

La désinformation en temps de pandémie

Sebastian Dieguez
Université de Fribourg

**Journée scientifique de printemps
Association des responsables de laboratoire de Suisse
romande
12 mai 2022**

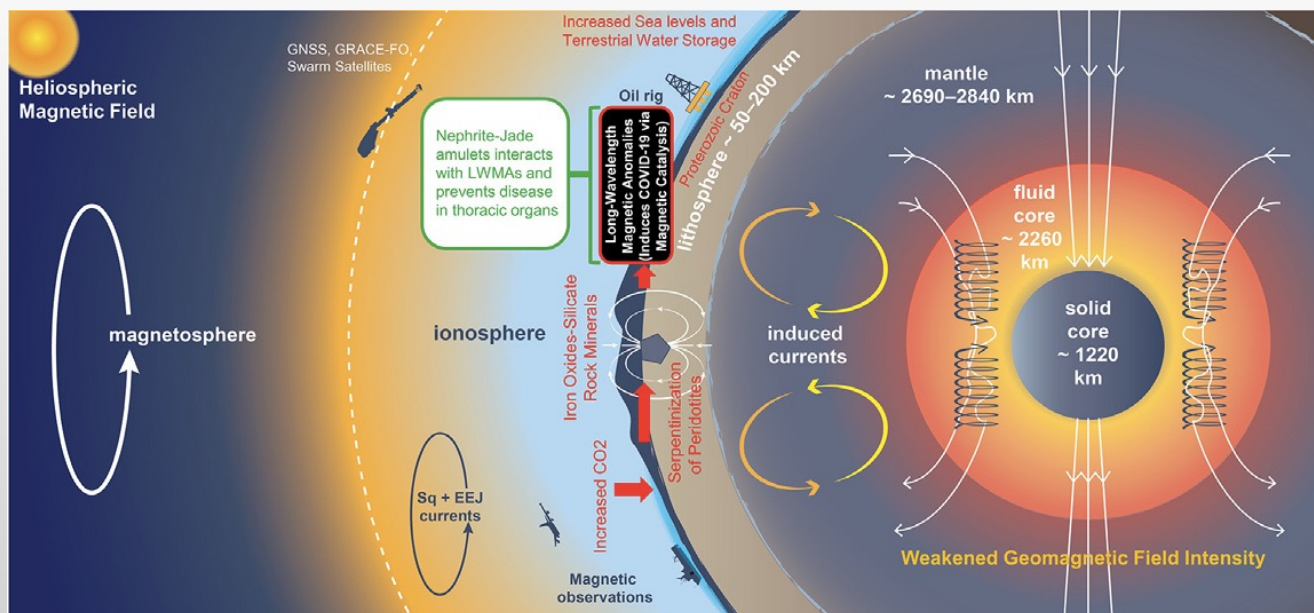


Can Traditional Chinese Medicine provide insights into controlling the COVID-19 pandemic: Serpentinization-induced lithospheric long-wavelength magnetic anomalies in Proterozoic bedrocks in a weakened geomagnetic field mediate the aberrant transformation of biogenic molecules in COVID-19 via magnetic catalysis

Moses Turkle Bility^{a,*}, Yash Agarwal^a, Sara Ho^a, Isabella Castronova^a, Cole Beatty^a, Shivkumar Biradar^a, Vanshika Narala^a, Nivitha Periyapatna^a, Yue Chen^a, Jean Nachega^{a,b}

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HIGHLIGHTS

- Lethal COVID-19-like disease with SARS-CoV-2-like infection in a rat colony.
- Severe COVID-19 outbreaks are coupled to serpentinization-associated water dynamics.
- Severe COVID-19 outbreaks are coupled with magnetic anomalies in Proterozoic cratons.
- The COVID-19 pandemic is coupled to dynamics in the geosphere via magnetic catalysis.
- Nephrite-Jade amulets, a calcium-ferromagnesian silicate, may prevent COVID-19.

5G Technology and induction of coronavirus in skin cells

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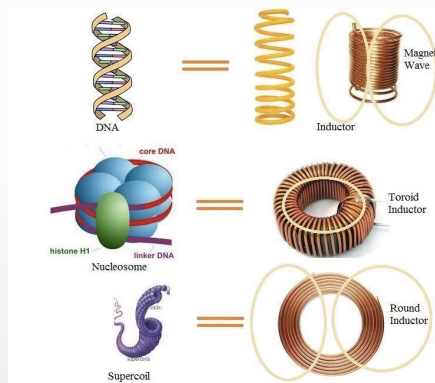
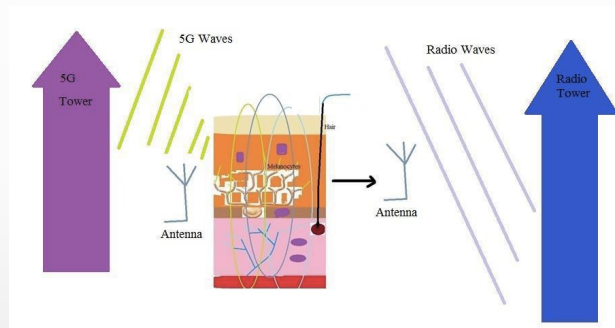


