I wish to confirm that all hypotheses remain open and require further analysis and study.

"Some of that work may lie outside the remit and scope of this mission. "

"We have always said that this mission would not find all the answers, but it has added important information that takes us closer to understanding the origins of the COVID-19 virus."

Dr Tedros said a summary of their findings would be published next week and the US has said it wants to review the data.

The mission leader, Dr Peter Ben Embarek, said on Friday the labs in Wuhan his team visited stated they had not been working with the virus that causes COVID-19, or had it in their collections before the outbreak. Dr Embarek said it was possible the virus could still be present in samples that have not yet been analysed.

He added that if scientists from Wuhan labs had been studying the virus before the outbreak, it would not have been a secret.

"Usually laboratory researchers who work and discover new viruses would immediately publish their findings. That's a common practice around the world, particularly with new, interesting viruses," he said.

He said his team had gained a much better insight into the early stages of the outbreak and concluded there was no large cluster of the disease in Wuhan or elsewhere around the city in the months prior to the first cases in December 2019.

The mission has said its main hypothesis is that the virus originated in a bat, although there are several possible scenarios for how it passed to humans, possibly first by infecting another animal species.

The former administration of US president Donald Trump said it believed the virus may have escaped from a lab in Wuhan.

China has strongly denied this, and says the Wuhan Institute of Virology was not studying related viruses. ( that doesn't sound correct? )

the independent feb15 2021

The superspreaders behind top COVID-19 conspiracy theories. ( bioweapons claims not very credible but The Independents claim that WHO has absolutely refuted lab leak is not correct , see above.. US/China collab research with bat sars and covid spikes to " pre-empt " dangerous mutations has happened and is still a vaguely possible source of the pandemic ).. but obviously most of these people are reckless loonytunes..

As the coronavirus spread, speculation about its origins was close behind

As the coronavirus spread across the globe, so too did speculation about its origins. Perhaps the virus escaped from a lab. Maybe it was engineered as a bioweapon.

Legitimate questions about the virus created perfect conditions for conspiracy theories. In the absence of knowledge, guesswork and propaganda flourished.

College professors with no evidence or training in virology were touted as experts. Anonymous social media users posed as high-level intelligence officials. And from China to Iran to Russia to the United States governments amplified claims for their own motives.

The Associated Press collaborated with the Atlantic Council's Digital Forensic Research Lab on a nine-month investigation to identify the people and organizations behind some of the most viral misinformation about the origins of the coronavirus. ( Atlantic Council's Digital Forensic Research Lab is funded by millionaires, billionaires and also facebook and the british government.. Russia doesn't like them at all .. so maybe they are ok? Associated Press are consistently involved in copyright breaches of other peoples work BUT at the same time often sue people for using 'their' information.. it is NOT an open source organization despite it's stated freedom of information mandate )

Their claims were explosive. Their evidence was weak. These are the superspreaders.

#### FRANCIS BOYLE

WHO HE IS: A Harvard trained law professor at the University of Illinois, Boyle drafted a 1989 law banning biological weapons and has advised the nation of Bosnia and Herzegovina and the Palestinian Authority.

Boyle has no academic degree in virology or biology but is a longstanding critic of research on pathogens. He has claimed Israeli intelligence was involved in the 1993 World Trade Center bombing; that SARS, the swine flu and Ebola have been genetically modified; and that West Nile virus and Lyme disease escaped from a U.S. biowarfare lab. He has also claimed that Microsoft founder Bill Gates “was involved” in the spread of Zika.

COVID CLAIM: Boyle says the coronavirus is a genetically engineered bioweapon that escaped from a high-level lab in Wuhan, China. He maintains it shows signs of nanotechnological tinkering and the insertion of proteins from HIV the human immunodeficiency virus. He alleges that U.S. researchers helped create it, and that thousands of doctors, scientists, and elected leaders are conspiring to hide the truth.

Boyle promoted his claim in an email to a list of news organizations and personal contacts on Jan. 24, 2020. That same day, he was interviewed on a podcast called “Geopolitics and Empire.” That podcast was cited by a little-known Indian website, GreatGameIndia, and went viral, with Boyle’s comments picked up and featured in Iranian-state TV, Russian state media, and fringe websites in the U.S. and around the world. He’s since repeated his claims on Alex Jones’ show Infowars.

