

Unthinkable Thoughts. The Spike Protein

By [Josh Mitteldorf](#)

Global Research, June 06, 2021

Theme: [Media Disinformation](#), [Science and Medicine](#)

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This essay is inspired by [Dr Mercola's announcement](#) last week that [May] (reading between the lines) his life and his family's have been threatened if he doesn't remove from his web site a peer-reviewed study demonstrating the benefits of vitamin D and zinc in prevention of the worst COVID outcomes. In the present Orwellian era, where propaganda and deception are ubiquitous, one of the signposts of truth that I have learned to respect is that the most important truths are the most heavily censored.

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This is not what I enjoy writing about, but as I find dark thoughts creeping into my consciousness, perhaps it is better to put them on paper with supporting logic and invite my readers to help me clarify the reasoning and, perhaps, to point a way out of the darkness.

Already in January, 2020, two ideas about COVID were emerging. One is that there were people and institutions who seemed to have anticipated the event, and were planning for it for a long time. Gates, Fauci, the World Economic Forum, and Johns Hopkins School of Medicine were among the prescient. (I credit the (now deleted) videos of [Spiro Skouras](#).) Second was the genetic evidence suggesting that [COVID had a laboratory origin](#). Funders of the scientific establishment have lost their bid to [ridicule this idea](#), and it has now [leaked into the mainstream](#), where it is fused with the classical [yellow peril](#) propaganda: “China did it!”. I [have cited evidence](#) that America is likely equally culpable.

The confluence of these two themes suggests the dark logic that I take for my topic today: Those who knew in advance, not only that there would be a pandemic but [that it would be a Coronavirus](#), were actually responsible for engineering this pandemic.

Immediately, I think: How could people capable of such sociopathic enormities be occupying the [most powerful circles of the world's elite](#)? And what would be their motivation? I don't have answers to these questions, and I will leave speculation to others. But there's one attractive answer that I find less compelling: that it's a money-maker for the large and [criminal pharmaceutical industry](#). The new mRNA vaccines are already the most profitable drugs in history, but I think that shutdown of world economies, [assassinations of world leaders](#), deep corruption of science, and full-spectrum control of the mainstream narrative imply a larger power base than can plausibly be commanded by the pharma industry.

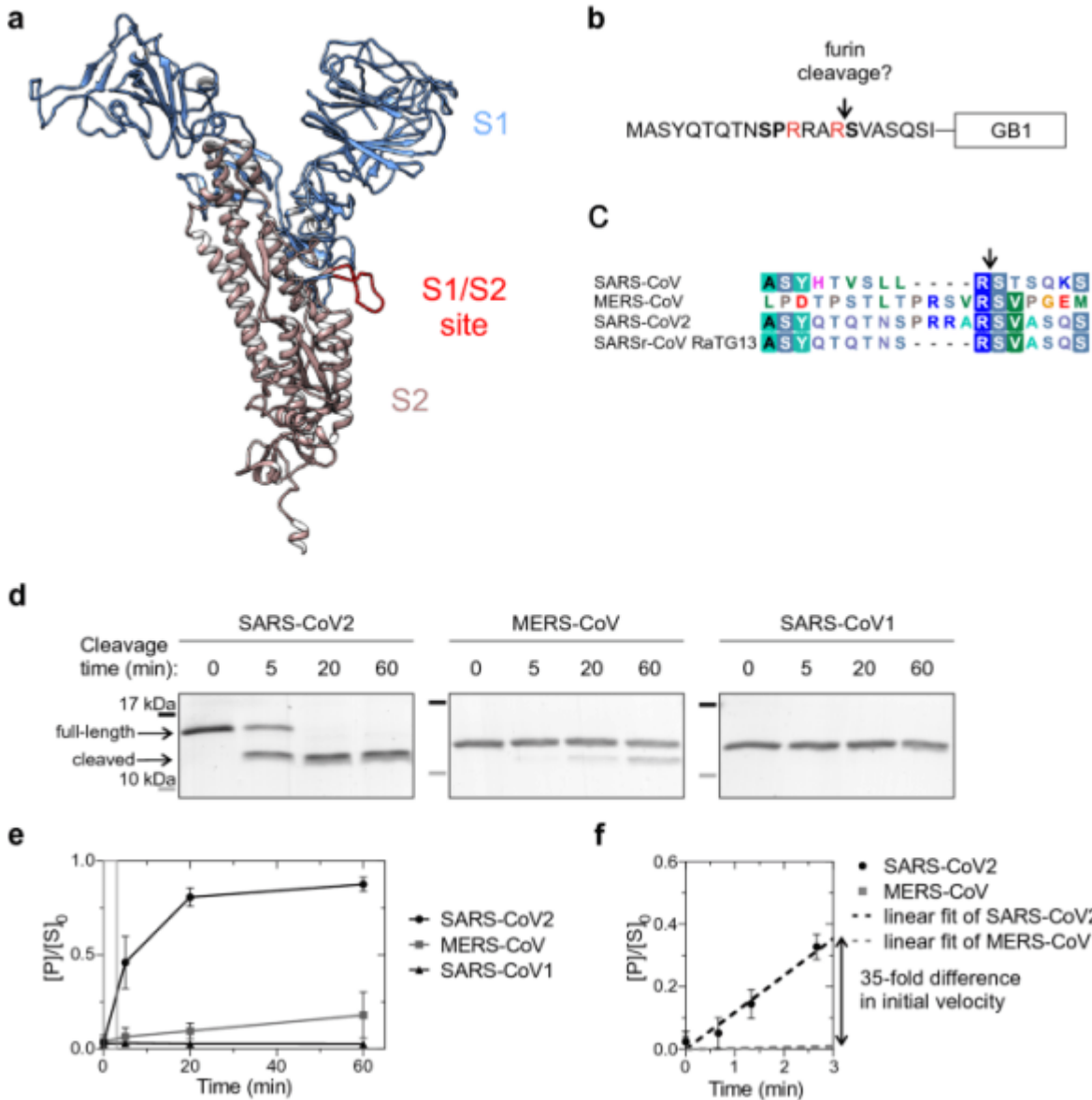
Instead, I'll try to follow the scientific and medical implications of the hypothesis that COVID is a bioweapon.