Fig. 3. A similarity between different states of DNA with different types of inductors

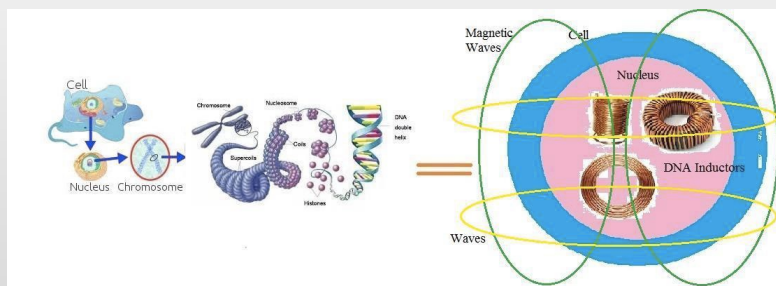


Fig. 4. A DNA within the nucleus acts as the inductor and emits magnetic waves



This article has been retracted.

Retraction in: [Open Access Maced J Med Sci. 2020 September 30; 8\(B\): 573](#) See also: [PMC Retraction Policy](#)

A Black Hole at the Center of Earth Plays the Role of the Biggest System of Telecommunication for Connecting DNAs, Dark DNAs and Molecules of Water on 4+N- Dimensional Manifold

Massimo Fioranelli,^{1,*} Alireza Sepehri,¹ Maria Grazia Rocca,¹ Cota Linda,¹ Chiara Rossi,¹ Petar Vojvodic,²
Jacopo Lotti,¹ Victoria Barygina,³ Aleksandra Vojvodic,⁴ Uwe Wollina,⁵ Michael Tirant,⁶ Nguyen Van Thuong,⁷ and
Torello Lotti⁸

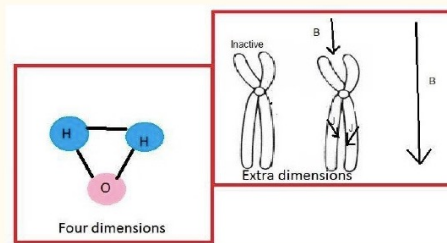


Figure 9

Molecules of water is related to dark DNAs with the gender of female

Inside the Bizarre Publishing Ring That Linked 5G to Coronavirus

VICE.COM

From black holes at the Earth's center to decapitated quails, a group of scientists – some working for a journal from a major publisher – are prolifically publishing pseudoscience.