EVIDENCE? Boyle bases his argument on circumstantial evidence: the presence of a Biosafety Level 4 lab in Wuhan, the fact that other viruses have escaped from other labs in the past, and his belief that governments around the world are engaged in a secret arms race over biological weapons.

Biosafety Level 4 labs - or BSL4 labs - have the highest level of biosafety precautions.

“It seemed to me that obviously, this came out of the Wuhan BSL 4,” Boyle told The Associated Press, dismissing the accepted explanation that the virus emerged from the Wuhan market as “completely preposterous.”

A World Health Organization team concluded it was extremely unlikely the virus escaped from the Wuhan lab, and other experts have said the virus shows no signs of genetic manipulation.

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#### GREATGAMEINDIA

WHAT IT IS: A website that was an early promoter of the theory that the coronavirus was engineered.

Its Jan. 26, 2020, story on “Coronavirus bioweapon-How China Stole the Coronavirus From Canada and Weaponized It” was picked up by far-right financial blog Zero Hedge and shared to thousands of social media users before it was promoted by conservative website RedStateWatcher and received more than 6 million engagements.

COVID CLAIM: GreatGameIndia claims that the virus, which has now killed more than 2 million people worldwide, was first found in the lungs of a Saudi man and then sent to labs in the Netherlands and then Canada, where it was stolen by Chinese scientists. The article relies in part on speculation from Dany Shoham, a virologist and former lieutenant colonel in Israeli military intelligence.

Shoham was quoted discussing the possibility that COVID is linked to bioweapon research in a Jan. 26, 2020, article in the conservative U.S. newspaper The Washington Times. In that article, Shoham was quoted saying there was no evidence to support the idea that the virus has escaped from a lab, but GreatGameIndia did not include that context in its piece.

“We do stand by our report,” said website co-founder Shelley Kasli wrote in an email. “In fact, recently Canadians released documents which corroborated our findings with Chinese scientists... A lot of information is still classified.”

EVIDENCE? The coronavirus most likely first appeared in humans after jumping from an animal, a World Health Organization panel announced this month, saying an alternate theory that the virus leaked from a Chinese lab was unlikely.

America’s top scientists have likewise concluded the virus is of natural origin, citing clues in its genome and its similarity to SARS, or severe acute respiratory syndrome. Vincent Racaniello, a professor of microbiology and immunology at Columbia University, who has been studying the virus since its genome was first recorded, has said it is clear that the virus was not engineered or accidentally released.

“It is something that is clearly selected in nature,” Racaniello said. “There are two examples where the sequence tells us that humans had no hand in making this virus because they would not have known to do these things.”

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## THE CENTRE FOR RESEARCH ON GLOBALIZATION

**WHAT IT IS:** The Montreal-based center publishes articles on global politics and policy, including a healthy dose of conspiracy theories on vaccines and the Sept. 11, 2001, terrorist attacks. It's led by Michel Chossudovsky, a professor emeritus of economics at the University of Ottawa and a conspiracy theorist who has argued the U.S. military can control the weather.

The center publishes authors from around the world — many of whom have advanced baseless claims about the origins of the outbreak. In February, for instance, the center published an interview with Igor Nikulin suggesting the coronavirus was a U.S. bioweapon created to target Chinese people.

The center's website, [globalresearch.ca](http://globalresearch.ca), "has become deeply enmeshed in Russia's broader disinformation and propaganda ecosystem" by peddling anti-U.S. conspiracy theories, according to a 2020 U.S. State Department report which found that seven of its supposed writers do not even exist but were created by Russian military intelligence.

**COVID CLAIM:** While the center has published several articles about the virus, one suggesting it originated in the U.S. caught the attention of top Chinese officials.

On March 12, Chinese Foreign Ministry spokesperson Zhao Lijian retweeted an article published by the center titled: "China's Coronavirus: A Shocking Update. Did The Virus Originate in the US?"

"This article is very much important to each and every one of us," he posted in English on Twitter. "Please read and retweet it. COVID-19: Further Evidence that the Virus Originated in the US."

He also tweeted: "It might be US army who brought the epidemic to Wuhan. Be transparent! Make public your data! US owe us an explanation."

The story by Larry Romanoff, a regular author at the center, cites several debunked theories, including one that members of the U.S. military brought the virus to China during the Military World Games in fall 2019. Romanoff concludes that it has now "been proven" that the virus originated from outside of China, despite scientific consensus that it did.

