

# “Immunoepidemiological consequences of the C-19 mass vaccination experiment”

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G. Vanden Bossche, DVM, PhD

<https://www.voiceforscienceandsolidarity.org/>

# This talk is NOT about...

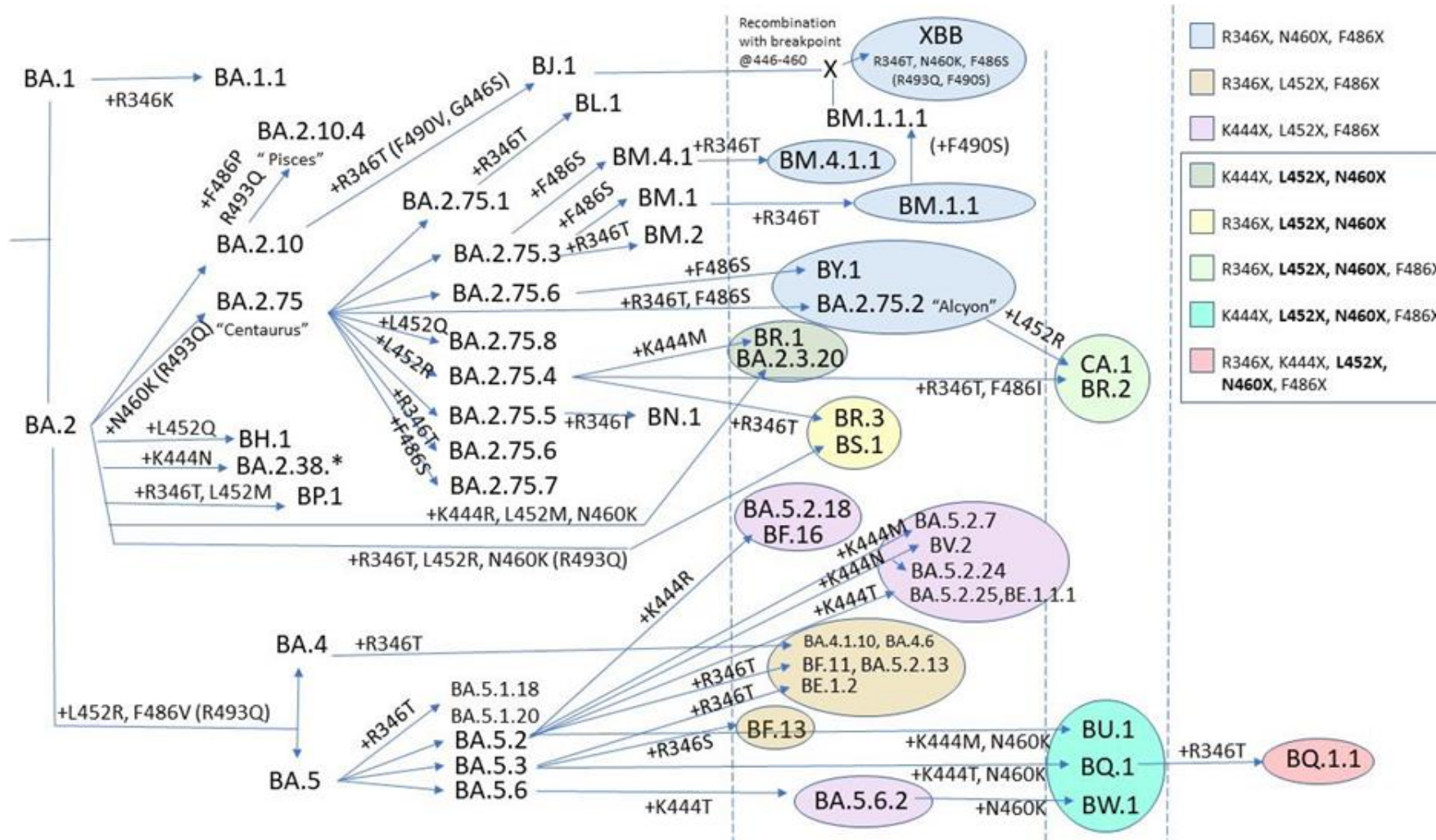
- Health outcomes in vaccinees vs unvaccinated
- Vaccine-related side effects
- C-19 Treatment
- How to intervene at this stage of the pandemic?
- How to prepare for the worst?

But about understanding how the pandemic evolves and predicting how it is going to end. It's only possible when one understands the driving force behind the convergent mutations (i.e., immune pressure) and why and how it evolves....