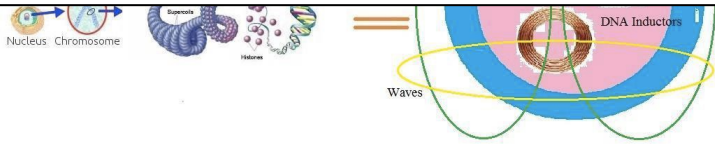


Fig. 4. A DNA within the nucleus acts as the inductor and emits magnetic waves

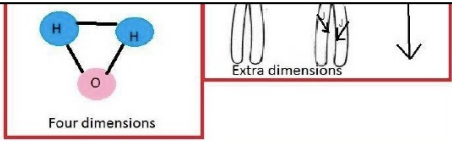
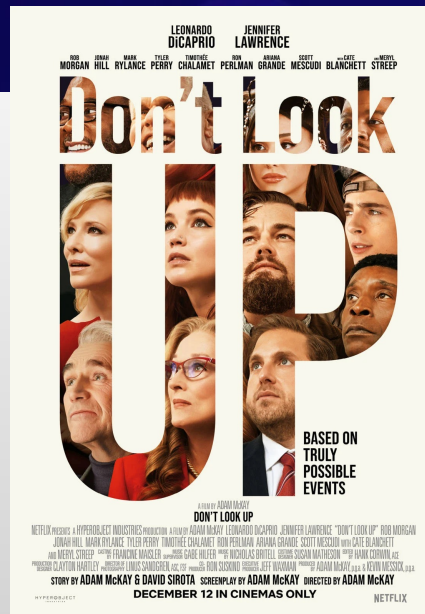
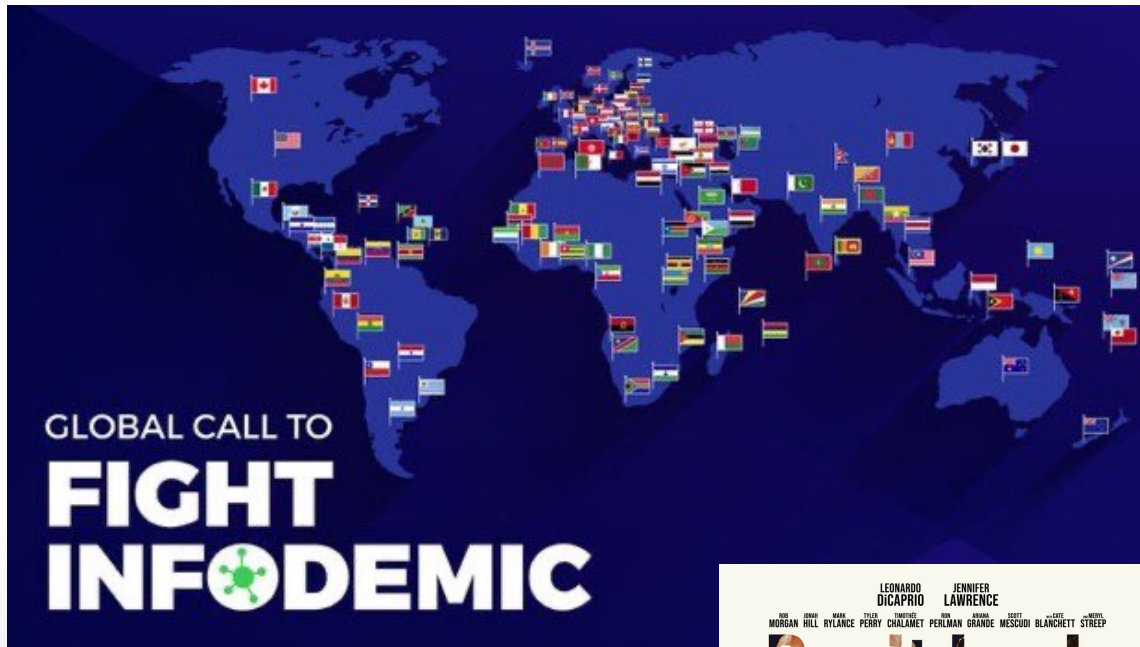


Figure 9
Molecules of water is related to dark DNAs with the gender of female

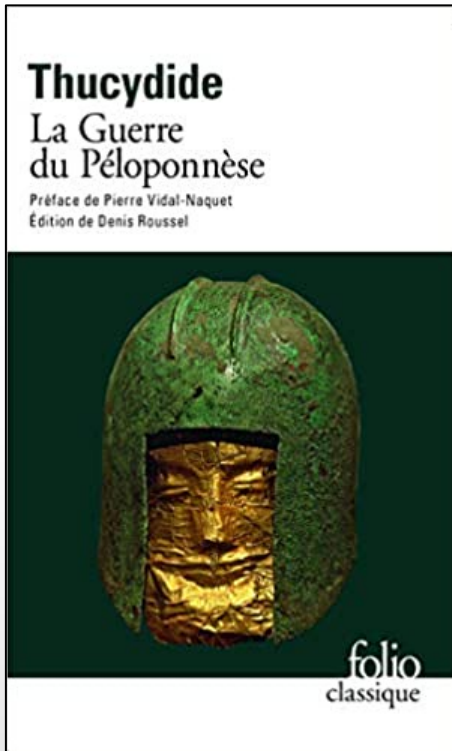
Information, désinformation, surinformation



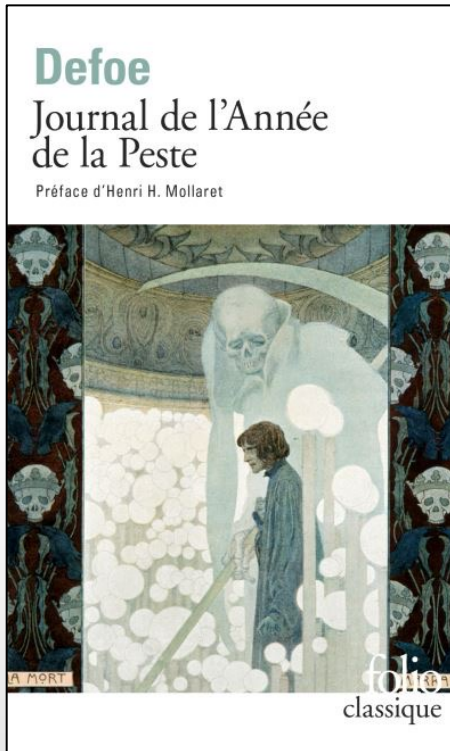
Pourquoi la science ne suffit pas?

- Psychologie de la désinformation pandémique
- Forces contraires: pseudoscience, pseudoexpertise, complotisme
- Solutions?