**EVIDENCE?** The World Health Organization has concluded that the coronavirus emerged in China, where the first cases and deaths were reported. No evidence has surfaced to suggest the virus was imported into China by the U.S.

Chossudovsky and Romanoff did not respond to repeated messages seeking comment. Romanoff's biography lists him as a visiting professor at Fudan University in Shanghai, but he is not listed among the university's faculty. The university did not respond to an email asking about Romanoff's employment.

Romanoff's original article was taken down in the spring, but Zhao's tweet remains up.

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## IGOR NIKULIN

**WHO IS HE?** A four-time failed political candidate, Nikulin is prominently quoted in Russian state media and fringe publications in the west as a biologist and former weapons inspector in Iraq who served on a U.N. commission on biological and chemical weapons in the 1990s.

**COVID CLAIM:** Nikulin argues the U.S. created the virus and used it to attack China. He first voiced the belief in a Jan. 20, 2020, story by Zvezda, a state media outlet tied to the Russian military. He appeared on Russian state TV at least 18 times between Jan. 27, 2020, and late April of that year.

Once the virus reached the U.S., Nikulin changed his theory, saying "globalists" were using the virus to depopulate the earth.

Nikulin has expressed support for weaponizing misinformation to hurt the U.S. in the past. On his website, he suggests claiming the U.S. created HIV as a way to weaken America from within. Russian intelligence mounted a similar 1980s disinformation campaign dubbed "Operation INFEKTION."

"If you prove and declare... that the virus was bred in American laboratories, the American economy will collapse under the onslaught of billions of lawsuits by millions of AIDS carriers around the world," Nikulin wrote on his website.

**EVIDENCE?** Nikulin offered no evidence to support his assertions, and there are reasons to doubt his veracity.

Former U.N. weapons inspector Richard Butler, for whom Nikulin claims to have worked, said he had no memory of Nikulin, and that his

story sounded “sloppily fabricated, and not credible.”

No U.N. records could be found to confirm his employment.

In an exchange with the AP over Facebook, Nikulin insisted his claims and background are accurate, though he said some records from U.N. work were destroyed in an American bombing during the Iraq invasion.

When told that Butler didn't know him, Nikulin responded “This is his opinion.”

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#### GREG RUBINI

**WHO HE IS:** Greg Rubini is the name of an internet conspiracy theorist who claims to have high-level contacts in intelligence and listed his location on Twitter as “classified,” until he was kicked off the platform. His posts have been retweeted thousands of times by supporters of QAnon, a conspiracy theory centered on the baseless belief that Trump is waging a secret campaign against enemies in the “deep state” and a secret sect of satanic pedophiles and cannibals.

**COVID CLAIM:** Rubini has tweeted that Dr. Anthony Fauci created the coronavirus and that it was used as a bioweapon to reduce the world's population and undermine Trump.

**EVIDENCE?** Rubini's doesn't appear to be the intelligence insider that he pretends to be.

Buzzfeed attempted to track down Rubini last year and determined it is the alias of a 61-year-old Italian man who has worked in marketing and music promotions. A previous version of his Twitter bio indicates he is a fan of classic rock and the films of Stanley Kubrick.

Attempts to reach Rubini online and through business contacts were unsuccessful.

Rubini has bristled at efforts to verify his claims. When a social media user asked: “My question to you @GregRubini is, ‘Where and what is your proof?’ Rubini responded curtly: “And my question is: why should I give it to you?”

Twitter suspended Rubini's account in November 2020 for repeated violations of its policies.

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#### KEVIN BARRETT

**WHO HE IS:** A former lecturer on Islam at the University of Wisconsin-Madison, Barrett left the university amid criticism for his claims that the Sept. 11, 2001, terrorist attacks were orchestrated by people linked to the U.S. and Israeli governments.

Barrett calls himself “a professional conspiracy theorist, for want of a better term” and has argued government conspiracies were behind the 2004 Madrid bombing, the 2005 London bombing, the 2013 Boston Marathon bombing and the 2016 Orlando nightclub shooting.

**COVID CLAIM:** Barrett said he is “80%” sure coronavirus was created by elements within the U.S. government as a bioweapon and used to attack China.

Iran was a secondary target, he has argued. Writing for Iran's PressTV, he said the early outbreak in that country “suggests that the Americans and/or their partners the Israelis... may have deliberately attacked Iran.”