The Spike Protein

The spike protein is the part of the virus structure that interfaces with the host cell. SARS 1 and SARS 2 viruses both have spike proteins that bind to a human cell receptor called ACE-2, common in lung cells but also present in other parts of the body. Binding to the cell's ACE-2 receptor is like the wolf knocking at the door of Little Red Riding Hood's grandmother. "Hello, grandmama. I'm your granddaughter. Please let me in." The virus is a wolf wearing a red cape and hood, pretends to be an ACE-2 enzyme molecule seeking entrance to the cell.

In order to enter the cell, the virus must break off from the spike protein and leave it at the doorstep, so to speak. This is an important and difficult step, as it turns out. Unique to the SARS-CoV-2 virus is a trick for making the separation. Just at the edge of the protein is a [furin cleavage site](#). Furin is an enzyme that snips protein molecules, and it is common in our bodies, with legitimate metabolic uses. A furin cleavage site is a string of 4 particular amino acids that calls to furin, "hey — come over here. I'm a protein that needs snipping."

The most compelling evidence for a laboratory origin of COVID is that coronaviruses don't have furin cleavage sites, and until last year, this trick has never evolved naturally.



How we think about natural disease

The classical understanding of a viral or bacterial disease is this: A parasite is an organism that uses the host's resources for its own reproduction. It is evolved to reproduce efficiently. If it has co-evolved with the host, it may be evolved to spare the host's health, or even to promote it, because this is the [optimal long-term strategy](#) for any predator or parasite. But newly-emerged parasites can do well for awhile even if they disable or kill their hosts, and this is the kind of disease that is most damaging to us. The damage is done because the (young) virus's strategy is to reproduce rapidly and disperse itself into the environment where it can find new hosts. The virus has no interest in harming the host, and was not evolved to this end, but this is a side-effect of commandeering the body's resources for its own reproduction.

How engineered diseases can be different

A bioweapon virus is designed to cause a certain kind of harm.

- *What kind of harm?* It depends on the projected use for the weapon.
- *Doesn't the virus have to reproduce?* Probably, for most weapon applications; but a bioweapon is not necessarily designed for rapid reproduction. A bioweapon

can be designed as a “sleeper” to remain dormant for months or years, or to cause incremental disability over a long period.

If COVID had evolved naturally, we would expect that its spike protein would be adapted to mate well with the human ACE-2 receptor. There’s no reason to suspect it being otherwise biologically active. But if COVID is engineered, it may be that the spike protein itself has been designed to make us sick.

One reason this is significant is that the vaccines have all been designed around the spike protein, assuming that the spike protein were metabolically neutral. If the virus had been naturally evolved, this is a reasonable assumption. But if it came from a laboratory (whether it leaked or was deliberately released) the spike protein might be actually be the agent of damage. There are several reasons to suspect that this is the case.

The Spike Protein as an Active Pathogen

Back in February, 2020, [this article](#) noted that the spike protein was not perfectly optimized to bind to human ACE-2 and put this forward as an proof that “SARS-CoV-2 is not a purposefully manipulated virus.” But if someone were designing the virus to cause harm, the spike protein would be a convenient locus for the damage vector, so the spike might have been designed with twin purposes in mind, binding and toxicity. The spike protein appears in many copies around the “crown” of the coronavirus. Since each copy has a furin cleavage site at its base, many spike proteins will break off into the bloodstream. We now have several reports and hypotheses concerning the spike protein as an active agent of damage. The spike protein is suspected of causing blood clots, of inducing long-lasting neurological damage, and of causing infertility. Many anecdotes describe injuries to unvaccinated people who have been in close proximity to vaccinated, prompting speculation about “shedding” the spike protein.