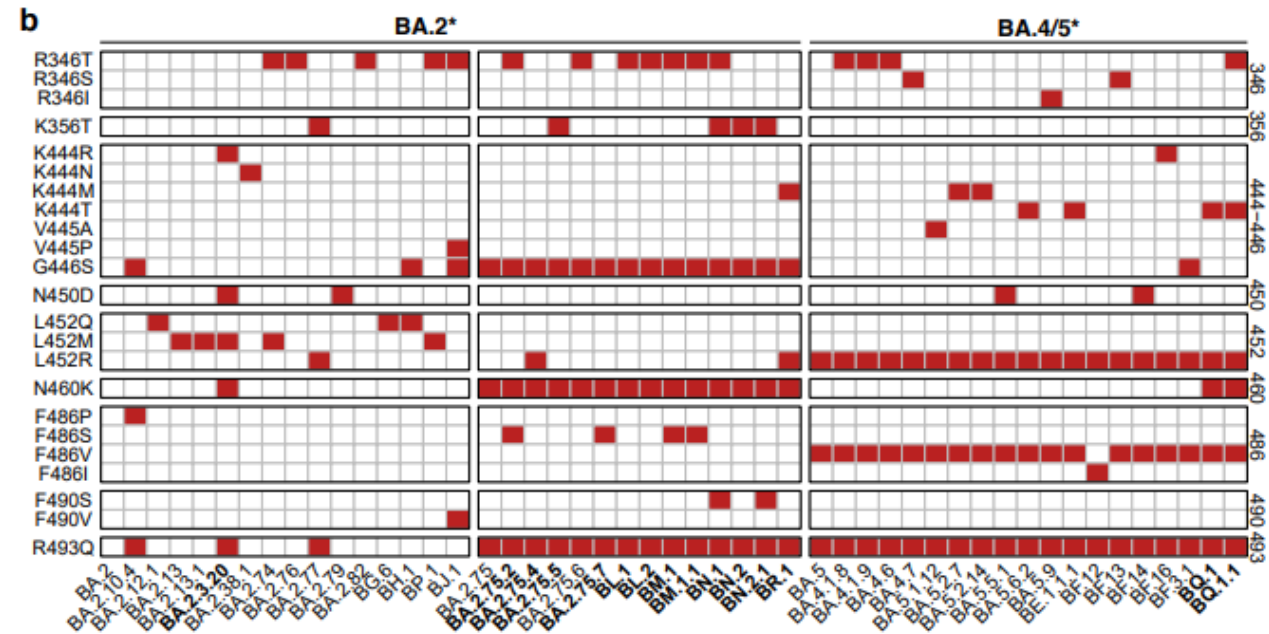
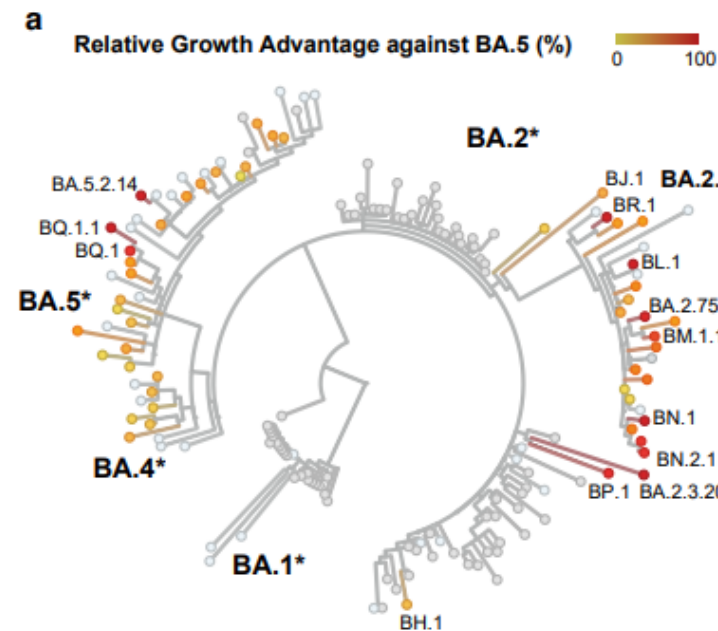
# Even scientists can contract wilful blindness....

