

# Geert Bossche: Halt All Covid-19 Mass Vaccination (Open Letter to WHO)

Geert Vanden Bossch



## Geert Vanden Bossche, PhD

Geert Vanden Bossche, PhD, DVM, is a vaccine research expert. He has a long list of companies and organizations he's worked with on vaccine discovery and preclinical research, including GSK, Novartis, Solvay Biologicals, and Bill & Melinda Gates Foundation. Dr Vanden Bossche also coordinated the Ebola vaccine program at GAVI (Global Alliance for Vaccines and Immunization).

He is board-certified in Virology and Microbiology, the author of over 30 publications, and inventor of a patent application for universal vaccines. He currently works as an independent vaccine research consultant.

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"One could only think of very few other strategies to achieve the same level of efficiency in turning a relatively harmless virus into a bioweapon of mass destruction."

### We're Risking Creating a Global, "Uncontrollable Monster"

Dr Bossche believes that vaccinologists, clinicians, and scientists are only focusing on short-term results at the individual level and not the consequences at the global population level, which he believes will soon become evident. Evident in the form of having transformed "a quite harmless virus into an uncontrollable monster".

His concern rests on 'immune escape'. For those needing a quick introduction to the topic, read [Jemma Moran's article Mutant variations and the danger of lockdowns](#).



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For those needing a sweeping overview of our immunology, watch Ivor Cummins interview Creon Levit, [Ep81 The Amazing Immunology of our Viral Issue – Incredible Science at Work!](#) Many physicians would also benefit from watching this (note: the average physician receives exceptionally little training in immunology and virology). Those wishing to dig deeper into immunology in general, read for example, [Roitt's Essential Immunology, Thirteenth Edition](#).

Bossche states that the multiple emerging, "much more infectious" viral variants, are already examples of "immune escape" from our 'innate immunity', and were most-likely created by the government interventions themselves; the so-called Non-Pharmacological Interventions (NPIs) – i.e. lockdowns and cloth facial coverings. Unofficially, but also more aptly known as the [Non-Scientific Interventions](#).

He believes that:

- Ongoing mass vaccination deployments are "highly-likely to further enhance 'adaptive' immune escape as none of the current vaccines will prevent replication/transmission of viral variants"
- As such, "The more we use these vaccines for immunizing people in the midst of a pandemic, the more infectious the virus will become".
- And "With increasing infectiousness comes an increased likelihood of viral resistance to the vaccines".

He claims his beliefs are basic principles taught in a student's first vaccinology class – "One shouldn't use a prophylactic vaccine in populations exposed to high infectious pressure (which is now certainly the case as multiple highly infectious variants are currently circulating)".

He states that to "fully escape", the highly mutable virus, "only needs to add another few mutations in its receptor-binding domain".

### People Stand to Lose their Natural 'Innate' Immunity as a Consequence of the Meddling

His real worry though, or as he puts it, "beyond worried", is that the humankind may severely [damage its own, natural 'innate' immunity](#), because of the mass deployment of vaccination programs at this critical juncture. Our 'innate' immunity would be lost (a rich, variant-nonspecific, form of natural immunity).

It would also mean that vaccine-mediated protection would be lost.

I am beyond worried about the disastrous impact this would have on our human 'race'. Not only would people lose vaccine-mediated protection but also their precious, variant-nonspecific (!), innate immunity will be gone (this is because vaccinal antibodies outcompete natural antibodies for binding to Covid-19, even when their affinity for the viral variant is relatively low).

I've alerted all responsible health and regulatory authorities, including WHO, CDC, FDA etc. and have asked to consider my concern and to immediately open the discussion about the disastrous consequences any further immune escape of Covid-19 would have.

I know, of course, that current mass vaccination campaigns enjoy vigorous and world-wide support from a multitude of different parties/ stakeholders. However, unless I am proven wrong, this cannot be an excuse for ignoring that mankind may currently be transforming a quite harmless virus into an uncontrollable monster. I've never been that serious about a statement I made.

Screenshot of Bossche Keynote – Vaccine Summit (Ohio), March 2nd

All whilst new, more dangerous variants would be getting actively bred by mankind. In effect, “turning a relatively harmless virus into a bioweapon of mass destruction”.