Barrett further detailed his views during an interview with the AP.

“It seemed fairly obvious to me that the first hypothesis one would look at when something as extraordinary as this COVID pandemic hits, is that it would be a US bio-war strike,” he said.

**EVIDENCE?** Barrett cited reports that the US warned its allies in November 2019 about a dangerous virus emerging from China. Barrett said that's long before authorities in China knew about the severity of the outbreak.

Official sources have denied issuing any warning. If the U.S. did know about the virus that soon, it was likely thanks to intelligence sources within China, which may have known about the virus as early as November 2019, according to former Secretary of State Mike Pompeo.

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#### LUC MONTAGNIER

WHO HE IS: Montagnier is a world-renowned virologist who won the Nobel prize in 2008 for discovering HIV.

COVID CLAIM: During an April interview with the French news channel CNews, Montagnier claimed that the coronavirus did not originate in nature and was manipulated. Montagnier said that in the process of making the vaccine for AIDS, someone took the genetic material and added it to the coronavirus. Montagnier cites a retracted paper published in January from Indian scientists who had said they had found sequences of HIV in the coronavirus. AP made multiple unsuccessful attempts to contact Montagnier.

EVIDENCE: Experts who have looked at the genome sequence of the virus have said it has no HIV-1 sequences. In January, Indian scientists published a paper on bioRxiv, a repository for scientific papers that have not yet been peer-reviewed or published in a traditional scientific journal. The paper said that the scientists had found "uncanny similarity of unique inserts" in COVID-19 and HIV. Social media users picked up the paper as proof that the virus was engineered. As soon as it was published, the scientific community widely debunked the paper on social media. It was later withdrawn.

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SUPREME LEADER ALI KHAMENEI and HOSSEIN SALAMI

WHO THEY ARE: Khamenei is the second and current Supreme Leader of the Islamic Republic of Iran. He has the final say on all matters of state, including the economy, military and health divisions.

Since being elected to office in 1981, Khamenei has maintained his skeptical view of the U.S. as Iran's foremost enemy. The tensions between the two countries boiled over in 2018 when Trump pulled the U.S. out of the Iran nuclear deal and reimposed crippling sanctions. At the time, Khamenei remarked, "I said from the first day: Don't trust America."

Hossein Salami was appointed by Khamenei as commander of Iran's Revolutionary Guard in April 2019. He leads the country's paramilitary force that oversees Iran's ballistic missile program and responds to threats from both inside and outside the country.

COVID CLAIM: Salami declared on March 5, 2020, that Iran was engaged in a fight against a virus that might be the product of an American biological attack. On those grounds, Salami ordered a Ground Force Biological Defense Maneuver to test the country's ability to combat a biological attack. Beginning March 16, the Ground Force, in close collaboration with the Health Ministry, began holding nationwide biodefense drills.

Khamenei was among the first and most powerful world leaders to suggest the coronavirus could be a biological weapon created by the U.S. During his annual address on March 22 to millions of Iranians for the Persian New Year, Khamenei questioned why the U.S. would offer aid to countries like Iran if they themselves were suffering and accused of making the virus.

Khamenei went on to refuse U.S. assistance, saying "possibly (U.S.) medicine is a way to spread the virus more." Last month, he refused to accept coronavirus vaccines manufactured in Britain and the U.S., calling them "forbidden." The Iranian Mission to the United Nations in New York did not respond to multiple requests for comment.

EVIDENCE: There is no evidence that the U.S. created the virus or used it as a weapon to attack Iran.

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Speaking on the BBC's Andrew Marr Show, Prof Watson sought to allay doubts about the mission, saying the trip was "the beginning of a process... that was going to take months or years to complete".

He said that while Chinese authorities had not given the team all of the data about the early cases in Wuhan, they had seen a "great deal" of information.

His comments came amid growing criticism over the level of data scientists were able to access.

Fellow mission member Dominic Dwyer told several news outlets that Chinese authorities declined to give the team raw data on early Covid-19 cases.

"They showed us a couple of examples, but that's not the same as doing all of them, which is standard epidemiological investigation," he told the Wall Street Journal.

"So then, you know, the interpretation of that data becomes more limited from our point of view, although the other side might see it as being quite good."

The US has urged China to make data available from the earliest stages of the outbreak, saying it has "deep concerns" about the WHO report. And British Foreign Minister Dominic Raab said he shared concerns about the level of access given to the team.