- Fulminant immune escape is great food for publications for '**variant spotters**'
- DMS, neutralization assays and ACE2-binding assays document the impact of amino acid mutations on receptor-binding affinity ( $\cong$  infectiousness) and immune escape from Ab neutralizing capacity (sera & mAbs & Ab drug cocktails)
- **Nobody sees the forest for the trees** (as they don't seem to understand the underlying immune interaction between the virus and the immune system) but all agree that **convergent evolution** of 'concerning' variants and resulting immune escape is due to ***immune selection pressure*** placed on the virus
- However, nobody dares to mention that this immune selection pressure has become more and **more obvious as vaccine coverage rates were growing** and that changes to the mutational landscape are now only escalating
- On the contrary: Scientists excelling in this molecular stamp collection are advocating for the **development of broad-spectrum vaccines and Ab drugs!**

# SARS-CoV-2 surveillance: An addictive exercise in molecular stamp collection....



# SARS-CoV-2 surveillance: An addictive exercise in molecular stamp collection.....



# Personalized stamps....

<b>Pango lineage</b>	<b>Nickname</b>	<b>Comments</b>
BA.2.75	Centaurus	Father of centaurs
BA.2.75.2	Chiron	King of centaurs
BJ.1	Argus	100-eyed giant
BA.2.3.20	Basilisk	Giant serpent
BQ.1	Typhon	Snake creature, father of Cerberus
<b>BQ.1.1.</b>	Cerberus	Three-headed dog, guards Hades
<b>XBB</b>	Gryphon	Body of lion, head of eagle
BM.1.1.1	Mimas	Giant

It is five past twelve:

My last and desperate call for action as Omicron now causes **fast & large-scale immune escape** in vaccinees

*Why are mutational escape researchers  
not ringing the alarm bell?*

There is no greater impotence in all the world like knowing you are right and that the wave of the world is wrong, yet the wave crashes upon you. — Norman Mailer

# The narrative.....

- ICU: no relevant increase in Covid-19 cases
- Hospitalizations due to Covid-19: increase is not alarming
- Herd immunity? Great! Thanks to vaccines + subsequent boosting by Omicron!

*We'll soon go endemic!*

- What about new emerging variants derived from BA.2 et BA.5?

*We'll tame them thanks to updated Omicron vaccines!*

- What about immunity upon post-vaccination infection or post-infection vaccination?

*Hybrid immunity is the best of the best!*

**So let's move ahead with C-19 vaccination!**



# I don't get it..... anyone does?.

- OMICRON! More infectious, less virulent: 'Blessing'? How to explain?
  - no HI, no innate immunity
  - no change in virulence genes; on the contrary:
  - Omicron: virulent *in vitro*!
  - occurred very rapidly
  - same protection after vaccine booster dose
- Why does mass vax not induce herd immunity (HI) whereas natural mass immunization (pandemic) does?
- Why do morbidity and hospitalization rates no longer follow high infection rates? How to explain this disconnect? And how to explain the disconnect with age and season?
- Initially vaccinal neutralizing Abs (NAbs) protected against disease. How to explain mitigation of disease symptoms despite viral resistance to NAbs?
- What causes the current explosion of variants?
- **Conclusion:** Something 'weird' happened!

# Something 'weird' mitigated' my predictions....

My predictions	Outcome (so far)
1. Mass vax will turn SC-2 into bioweapon for mass destruction	–
2. Timeline for emergence of highly infectious & virulent variants: 3Q '22	–
3. Omicron: Not a blessing but a scourge!	?
4. Early treatment may be too little and come too late	–
5. Damage most obvious in the vaccinees	yes, but primarily due to side-effects
6. Unvax'ed increasingly spared from C-19 disease	yes, but except for ADED
7. No herd immunity	+
8. Vaccine-induced immunity way inferior to natural immunity	+
9. Virus will become + and + infectious	+
10. Virus will become resistant to variant-specific NABs	+

If 1 + 3-5 ain't bullsh..., then we are in deep sh...; Why was timeline (2) wrong?

# Viral immune escape : when does it happen?

- Whenever antigen-specific Abs have low affinity-maturity!

Mass vax during pandemic : Suboptimal immune pressure on viral infectiousness / S of circulating variant