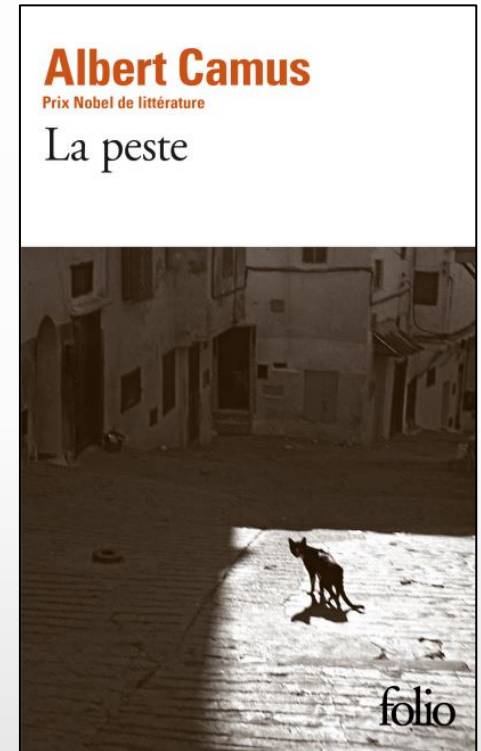
La désinformation accompagne les épidémies et les crises



Athènes, -430-427



Londres, 1665



Oran, ~1940

Paniques, rumeurs, fausses nouvelles, accusations, prophéties, faux remèdes, charlatans, querelles politiciennes, pensée magique...

WILL INGESTING BLEACH PREVENT OR CURE COVID-19?

No! Bleach must never be ingested. If you are consuming it, STOP immediately.



Bleach (sodium hypochlorite) should only be used to disinfect surfaces.

PAHO

BE AWARE. PREPARE. ACT.



Lampe UVC Anti-Coronavirus 38W

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2 TÉLÉCOMMANDES

- 1 +

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Acheter maintenant

EXPÉDITION

PAIEMENT

S.A.V.

GARANTIE



HOMEOPATHY FOR COVID



Boosting Immunity with the Power of Ayurveda

Simple Ayurvedic Procedures

- **Nasal application** - Apply sesame oil / coconut oil or olive in both the nostrils (Nasikavashikara) in morning and evening.
- **Oil pulling therapy** - Take 1 table spoon sesame or coconut oil in mouth. Do not drink, swirl in the mouth for 2 to 3 minutes and spit it off followed by warm water rinse. This can be done once or twice a day.



Garlic is a healthy food that may have some antimicrobial properties.

However, there is no evidence from the current outbreak that eating garlic has protected people from the new coronavirus (2019-nCoV)



Can eating garlic help prevent infection with the new coronavirus (2019-nCoV)?

World Health Organization

COVID-19 and tobacco use

CORONAVIRUS IS ANOTHER GOOD REASON TO QUIT TOBACCO USE

THE EFFECT OF THE CORONAVIRUS CAN BE WORSE FOR PEOPLE WHO USE TOBACCO

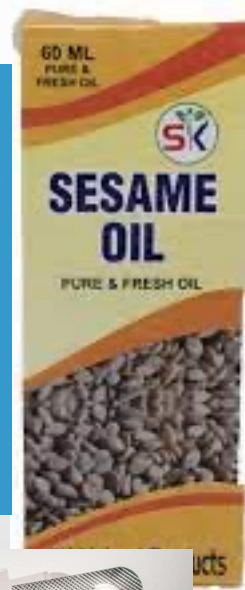


Tobacco use leads to disease and disability and harms nearly every organ of the body, including the lungs.

The coronavirus attacks the lungs - if your lungs are already damaged by tobacco use, the effects of the virus could be worse.

Tobacco affects your immune system, meaning you're less able to fight off infections.

#COVID19 #Coronavirus



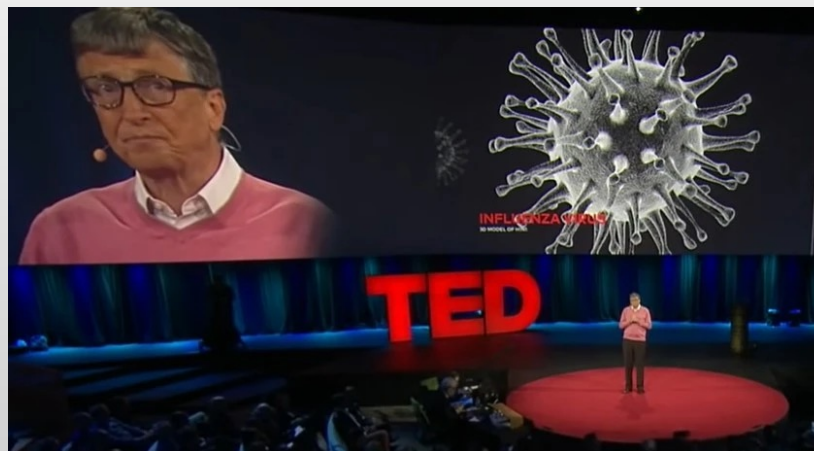
LONDONREAL

PLANDEMIC

INDOCTRINATION

WATCH THE FULL MOVIE FOR FREE

[FreedomPlatform.tv/plandemic](https://freedomplatform.tv/plandemic)





NaomiOreskes
@NaomiOreskes



Francis Collins: "I wish we had more insights from behavioural social science research into how...and why [disinformation] could have gotten so completely widespread." Some of us have been begging scientists for years to pay attention to this. [@RBrulle](#)

nature

Andrew Harnik/AP Photo/Bloomberg/Getty

nature.com

Science misinformation alarms Francis Collins as he leaves top NIH job

**Directeur National
Institutes of Health
(NIH) 2009-2021**

INFLATION DE RECHERCHES!