In his comments on Sunday, Prof Watson said it would have been "unusual for them [Chinese authorities] to hand over the raw data, but we looked at a great deal of the information in detail in discussion with the Chinese counterparts".

He also said a number of hypotheses remain about the origins of the virus, the most likely of which is that it moved from one animal to an intermediate animal host, and from there to humans.

He added the team had not "ruled out" the possibility that the virus was started by a lab leak in Wuhan, or that it could have spread through the transport and trade of frozen food.

The head of the mission earlier this week called the lab leak theory "extremely unlikely".

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Bulletin of the Atomic Scientists - feb11th2021

WHO: COVID-19 didn't leak from a lab. Also WHO: Maybe it did

The joint World Health Organization-China mission to investigate the origins of COVID-19 reported its highly-anticipated findings at a press conference in Wuhan, China, earlier this week. Far from clarifying where the deadly coronavirus could have sprung from, members of the mission echoed Beijing's narrative and left more questions than answers. Perhaps most troubling, they outlined a precedent for outbreak investigations that could stifle societal debates about the risks we're willing to take for high-risk lab research on pathogens.

At the Feb. 9 briefing, the co-heads of the mission, Peter Ben Embarek and Liang Wannian, laid out the four origin hypotheses that formed the basis of the mission's investigation:

The novel coronavirus, SARS-CoV-2, jumped directly from an animal species to humans.

The virus leapt from one animal species to an intermediary animal host in which the virus adapted more before jumping to people.

The virus was introduced to Wuhan via the food chain, for example from frozen products.

The virus was accidentally released through a lab-related incident.

The mission concluded that the second hypothesis, that the virus jumped from one species to another before infecting people, is "the most likely pathway." While the mission reported that the direct spillover and food-chain ideas needed more investigation, Ben Embarek said the team had dismissed the idea that a lab-leak hypothesis as "extremely unlikely" and said it wouldn't be pursued any further.

But days after the presser, the remarks by Ben Embarek and the team were undercut when World Health Organization Director-General Tedros Adhanom Ghebreyesus said no hypotheses had been ruled out: "I want to clarify that all hypotheses remain open and require further study." Where the WHO investigators go from here remains to be seen.

In Wuhan, Ben Embarek laid out several reasons why the team was ruling out the lab leak hypothesis. "Nowhere previously was this particular virus researched or identified or known," he said. "There had been no publications and no reports of this virus, or another virus extremely closely linked to this, being worked with in any laboratory in the world."

Yet, what makes the investigative team so certain of this? Not everything that is researched in labs is published. And from the published record, we know that scientists at the Wuhan Institute of Virology, one of the labs in Wuhan that researched bat coronaviruses, had renamed viruses with sequences closely resembling SARS-CoV-2 in an apparent attempt to obfuscate their previous work with these viruses before the pandemic. Then there's the fact that the Wuhan Institute of Virology's virus database was taken offline at the beginning of 2020 for "security reasons." Did the investigative team have access to the database? Did they scrutinize other lab records?

Lab accidents happen, Ben Embarek acknowledged. But he said they are "extremely rare events" and that "it was very unlikely that anything could escape from" the Wuhan Institute of Virology's secure (biosafety level-4) high-containment lab. Yet, as Alison Young, an investigative journalist with years of experience researching lab biosafety breaches for publications like USA Today, tweeted, "accidents aren't rare. What's rare are accidents causing documented outbreaks. But those have happened, including with the first SARS virus."

While the Wuhan Institute of Virology's biosafety level-4 lab has gotten the most media attention, coronavirus research was also undertaken at the institute's lower containment (biosafety level-2 and -3) labs, as well as at other institutes in the area like the Wuhan Center for Disease Control and Prevention. What evidence does the World Health Organization team have that no safety lapses could have occurred in these other labs? Or during the high-risk fieldwork Wuhan-based researchers undertook to collect coronaviruses from live bats?

Ben Embarek also said the team's judgement was based on "long, frank, open discussions" with management and staff at the Wuhan Institute of Virology, in which they provided "detailed descriptions of their research both present and past on all projects involving bats and coronaviruses and more advanced projects." The institute staff, he said, "are the best ones to dismiss the [lab-leak] claims and provide answers to all the questions."