#### Further Pre-Notes

- Vanden Bossche – Vaccine Summit Ohio, March 2nd), [keynote slides PDF](#), 'Why should current Covid-19 vaccines not be used for mass vaccination during a pandemic?'
- Vanden Bossche – 'We must halt all ongoing Covid-19 mass vaccination campaigns as a temporary health benefit to the most vulnerable groups does not justify a public health disaster of international concern', summary of the [manuscript PDF](#), February 26th. Note "In our naive and simplistic attempt to prevent the pandemic from running its natural course, we are in fact providing the beast with an even much better opportunity to escape host immunity than natural infection does."

Below is his open letter to the WHO, issued March 6th, 2021. I've only added more paragraph breaks and blue highlights, to help others be able to process faster.

A [PDF version](#) is available.

Telegram



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## Open Letter to the WHO: Immediately Halt All Covid-19 Mass Vaccinations

**Geert Vanden Bossche, DMV, PhD**, *independent virologist and vaccine expert, formerly employed at GAVI and The Bill & Melinda Gates Foundation.*

**To all authorities, scientists and experts around the world, to whom this concerns: the entire world population.**

I am all but an antivaxxer. As a scientist I do not usually appeal to any platform of this kind to make a stand on vaccine-related topics. As a dedicated virologist and vaccine expert I only make an exception when health authorities allow vaccines to be administered in ways that threaten public health, most certainly when scientific evidence is being ignored.

The present extremely critical situation forces me to spread this emergency call. As the unprecedented extent of human intervention in the Covid-19 pandemic is now at risk of resulting in a global catastrophe without equal, this call cannot sound loudly and strongly enough.

As stated, I am not against vaccination. On the contrary, I can assure you that each of the current vaccines have been designed, developed and manufactured by brilliant and competent scientists. However, this type of prophylactic vaccines are completely inappropriate, and even highly dangerous, when used in mass vaccination campaigns during a viral pandemic.

Vaccinologists, scientists and clinicians are blinded by the positive short-term effects in individual patents, but don't seem to bother about the disastrous consequences for global health. Unless I am scientifically proven wrong, it is difficult to understand how current human interventions will prevent circulating variants from turning into a wild monster.

Racing against the clock, I am [completing my scientific manuscript](#), the publication of which is, unfortunately, likely to come too late given the ever increasing threat from rapidly spreading, highly infectious variants. This is why I decided to already post a summary of my findings as well as my keynote speech at the recent Vaccine Summit in Ohio on LinkedIn.

Last Monday, I provided international health organizations, including the WHO, with my analysis of the current pandemic as based on scientifically informed insights in the immune biology of Covid-19. Given the level of emergency, I urged them to consider my concerns and to initiate a debate on the detrimental consequences of further 'viral immune escape'.

For those who are no experts in this field, I am attaching below a more accessible and comprehensible version of the science behind this insidious phenomenon.

While there is no time to spare, I have not received any feedback thus far. Experts and politicians have remained silent while obviously still eager to talk about relaxing infection prevention rules and 'springtime freedom'. My statements are based on nothing else but science. They shall only be contradicted by science.

While one can barely make any incorrect scientific statements without being criticized by peers, it seems like the elite of scientists who are currently advising our world leaders prefer to stay silent. Sufficient scientific evidence has been brought to the table.

Unfortunately, it remains untouched by those who have the power to act. How long can one ignore the problem when there is at present massive evidence that viral immune escape is now threatening humanity? We can hardly say we didn't know – or were not warned.

In this agonizing letter I put all of my reputation and credibility at stake. I expect from you, guardians of mankind, at least the same. It is of utmost urgency. Do open the debate. By all means: turn the tide!

## Why mass vaccination amidst a pandemic creates an irrepressible monster

THE key question is: why does nobody seem to bother about viral immune escape? Let me try to explain this by means of a more easily understood phenomenon: Antimicrobial resistance. One can easily extrapolate this scourge to resistance to our self-made 'antiviral antibiotics'. Indeed, antibodies (Abs) produced by our own immune system can be considered self-made antiviral antibiotics, regardless of whether they are part of our innate immune system (so-called 'natural' Abs) or elicited in response to specific pathogens (resulting in so-called 'acquired' Abs).