Moin Syed: Psychology of COVID-19 Preprint Tracker: <https://osf.io/r8pjb/>

Psychology of COVID-19 Preprint Tracker

Files

Wiki

Analytics

Registrations

Filter

Psychology of COVID-19 Preprint Trac...

Google Drive: Meta-Scientific Rese...

Psychology of COVID-19 Preprin...

Storage (United States)

Psychology_of_COVID-19_Preprint

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598	The Acute Impact of the COVID-19 Pandemic on Children's Mental Health in Southwestern Ontario	https://psya...	2020-09-19...		
597	Racial Disparities in COVID-19 Impacts in Michigan, USA	https://psya...	2020-09-19...		
596	Support for Border Security During the COVID-19 Pandemic: Evidence on Levels and Predictors from Eight Western D...	https://psya...	2020-09-19...		
595	Short-term effect of the COVID-19 pandemic on suicidal ideation: A prospective cohort study	https://psya...	2020-09-18...		
594	Human Responses to Covid-19: The Role of Optimism Bias, Perceived Severity, and Anxiety	https://psya...	2020-09-18...		
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591	Positive and negative mental health outcomes and internal resources among the general population in Greece: A natio...	https://psya...	2020-09-17...		
590	Cross-Cultural comparisons of psychosocial distress in the USA, South Korea, France, and Hong Kong during the initia...	https://psya...	2020-09-16...		
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587	Examining Risk and Protective Factors for Psychological Health during the COVID-19 Pandemic	https://psya...	2020-09-14...		
586	Chasing the Curve: Program Description of the Geisinger Primary Care Behavioral Health Virtual First Response to CO...	https://psya...	2020-09-14...		
585	Securing your relationship: Quality of intimate relationships during the COVID-19 pandemic can be predicted by attach...	https://psya...	2020-09-14...		
584	Pathways to Wellbeing are Developmentally and Culturally Specific: Adaptive Processes in the Context of COVID-19	https://psya...	2020-09-13...		
583	The effect of ego-resiliency and COVID-19-related stress on mental health among the Japanese population	https://psya...	2020-09-13...		
582	Anxiety, depressive symptoms, sleep patterns & associated factors among Bangladeshi wage earners during the COVI...	https://psya...	2020-09-12...		
581	The association between financial hardship and mental health difficulties among adult wage earners during the COVID-...	https://psya...	2020-09-12...		
580	Moving beyond DSM5 and ICD11: Acoustic Analysis for Psychological Stress on Daily-Wage Workers in India during C...	https://psya...	2020-09-12...		
579	Prevalence and predictors of the early psychological impact of the COVID-19 pandemic compared with SARS and ME...	https://psya...	2020-09-11...		
578	Immediate psychological responses during the initial period of the COVID-19 pandemic among Bangladeshi medical st...	https://psya...	2020-09-11...		

It's a conspiracy: Covid-19 conspiracies link to psychopathy, Machiavellianism and collective narcissism

Sara Hughes^{*}, Laura Machan

National identification, a social cure for COVID-19? Evidence from 67 countries

Eric Bonetto^{1,2,3} , Sylvain Delouvée⁴, Yara Mahfud⁵ and Jais Adam-Troian⁶

Online Social Endorsement and Covid-19 Vaccine Hesitancy in the United Kingdom

Conspiratorial Thinking During COVID-19: The Roles of Paranoia, Delusion-Proneness, and Intolerance of Uncertainty

Emmett M. Larsen^{*}, Kayla R. Donaldson, Megan Liew and Aprajita Mohanty

Susceptibility to misinformation about COVID-19 around the world

“Quick and dirty”: Intuitive cognitive style predicts trust in Didier Raoult and his hydroxychloroquine-based treatment against COVID-19

Joffrey Fuhrer^{*}

Florian Cova[†]

Claudia R. Schneider^{1,3},
Kerr^{1,3}, Alexandra L. J. Freeman³,
Marthe van der Bles^{1,3,4},
Linden^{1,3}

Looking out for myself: Exploring the relationship between conspiracy mentality, perceived personal risk, and COVID-19 prevention measures

Gaëlle Marinthe^{1,2*} , Genavee Brown³ , Sylvain Delo and Daniel Jolley³ 

Social media skepticism and belief in conspiracy theories about COVID-19: the moderating role of the dark triad

Ashraf Sadat Ahadzadeh¹  • Fon Sim Ong² • Shin Ling Wu³

Pourquoi tant de désinformation?