Yet, how does the investigative team know protocols were followed? How do they know a researcher did not become accidentally infected without showing symptoms? As Stanford University microbiologist David Relman told *The Washington Post*: "If the only information you're allowing to be weighed is provided by the very people who have everything to lose by revealing such evidence, that just doesn't come close to passing the sniff test." He suggested the team should have sought complete, detailed records from the laboratories about their experiments and the raw genomic sequence data of their research going back a decade.

The publicly-available genetic and epidemiological evidence collected so far about SARS-CoV-2 and the outbreak does not exclude the possibility of a lab leak.

Taken as a whole, the lab-leak theory remains a serious possibility; the World Health Organization's investigative team will need to present any new evidence it used to rule out the theory when it releases its mission report. Additionally, the mission's own terms of reference notes that there is currently no evidence of SARS-CoV-2 transmission on food products. At the press conference Ben Embarek said, "we don't really understand if the virus can transmit to humans and under which conditions this could happen." On what basis, then, is the team assessing the likelihood of a food-chain origin for COVID-19 as being higher than a lab-leak origin?

But it is not just the marginal theories that the World Health Organization needs to weigh in on with evidence. The investigative team's principle theory—and that of much of the scientific community at large—is that the virus originated from bat populations. This is supported by genetic studies of SARS-CoV-2 isolated from humans. However, because there is usually very limited close contact between humans and bats, the team's theory is that rather than bats infecting humans directly, they first transmitted the coronavirus to some intermediary species, an animal that people handle more frequently.

The intermediate animal host could be a domestic animal, a wild animal, or a domesticated wild animal. As of yet, the creature has not been identified. There is precedent for spillover through intermediate hosts. The first known coronavirus to have caused serious illness in humans, SARS-CoV, also likely originated in bats, which then infected civet cats (a farmed wild animal), which then infected humans. Once the virus made the leap to humans, it spread throughout the world, causing the severe acute respiratory syndrome (SARS) outbreak of 2003. In 2012, another coronavirus, MERS-CoV, spread from bats into camels and caused cases of Middle Eastern respiratory syndrome (MERS). Yet, in the case of COVID-19, after more than a year of searching, no intermediate host has been found. While clearly still a possibility, what supporting evidence is there suggesting the intermediate host theory should be ranked so much higher than other possibilities? Just because there is precedent for spillover through intermediate hosts is not a good enough argument—biosafety lapses have happened before, too.

The team's messaging in Wuhan aligned closely with Beijing's narrative of a possible origin source of COVID-19 outside China's borders. Throughout the briefing, speakers repeatedly stressed that the 12-day Wuhan investigation was only "the first part" or the "China part" of a larger investigation not limited by geographical location. That the World Health Organization and China had reached a political settlement was also clear in the mission team's terms of reference—which had to be agreed on by both the organization and the Chinese government. The terms of reference document emphasizes that "the virus may have circulated elsewhere" before it was "identified through surveillance in Wuhan" and that "the global origin tracing work is therefore not bound to any location and may evolve geographically as evidence is being generated, and hypotheses evolve."

The document is firmly in line with Beijing's preferred COVID-19 origins story, the idea that SARS-CoV-2 may have initially spilled over in Italy, France, the United States, or elsewhere and circulated undetected before it was first identified in Wuhan. As journalist John Sudworth, reporting from the Wuhan press conference for the BBC, said, "the WHO arrived here, insisting this was going to be all about the science, and yet signs of the politics have been there every step of the way, from the wrangling about access and timing, from the team's reliance not on its own investigation but on data provided by China. Questions about how independent these findings are from China's own narrative are unlikely to go away."

Alina Chan, a researcher at the Broad Institute of MIT and Harvard, commented on Twitter that the investigative team's findings have now set such a high bar for launching an investigation into potential lab origins that in future, one couldn't be launched unless there was already incontrovertible proof for it. "Problematically, the countries that have the most leverage over international organizations also tend to be the countries investing the most in these types of high risk pathogens research," she wrote.

Indeed, scientists, funders, and publishers with heavily vested interests in potentially pandemic virus research—like work on coronaviruses—could well use the World Health Organization's investigation to stifle any further discussion of risky virus studies. That would be a real lost opportunity, because beyond whether the pandemic resulted from natural spillover or laboratory research, the origins question feeds into bigger societal debates that we still need to have about the sorts of risks we're willing to take in the name of research.

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