Natural Abs are not germ-specific whereas acquired Abs are specifically directed at the invading pathogen. At birth, our innate immune system is 'unexperienced' but well-established. It protects us from a multitude of pathogens, thereby preventing these pathogens from causing disease.

As the innate immune system cannot remember the pathogens it encountered (innate immunity has no so-called 'immunological memory'), we can only continue to rely on it provided we keep it 'trained' well enough.

Training is achieved by regular exposure to a myriad of environmental agents, including pathogens. However, as we age, we will increasingly face situations where our innate immunity (often called 'the first line of immune defense') is not strong enough to halt the pathogen at the portal of entry (mostly mucosal barriers like respiratory or intestinal epithelia).

When this happens, the immune system has to rely on more specialized effectors of our immune system (i.e., antigen-specific Abs and T cells) to fight the pathogen. So, as we grow up, we increasingly mount pathogen-specific immunity, including highly specific Abs. As those have stronger affinity for the pathogen (e.g., virus) and can reach high concentrations, they can quite easily outcompete our natural Abs for binding to the pathogen/virus.

It is precisely this type of highly specific, high affinity Abs that current Covid-19 vaccines are inducing. Of course, the noble purpose of these Abs is to protect us against Covid-19. So, why then *should there be a major concern using these vaccines to fight Covid-19?*

Well, similar to the rules applying to classical antimicrobial antibiotics, it is paramount that our self-made 'antiviral antibiotics' are made available in sufficient concentration and are tailored at the specific features of our enemy.

This is why in case of bacterial disease it is critical to not only choose the right type of antibiotic (based on the results from an antibiogram) but to also take the antibiotic for long enough (according to the prescription).

Failure to comply with these requirements is at risk of granting microbes a chance to survive and hence, may cause the disease to fare up. A very similar mechanism may also apply to viruses, especially to viruses that can easily and rapidly mutate (which is, for example, the case with Coronaviruses); when the pressure exerted by the army's (read: population's) immune defense starts to threaten viral replication and transmission, the virus will take on another coat so that it can no longer be easily recognized and, therefore, attacked by the host immune system. The virus is now able to escape immunity (so-called: 'immune escape').

However, the virus can only rely on this strategy provided it still has room enough to replicate. Viruses, in contrast to the majority of bacteria, must rely on living host cells to replicate. This is why the occurrence of 'escape mutants' isn't too worrisome as long as the likelihood for these variants to rapidly find another host is quite remote. However, that's not particularly the case during a viral pandemic!

During a pandemic, the virus is spreading all over the globe with many subjects shedding and transmitting the virus (even including asymptomatic 'carriers'). The higher the viral load, the higher the likelihood for the virus to bump into subjects who haven't been infected yet or who were infected but didn't develop symptoms. Unless they are sufficiently protected by their innate immune defense (through natural Abs), they will catch Covid-19 disease as they cannot rely on other, i.e., acquired Abs.

It has been extensively reported, indeed, that the increase in S (spike)-specific Abs in asymptotically infected people is rather limited and only short-lived. Furthermore, these Abs have not achieved full maturity.

The combination of viral infection on a background of suboptimal Ab maturity and concentration enables the virus to select mutations allowing it to escape the immune pressure. The selection of those mutations preferably occurs in the S protein as this is the viral protein that is responsible for viral infectiousness.

As the selected mutations endow the virus with increased infectious capacity, it now becomes much easier for the virus to cause severe disease in infected subjects. The more people develop symptomatic disease, the better the virus can secure its propagation and perpetuation (people who get severe disease will shed more virus and for a longer period of time than asymptotically infected subjects do).

Unfortunately, enough, the short-lived rise in S-specific Abs does, however, surface to bypass people's innate/natural Ab. Those are put out of business as their affinity for S is lower than the affinity of S-specific Abs. This is to say that with an increasing rate of infection in the population, the number of subjects who get infected while experiencing a momentary increase in S-specific Abs will steadily increase.

Consequently, the number of subjects who get infected while experiencing a momentary decrease in their innate immunity will increase. As a result, a steadily increasing number of subjects will become more susceptible to getting severe disease instead of showing only mild symptoms (i.e., limited to the upper respiratory tract) or no symptoms at all.