Review

Irrational Beliefs about COVID-19: A Scoping Review

Federica Maria Magarini¹, Margherita Pinelli¹, Arianna Sinisi¹, Silvia Ferrari^{1,2}, Giovanna Laura De Fazio³
and Gian Maria Galeazzi^{1,2,4,*}



ELSEVIER

Contents lists available at [ScienceDirect](https://www.sciencedirect.com)

Social Science & Medicine

journal homepage: www.elsevier.com/locate/socscimed



Antecedents and consequences of COVID-19 conspiracy beliefs: A systematic review

Valerie van Mulukom^{a,*}, Lotte J. Pummerer^{b,**}, Sinan Alper^c, Hui Bai^d, Vladimíra Čavojová^e,
Jessica Farias^f, Cameron S. Kay^g, Ljiljana B. Lazarevic^h, Emilio J.C. Lobatoⁱ, Gaëlle Marinthe^j,
Irena Pavela Banai^k, Jakub Šrol^e, Iris Žeželj^h

COVID-19 conspiracy theories

What?

- Artificial origin
- Bioweapon
- Flu / Exaggerated
- Hoax
- Medical conspiracy
- Hidden cure
- Microchips
- Scaremongering

How?

- 5G networks
- Hidden truth / information
- Deliberate spread
- Accidental release
- Misinformation
- Using COVID regulations

Who?

- Government(s)
- China
- Pharmaceutical companies
- Powerful people
- USA
- Media
- Scientists
- Bill Gates
- Healthcare authorities
- Companies
- Democrats
- Military
- WHO
- Donald Trump

Why?

- Financial gain
- Population control
- Disrupt economy
- Political control
- Disrupt order
- Restrict liberties
- Make Trump look bad
- Mass surveillance
- Distract/conceal
- Nations battle
- Forced vaccination
- Create new order
- Help environment
- Control people

ANTECEDENTS

Individual differences

Coping with threat & uncertainty

Personality traits

Demographic variables

Beliefs, biases & attitudes

Epistemically suspect beliefs

Thinking styles & cognitive biases

Attitudes towards science

Social factors

Group identities

Trust in authorities

Social media

Belief in COVID-19 conspiracy theories

CONSEQUENCES

Protective behaviours

Safeguarding behaviours

Self-centred behaviours

Misguided behaviours

Health & social consequences

Vaccination intentions

Psychological wellbeing

Negative social consequences

COVID-19 conspiracy theories

What?

- Artificial origin
- Bioweapon

How?

- 5G networks
- Hidden truth /

Who?

- Government(s)
- China
- Pharmaceutical companies
- Influential people
- Scientists
- Media
- Religious authorities
- Politicians
- Rats
- Trump

Why?

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- Restrict liberties
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- Distract/conceal
- Nations battle
- Forced vaccination
- Create new order
- Help environment
- Control people

- Incertitude, manque de contrôle, anxiété
- Narcissisme, machiavélisme, impulsivité
- Âge, genre, niveau social: pas clair
- Autres croyances “non-conventionnelles”
- Pensée intuitive
- Rejet de la science
- Identités partisanes
- Méfiance à l'égard des autorités
- Usage des réseaux sociaux

CONSEQUENCES

Protective behaviours

Safeguarding behaviours

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Misguided behaviours

Health & social consequences

Vaccination intentions

Psychological wellbeing

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Belief in COVID-19 conspiracy theories

The fingerprints of misinformation: how deceptive content differs from reliable sources in terms of cognitive effort and appeal to emotions

Carlos Carrasco-Farré  ¹✉

Humanities & Social Sciences
Communications

- **Différents types de désinformation**
 - **Théories du complot**
 - **Rumeurs**
 - **Fake news**
 - **Hate speech**
 - **Junk science**
 - **Clickbait**
 - **Informations fiables**
- **La désinformation en général est:**
 - **Plus courte**
 - **Plus simple**
 - **Plus négative**
 - **Plus émotionnelle**

Elle doit rester crédible tout en se rendant intéressante et accessible

Forces contraires: pseudoscience et pseudoexpertise

Synthese

DOI 10.1007/s11229-017-1481-1

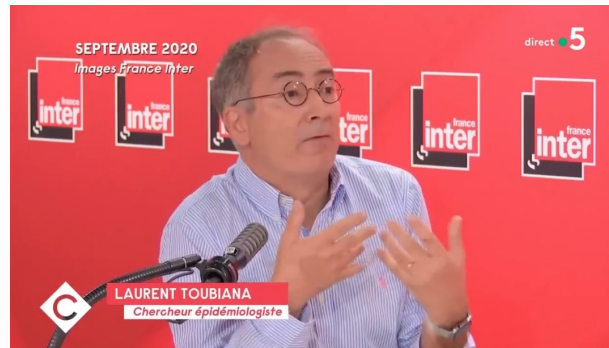
SYSTEMATICITY - THE NATURE OF SCIENCE

**Systematicity is necessary but not sufficient:
on the problem of facsimile science**

Naomi Oreskes^{1,2} 

- Journaux prédateurs
- Fausses conférences
- Peer-review complaisant
- Plagiat et auto-plagiat
- Fraude
- Mauvaises pratiques
- Crise de la réplication
- Influences et conflits d'intérêt
- «Urgence de la situation»

L'inflation des *pseudoexperts*



L'inflation des *pseudoexperts*

BFM 19.33 DIRECT TV.