“Individuals with COVID-19 experience a vast number of neurological symptoms, such as headaches, ataxia, impaired consciousness, hallucinations, stroke and cerebral hemorrhage. But autopsy studies have yet to find clear evidence of destructive viral invasion into patients’ brains, pushing researchers to consider alternative explanations of how SARS-CoV-2 causes neurological symptoms....

If not viral infection, what else could be causing injury to distant organs associated with COVID-19? The most likely culprit that has been identified is the COVID-19 spike protein released from the outer shell of the virus into circulation. Research cited below* has documented that the viral spike protein is able to initiate a cascade of events that triggers damage to distant organs in COVID-19 patients.

Worryingly, several studies have found that the spike proteins alone have the capacity to cause widespread injury throughout the body, without any evidence of virus.

What makes this finding so disturbing is that the COVID-19 mRNA vaccines manufactured by Moderna and Pfizer and currently being administered throughout the U.S. program our cells to manufacture this same coronavirus spike protein as a way to trigger our bodies to produce antibodies to the virus.” [\[Global Research article, Feb 2021\]](#)

Note: the Astra-Zeneca and J&J vaccines are also based on the spike protein, and cause the

spike protein to be created in the vaccinated person.

“Research cited below” refers to [this study in Nature](#) which reports that the spike protein, injected into mice, crosses into the brain, where it causes neurological damage.

Bigger news came just this week from a study in which researchers from California’s Salk Institute collaborated with Chinese virologists. They have found that the bare spike protein without the virus (injected in mice) can cause damaged arteries of the kind that lead to heart disease and strokes in humans. The original paper was published in [Circulation Research](#), and the [Salk Institute issued a news report](#) describing the research.

One of the most credible dangers of the spike protein involves fertility. None of the vaccines were tested in pregnant women, and yet many government and other authorities are recommending it as safe for pregnant women. VAERS has reported [174 miscarriages](#) to date after COVID vaccination. VAERS is [notoriously underreported](#). I find [the anecdotes](#) less concerning than the fact that no one is taking this seriously, and research is being [actively discouraged in the best-respected science journals](#).

There is a credible mechanism, in that the spike protein is partially homologous to syncytin. Syncytin, in fact, was [originally a retroviral protein](#), inserted into the mammalian genome many aeons ago, and evolved over the ages to play an essential role in reproduction, binding the placenta to the fetus. An immune response that attacks syncytin might be expected to be impose a danger of spontaneous abortion. In any ordinary times, this would be a subject that medical researchers would jump on, with animal tests and field surveys to assess the danger. But these are no ordinary times, and the risk is being [dismissed on theoretical grounds](#) without investigation. This is especially suspicious in the context of history: a Gates Foundation [vaccination program in 1995](#) was allegedly promoted to young women, causing infertility. (Yes, I know there are many fact-checkers eager to “debunk” this story, but I don’t find them convincing, and some of these [fact-checkers are compromised by Gates funding](#).)

Even doing what the spike protein is supposed to do — tying up ACE2 — can be a [problem for our lungs and arteries](#), which are [routinely protected by ACE2](#).

The most dangerous possibility, suspected but not verified, is that the spike protein causes a prion cascade. Prions are paradoxical pathogens, in that they are misfolded proteins that cause misfolded proteins. Their evolutionary etiology is utterly mysterious, so much so that it took [Stanley Prusiner](#) a decade after describing the [biology of prions](#) before the scientific community would take prion biochemistry seriously. But prions make [potent bioweapons](#), which laboratories can design outside of natural evolutionary dynamics. The possibility of prion-like structures in the spike protein was [noted very early in the pandemic](#) based on a computational study. [This recent review](#) combines theoretical, laboratory, and observational evidence to make a case for caution. Once again, I find it disturbing that this possibility is being [dismissed on theoretical grounds](#) rather than investigated in the lab and the field.

Where did the idea come from that all vaccines are automatically safe? Why do so many journalists dismiss the suggestion that vaccines should be placebo-tested individually, like all other drugs? Why has it become routine to ridicule and denigrate scientists who ask questions about vaccine safety as politically-motivated luddites, or “anti-vaxxers”? How did we get to a situation where the “precautionary principle” means pressuring young people who are at almost no risk for serious COVID to accept a vaccine which has not been fully

tested or approved? I don't have answers, but I do know who benefits from this culture.

Putting together all the evidence

- Knowledge beforehand
- Suppression of treatments and cures
- Toxicity of the spike protein which, if it had been made by nature, should have been benign
- Inclusion of the spike protein
- Heavy promotion of scantily-tested vaccines and
- Censorship of scientists and doctors who question the vaccines' safety

... putting together all this evidence, it is difficult to escape the inference that powerful people and organizations have engineered this pandemic with deadly intent.

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