During a pandemic, especially youngsters will be affected by this evolution as their natural Abs are not yet largely suppressed by a panoply of 'acquired', antigen-specific Abs. Natural Abs, and natural immunity in general, play a critical role in protecting us from pathogens as they constitute our first line of immune defense. In contrast to acquired immunity, innate immune responses protect against a large spectrum of pathogens (so don't compromise or sacrifice your innate immune defense!).

Because natural Abs and innate immune cells recognize a diversified spectrum of foreign (i.e., non-self) agents (only some of which have pathogenic potential), it's important, indeed, to keep it sufficiently exposed to environmental challenges.

By keeping the innate immune system (which, unfortunately, has no memory!) TRAINED, we can much more easily resist germs which have real pathogenic potential. It has, for example, been reported and scientifically proven that exposure to other, quite harmless Coronaviruses causing a 'common cold' can provide protection, although short-lived, against Covid-19 and its loyal henchmen (i.e., the more infectious variants).

Suppression of innate immunity, especially in the younger age groups, can, therefore, become very problematic. There can be no doubt that lack of exposure due to stringent containment measures implemented as of the beginning of the pandemic has not been beneficial to keeping people's innate immune system well trained.

As if this was not already heavily compromising innate immune defense in this population segment, there comes yet another force into play that will dramatically enhance morbidity and mortality rates in the younger age groups: MASS VACCINATION of the ELDERLY.

The more extensively the later age group will be vaccinated and hence, protected, the more the virus is forced to continue causing disease in younger age groups.

This is only going to be possible provided it escapes to the S-specific Abs that are momentarily raised in previously asymptotically infected subjects. If the virus manages to do so, it can benefit from the (momentarily) suppressed innate immunity, thereby causing disease in an increasing number of these subjects and ensuring its own propagation.

Selecting targeted mutations in the S protein is, therefore, the way to go in order for the virus to enhance its infectiousness in candidates that are prone to getting the disease because of a transient weakness of their innate immune defense.

But in the meantime, we're also facing a huge problem in vaccinated people as they're now more and more confronted with infectious variants displaying a type of S protein that is increasingly different from the S edition comprised with the vaccine (the later edition originates from the original, much less infectious strain at the beginning of the pandemic).

The more variants become infectious (i.e., as a result of blocking access of the virus to the vaccinated segment of the population), the less vaccinal Abs will protect. Already now, lack

of protection is leading to viral shedding and transmission in vaccine recipients who are exposed to these more infectious strains (which, by the way, increasingly dominate the field).

This is how we are currently turning vaccines into asymptomatic carriers shedding infectious variants.

At some point, in a likely very near future, it's going to become more profitable (in term of 'return on selection investment') for the virus to just add another few mutations (maybe just one or two) to the S protein of viral variants (already endowed with multiple mutations enhancing infectiousness) in an attempt to further strengthen its binding to the receptor (ACE-2) expressed on the surface of permissive epithelial cells.

This will now allow the new variant to outcompete vaccinal Abs for binding to the ACE receptor. This is to say that at this stage, it would only take very few additional targeted mutations within the viral receptor-binding domain to fully resist S-specific ant-Covid-19 Abs, regardless whether the later are elicited by the vaccine or by natural infection.

At that stage, the virus will, indeed, have managed to gain access to a huge reservoir of subjects who have now become highly susceptible to disease as their S-specific Abs have now become useless in terms of protection but still manage to provide for long-lived suppression of their innate immunity (i.e., natural infection, and especially vaccination, elicit relatively long-lived specific Ab titers). The susceptible reservoir comprises both, vaccinated people and those who're left with sufficient S-specific Abs due to previous Covid-19 disease). So, MISSION

ACCOMPLISHED for Covid-19 but a DISASTROUS SITUATION for all vaccinated subjects and Covid-19 seropositive people as they've now lost both, their acquired and innate immune defense against Covid-19 (while highly infectious strains are circulating!).

That's 'one small step for the virus, one giant catastrophe for mankind', which is to say that we'll have whipped up the virus in the younger population up to a level that it now takes little effort for Covid-19 to transform into a highly infectious virus that completely ignores both the innate arm of our immune system as well as the adaptive/acquired one (regardless of whether the acquired Abs resulted from vaccination or natural infection).