SEPTEMBRE 2020
Images France Inter



direct 5



Pseudoeexpertise: A Conceptual and Theoretical Analysis

Joffrey Fuhrer¹, Florian Cova¹, Nicolas Gauvrit² and Sebastian Dieguez^{3}*

JEAN-FRANÇOIS TOUSSAINT
PROFESSEUR DE PHYSIOLOGIE, DIRECTEUR DE L'IRMA
COVID-19 : DESACCORDS ENTRE SCIENTIFIQUES



- Mimétisme de l'expertise
- Exploitation de l'expertise
- Imposture
- Opportunisme
- Rôle des médias

SEPTEMBRE 2020



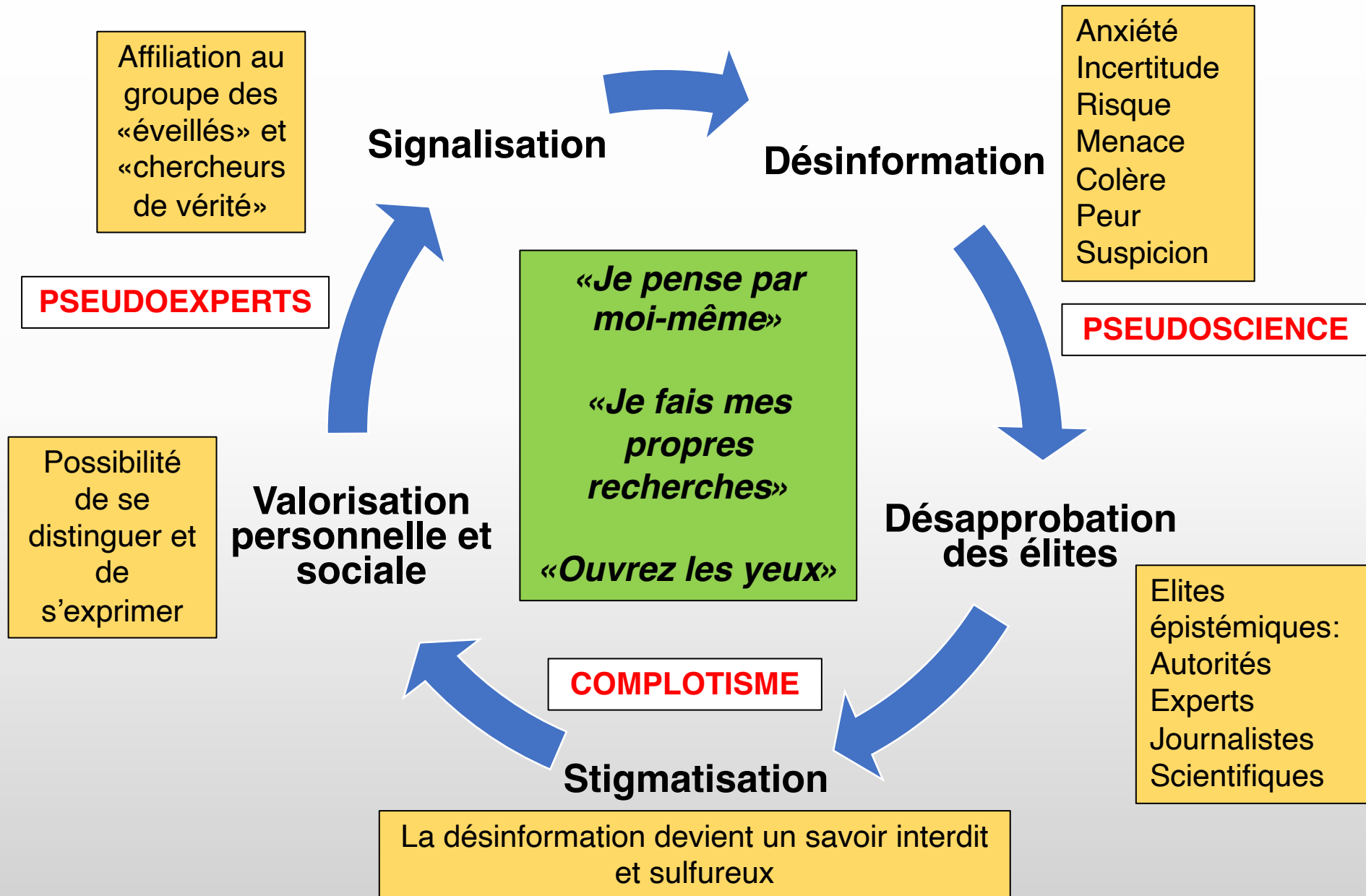
PR DIDIER RAOULT
Directeur de l'IHU Méditerranée Infection