Protection against

DISEASE

affinity  
maturation →

Suboptimal immune pressure on viral neutralizability



No vaccine protection against infection

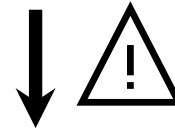


↗ infectiousness + poor neutralizability : **OMICRON**



Stimulation of polyreactive, non-neutralizing Abs → bind to free virion

↗ extrinsic  
infectiousness



Vaccine breakthrough infection



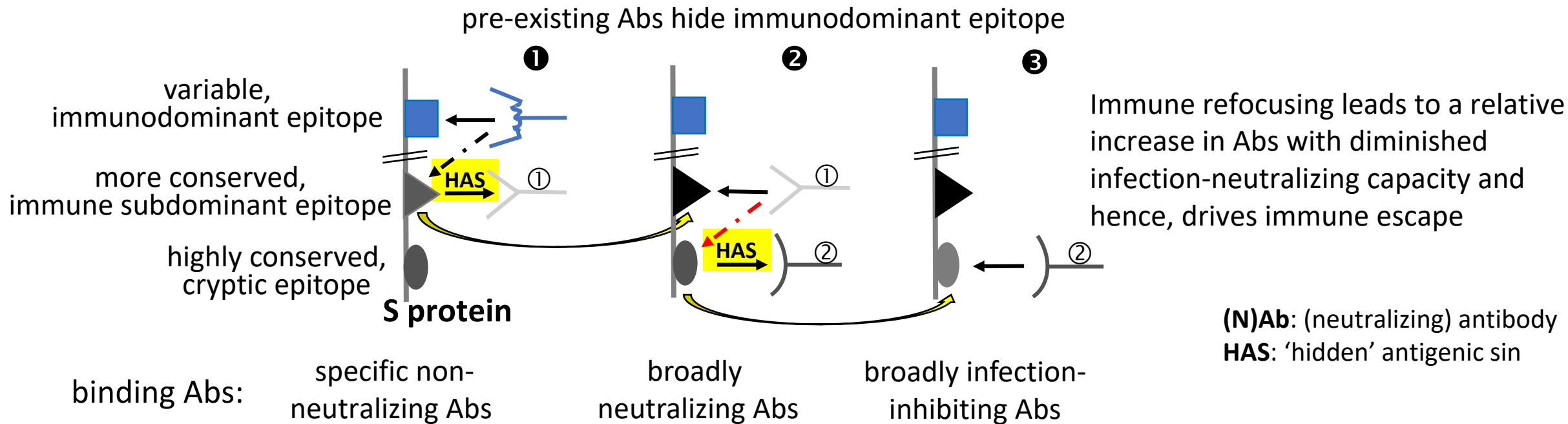
Immune refocusing to subdominant epitopes (↗ low affinity)

Protection against

SEVERE DISEASE

*Immune refocusing* enables large scale immune escape in vaccinees by reorienting the immune response to antigens (Ags) that recall antibodies (Abs) with diminished neutralizing capacity

- Immune refocusing (IR) occurs when **pre-existing Abs bind to their target epitopes with low affinity** (in case of vaccine breakthrough disease or vaccine boosters in previously mRNA vaccine-primed persons). Humoral IR of Abs to subdominant S-associated antigenic domains places suboptimal immune pressure on these more conserved domains



# Viral immune escape : when does it happen? (contn'd)

Protection against

INFECTION

Immune refocusing to subdominant epitopes



Sub-optimal immune pressure on variant-nonspecific neutralizability



immune escape

Sub-optimal immune pressure on variant-nonspecific infectiousness



immune escape

↗↗ intrinsic infectiousness + no neutralizability : SUPER-OMICRON



Protection against

SEVERE DISEASE

Stimulation of polyreactive, non-neutralizing Abs  
+ virus attached to migrating DCs