The effort for the virus is now becoming even more negligible given that many vaccine recipients are now exposed to highly infectious viral variants while having received only a single shot of the vaccine.

Hence, they are endowed with Abs that have not yet acquired optimal functionality. There is no need to explain that this is just going to further enhance immune escape. Basically, we'll very soon be confronted with a super-infectious virus that completely resists our most precious defense mechanism: The human immune system.

From all of the above, it's becoming increasingly difficult to imagine how the consequences of the extensive and erroneous human intervention in this pandemic are not going to wipe out large parts of our human population.

One could only think of very few other strategies to achieve the same level of efficiency in turning a relatively harmless virus into a bioweapon of mass destruction.

It's certainly also worth mentioning that mutations in the S protein (i.e., exactly the same protein that is subject to selection of escape mutations) are known to enable Coronaviruses to cross species barriers.

This is to say that the risk that vaccine-mediated immune escape could allow the virus to jump to other animal species, especially industrial livestock (e.g., pig and poultry farms), is not negligible. These species are already known to host several different Coronaviruses and are usually housed in farms with high stocking density.

Similar to the situation with influenza virus, these species could then serve as an additional reservoir for SARS-COVID-2 virus.

As pathogens have co-evolved with the host immune system, natural pandemics of acute self-limiting viral infections have been shaped such as to take a toll on human lives that is not higher than strictly required.

Due to human intervention, the course of this pandemic has been thoroughly disturbed as of the very beginning. Widespread and stringent infection prevention measures combined with mass vaccination campaigns using inadequate vaccines will undoubtedly lead to a situation where the pandemic is getting increasingly 'out of control'.

Paradoxically, the only intervention that could offer a perspective to end this pandemic (other than to let it run its disastrous course) is ...VACCINATION. Of course, the type of vaccines to be used would be completely different of conventional vaccines in that they're not inducing the usual suspects, i.e., B and T cells, but NK cells.

There is, indeed, compelling scientific evidence that these cells play a key role in facilitating complete elimination of Covid-19 at an early stage of infection in asymptotically infected subjects.

NK cells are part of the cellular arm of our innate immune system and, alike natural Abs, they are capable of recognizing and attacking a broad and diversified spectrum of pathogenic agents.

There is a sound scientific rationale to assume that it is possible to 'prime' NK cells in ways for them to recognize and kill Coronaviruses at large (include all their variants) at an early stage of infection. NK cells have increasingly been described to be endowed with the capacity to acquire immunological memory.

By educating these cells in ways that enable them to durably recognize and target Coronavirus-infected cells, our immune system could be perfectly armed for a targeted attack to the universe of Coronaviruses prior to exposure.

As NK cell-based immune defense provides sterilizing immunity and allows for broad-spectrum and fast protection, it is reasonable to assume that harnessing our innate immune cells is going to be the only type of human intervention left to halt the dangerous spread of highly infectious Covid-19 variants.

If we, human beings, are committed to perpetuating our species, we have no choice left but to eradicate these highly infectious viral variants. This will, indeed, require large vaccination campaigns. However, NK cell-based vaccines will primarily enable our natural immunity to be better prepared (memory!) and to induce herd immunity (which is exactly the opposite of what current Covid-19 vaccines do as those increasingly turn vaccine recipients into asymptomatic carriers who are shedding virus).

So, there is not one second left for gears to be switched and to replace the current killer vaccines by life-saving vaccines.

I am appealing to the WHO and all stakeholders involved, no matter their conviction, to immediately declare such action as THE SINGLE MOST IMPORTANT PUBLIC HEALTH EMERGENCY OF INTERNATIONAL CONCERN.

#### **More Resources:**

- [Apocalypse 2020: Draconian Censorship, Non-Scientific Lockdowns, Media Deception, Rise of Technocracy — Jay W. Richards](#)
- [“I would probably prefer to have natural immunity” — Dr Byram Bridle \(Viral Immunologist\)](#)
- [Request for Expedited Federal Investigation Into Scientific Fraud in Public Health Policies — Open Letter](#)