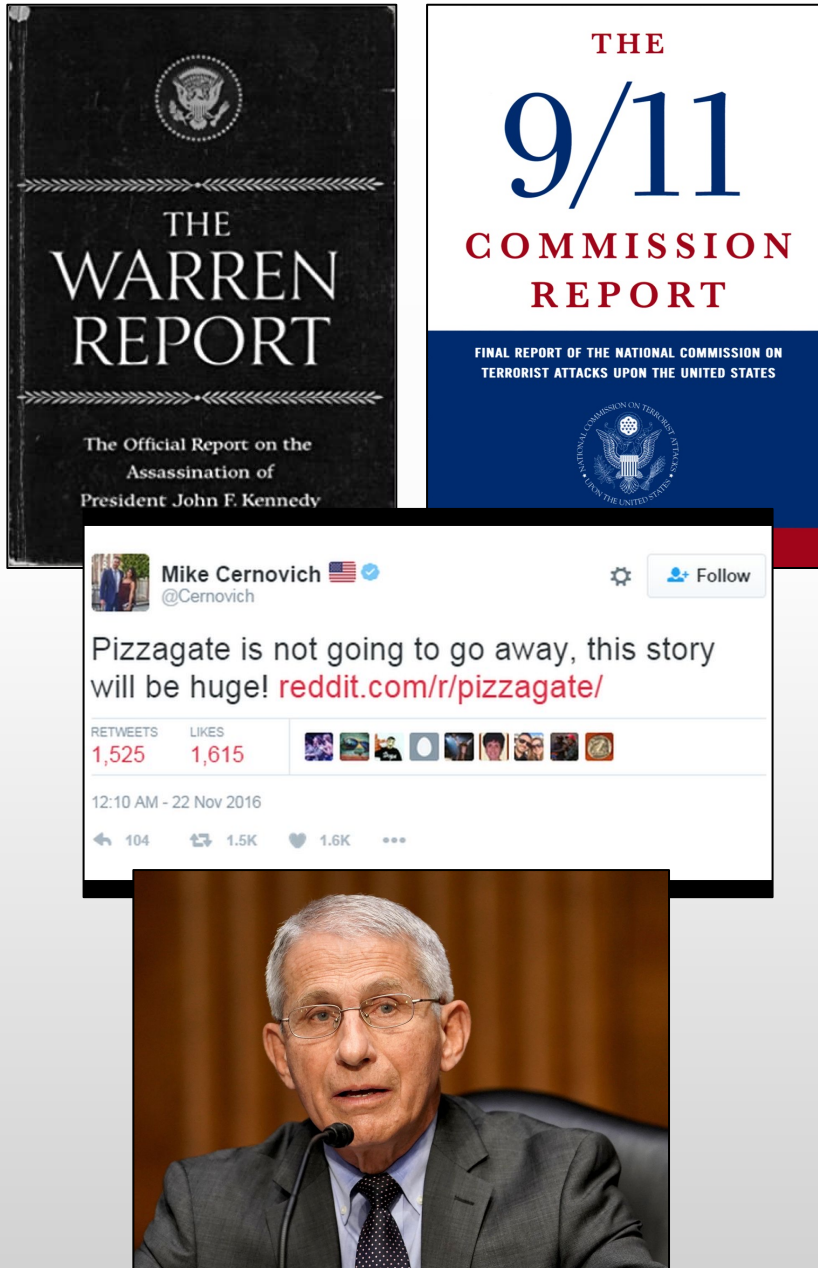
Désinformation “d’en-haut” opportunisme et récupération politique



La désinformation se nourrit des réactions qu'elle suscite



Solutions? Effets paradoxaux de la « transparence »



- L'information « transparente » doit être traitée, triée, interprétée
- Elle est sujette à des exploitations abusives
- Les « fuites » ont un caractère performatif
- Une transparence parfaite ne serait ni utile, ni possible, ni souhaitable
- Elle pourrait aggraver le problème de la désinformation.

Quelques conclusions

- La désinformation est un phénomène opportuniste, adaptatif et parasitique/mimétique
- La seule information scientifique ne suffit pas, et peut même augmenter le problème
- La « crédulité » n'est pas la bonne approche
- Les connaissances médicales ne peuvent pas faire l'impasse sur le comportement humain et les facteurs socio-psychologiques
- Un phénomène complexe demande des approches plurielles, à court et à long terme
- Nous ne sommes manifestement pas prêts pour de nouvelles crises à venir...