Non-neutralizing Abs bind to same epitope but on DC-bound virus



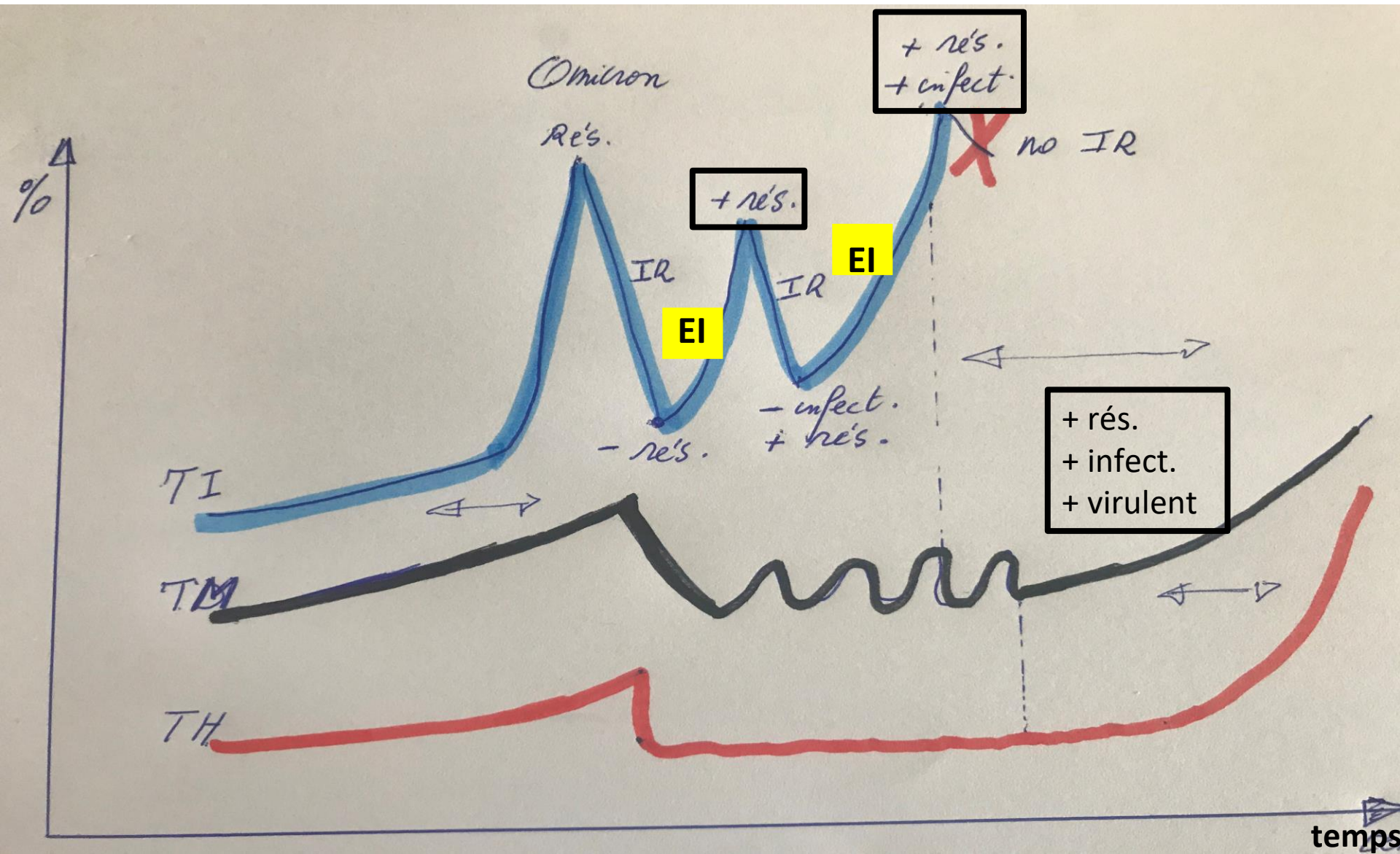
Suboptimal immune pressure on viral virulence



SEVERE vaccine breakthrough DISEASE

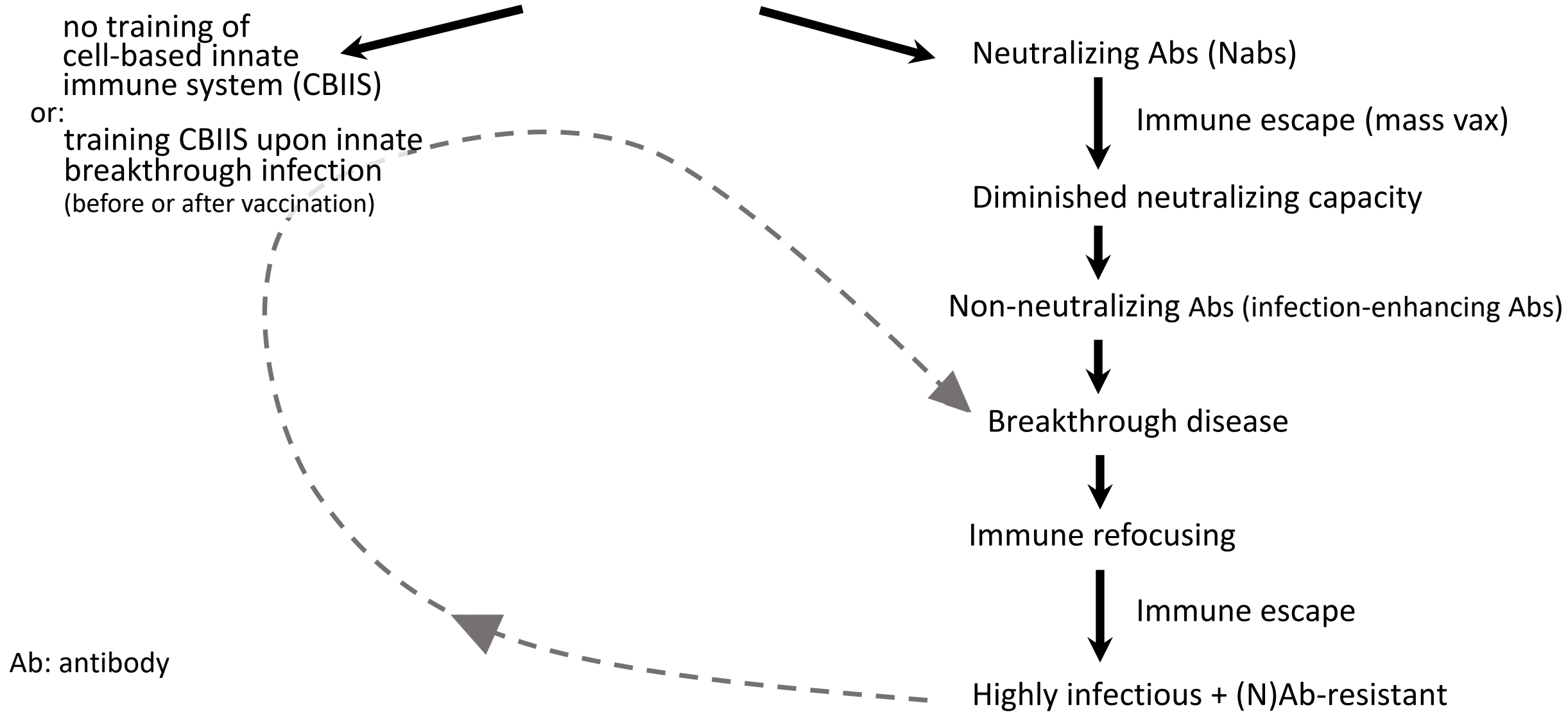
We are here:  
5 past 12!

# Immune refocusing enhances immune escape



- TI:** infection rate
- TM:** morbidity rate
- TH:** hospitalization rate
- Infect.:** Infectiousness
- Rés:** Resistance to neutralizing antibodies
- IR:** immune refocusing
- EI:** immune evasion

# mRNA-based C-19 vaccination



In case of mRNA vaccines, immune escape has snowball effect on viral infectiousness in vaccinees via resistance to (N)Abs + immune refocusing + poorly trained innate immunity → **enhanced virulence!**

# THE statement

- **Never vaccinate during a pandemic of an acute self-limiting viral infection!**
- Only pandemic-induced but not C-19 vaccine-(incl. mucosal!) induced immunity will generate HI and curtail viral spread/ transmission
- C-19 vaccines put suboptimal pressure on viral infectiousness = recipe for IMMUNE ESCAPE towards more infectious variants
- Only non-neutralizing Abs protect against severe/ systemic Covid-19 disease
- **SARS-CoV-2 will adapt to the host's immune defense in ways that prevent these Abs from inhibiting *trans* infection (responsible for causing severe/ systemic disease). Resistance to these Abs will now facilitate enhancement of severe C-19 disease!**



# The weakest point in the narrative? The science!

- One cannot tame a viral pandemic without dramatic reduction of the viral transmission rate
- One cannot diminish the viral transmission rate without generating herd immunity
- One cannot generate herd immunity without generating natural immunity
  
- However, vaccines have exactly the opposite effect:
  - they don't generate herd immunity and hence,
  - they drive immune escape and
  - dominant propagation of more infectious variants
- **The mass vaccination program is by far the largest and most precisely targeted gain-of-function experiment ever conducted *in vivo* (!) in the history of biology and...it uses human beings!!**
- **Stopping it won't change the outcome** (as breakthrough infections are throwing oil on the fire!) **but continuing mRNA boosters will expedite the disastrous outcome!**

# Recipe for a disaster

- **Mass vaccinate** populations and **boost** them (repeatedly) once they're highly vaccinated + include the **children** in the program because....
- The higher the number of **breakthrough infections** and **vaccine booster doses** per person and the **larger the fraction of the vaccinated population**, the more immune refocusing events will take place and the faster viral immune escape will proceed.

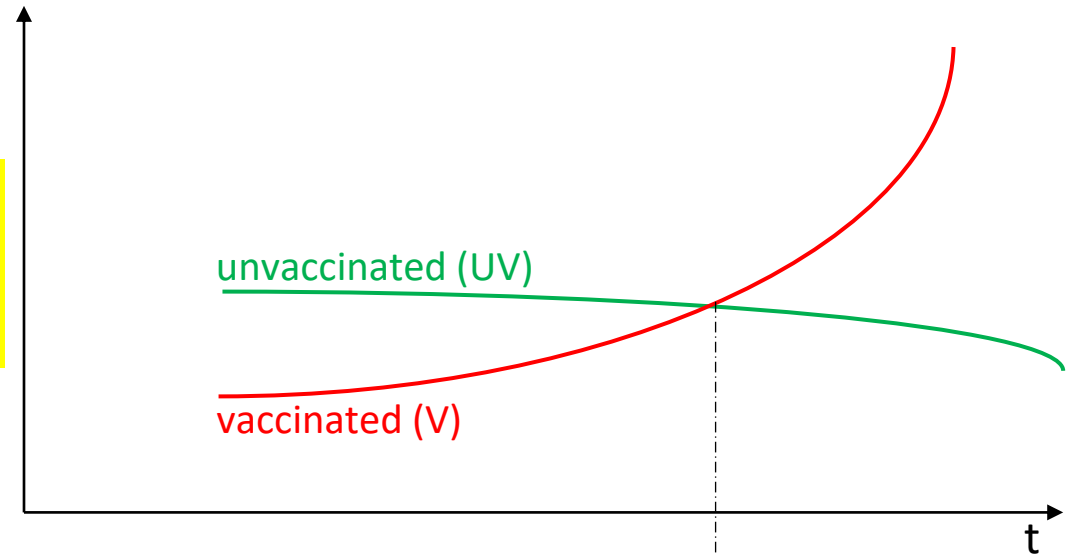
# How will consequences of enhanced immune escape in vaccinees evolve?

neutralization-resistant, more infectious variants trigger stimulation of non-neutralizing polyreactive Abs putting suboptimal humoral pressure on viral virulence

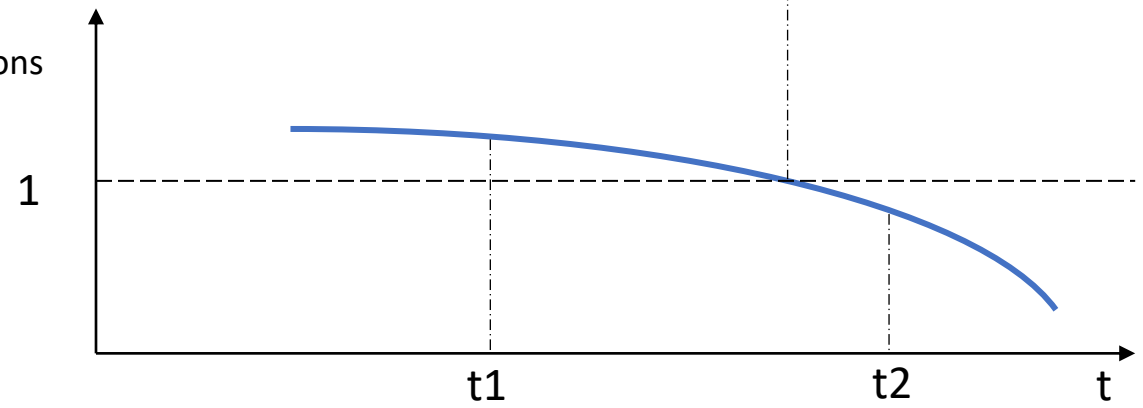


Immune escape will cause Ab-dependent enhancement of severe disease

C-19 hospitalizations



Ratio C-19 hospitalizations in UV versus V



In vaccinees:

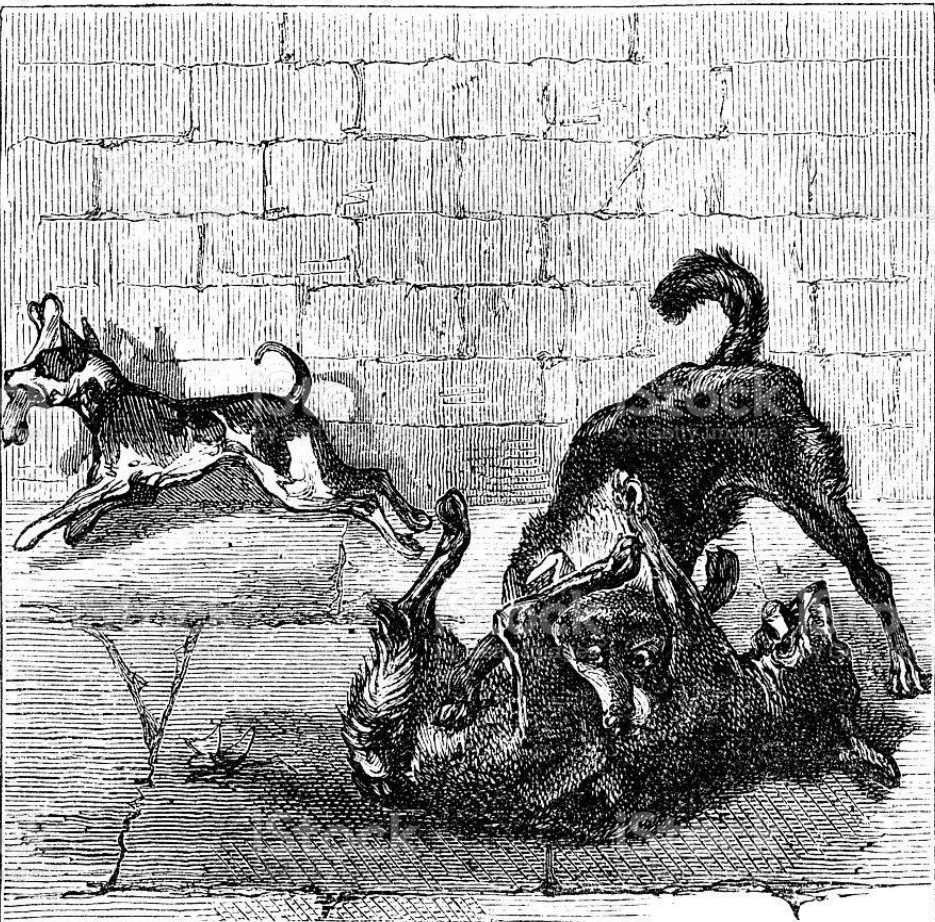
1. Enhanced susceptibility to infection (first in elderly)
2. Enhanced susceptibility to C-19 disease (first in elderly)
3. Enhanced susceptibility to severe C-19 disease (first in elderly).....



# Better Way Conference

Lack of herd immunity will eventually stop 'herd' psychosis

TWO DOGS FIGHT FOR A BONE, AND A THIRD RUNS AWAY WITH IT.



Biology: Viral immune escape (due to lack of herd immunity)

Africa will win the C-19 battle!!

Stakeholders of mass vax & technocracy:  
- Narrative  
- 'Herd' psychosis

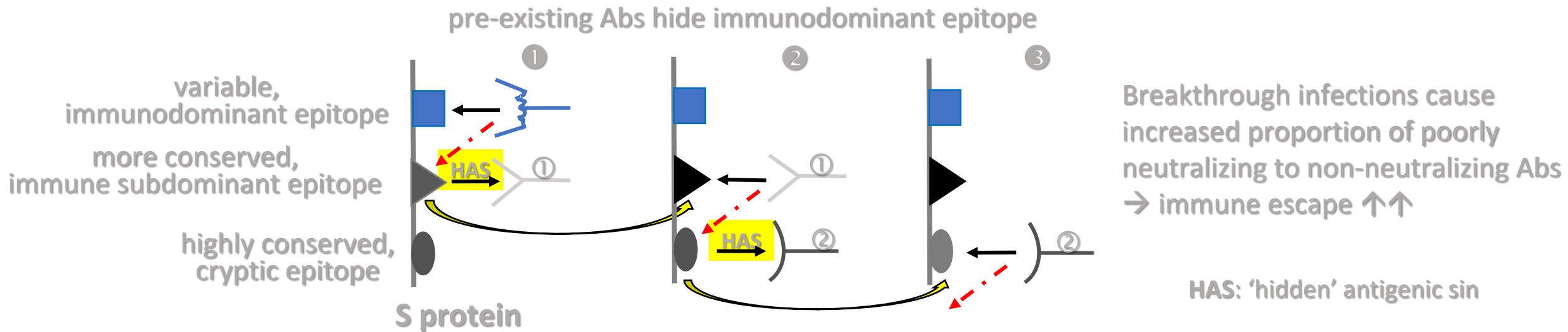
Stakeholders of 'One Health' & solidarity:  
- Passion for the truth  
- Independent critical thinking

Thanks for your attention

<https://www.voiceforscienceandsolidarity.org/>

# Immune refocusing expedites immune escape in vaccinees by reorienting the immune response to Ags that recall Abs with less neutralizing capacity

- Immune refocusing occurs when immune system is confronted with an Ag in the presence of pre-existing Abs against a similar (but not identical) Ag (in case of vaccine breakthrough infection or disease) or a different form of the same Ag (in case of vaccine boosters in previously mRNA vaccine-primed persons)



- Emerging Omicron variants are putting themselves under growing immune pressure by recalling vaccine-induced Abs with decreasing neutralizing capacity ① ②
- This is now promoting converging RBD mutations enabling enhanced infectiousness

# References

- Breakthrough disease sidelines Ag-presenting system but conserved antigenic site within S-NTD does not need APC since Th-independent Ag
- <https://www.nature.com/articles/s41586-021-03925-1.pdf> Lectins enhance SARS-CoV-2 infection and influence neutralizing antibodies
- See my presentation on glycans:  
<https://www.voiceforscienceandsolidarity.org/scientific-blog/predictions-gvb-on-evolution-c-19-pandemic>
- Monitoring the rapidly evolving epidemiological landscape and newly emerging variants is of high importance for guiding vaccine adaptation programs
- Definition of virulence