

**Study Group AIDS therapy**

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To people affected,

their doctors and carers,

To Media

Zürich, 7th June 2020

### **Is Air Pollution responsible for the severe course of Covid-19?**

Dear Sir/Madam

As revealed in new studies from China, the emergence of severe air pollution, climate warming and related weather phenomena could not be avoided by diminished human activities during the lockdown, so that further measures have to be taken to reduce air pollution.

#### **[Severe air pollution events not avoided by reduced anthropogenic activities](#)**

[\[HTML\] nih.gov](#)

#### **[COVID-19 lockdowns cause global air pollution declines with implications for public health risk](#)**

[\[PDF\] medrxiv.org](#)

#### **[Expected Health Effects of Reduced Air Pollution from COVID-19 Social Distancing](#)**

[\[PDF\] uchicago.edu](#)

#### **[Air pollution, racial disparities and COVID-19 mortality](#)**

[\[PDF\] jacionline.org](#)

#### **[\[HTML\] Air pollution reduction and mortality benefit during the COVID-19 outbreak in China](#)**

[\[HTML\] thelancet.com](#)

#### **[The impact of COVID-19 partial lockdown on the air quality of the city of Rio de Janeiro, Brazil](#)**

[\[HTML\] nih.gov](#)

## **Lockdown caused by COVID-19 pandemic reduces air pollution in cities worldwide**

[PDF] [eartharxiv.org](https://eartharxiv.org)

As has been demonstrated in various tests, particulate matter is together with high emissions of nitric oxide (NO<sub>2</sub>), ozone (O<sub>3</sub>) and carbon dioxide (CO<sub>2</sub>) the central driving agents for degenerative changes in lung tissues and endothelial cells, causing diseases such as diabetes, high blood pressure, thrombosis and chronic lung diseases (COPT) and disorders in various organs.

## **World Trade Center (WTC) dust exposure in mice is associated with inflammation, oxidative stress and epigenetic changes in the lung**

[HTML] [nih.gov](https://nih.gov)

## **[HTML] Emerging role of immunosuppression in diseases induced by micro- and nano-particles: time to revisit the exclusive inflammatory scenario**

[HTML] [frontiersin.org](https://frontiersin.org)

## **Nanoparticles in the lungs of old mice: Pulmonary inflammation and oxidative stress without procoagulant effects**

- [PDF] [kuleuven.be](https://kuleuven.be)

## **Pulmonary inflammation induced by low-dose particulate matter exposure in mice**

[PDF] [physiology.org](https://physiology.org)

## **Exposure to traffic-related air pollution and serum inflammatory cytokines in children**

[PDF] [nih.gov](https://nih.gov)

## **[HTML] Analysis of environmental risk factors for chronic obstructive pulmonary disease exacerbation: A case-crossover study (2004-2013)**

[HTML] [nih.gov](https://nih.gov)

## **Environmentally persistent free radicals: insights on a new class of pollutants**

[HTML] [nih.gov](https://nih.gov)

## **Short-term exposure to ambient air pollution and biomarkers of systemic inflammation: the Framingham Heart Study**

[HTML] [ahajournals.org](https://ahajournals.org) Full View

**[Exposure to fine particulate air pollution causes vascular insulin resistance by inducing pulmonary oxidative stress](#)**

[HTML] [nih.gov](#)

**[Chronic obstructive pulmonary diseases related to outdoor PM<sub>10</sub>, O<sub>3</sub>, SO<sub>2</sub>, and NO<sub>2</sub> in a heavily polluted megacity of Iran](#)**

[PDF] [researchgate.net](#)

**[Evaluation of chronic obstructive pulmonary disease attributed to atmospheric O<sub>3</sub>, NO<sub>2</sub> and SO<sub>2</sub> in Tehran city, from 2005 to 2014](#)**

PDF] [ijhse.ir](#)

Under certain weather conditions they cause, as shown in Northern Italy, severe illness in entire populations.

**[\[HTML\] Association of meteorological factors and air NO<sub>2</sub> and O<sub>3</sub> concentrations with acute exacerbation of elderly chronic obstructive pulmonary disease](#)**

[HTML] [nature.com](#)

**[Assessing nitrogen dioxide \(NO<sub>2</sub>\) levels as a contributing factor to the coronavirus \(COVID-19\) fatality rate](#)**

HTML] [nih.gov](#)

**[The association between air pollution and the incidence of idiopathic pulmonary fibrosis in Northern Italy](#)**

[PDF] [ersjournals.com](#)Free from Publisher

**[Diffusion of COVID-19 Outbreaks: The Interaction between Air Pollution-to-Human and Human-to-Human Transmission Dynamics in Hinterland Regions with Cold ...](#)**

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**[Covid-19 outbreak progression in italian regions: Approaching the peak by the end of march in northern italy and first week of april in southern italy](#)**

[PDF] [mdpi.com](#)

**[The potential role of particulate matter in the spreading of COVID-19 in Northern Italy: first evidence-based research hypotheses](#)**

[PDF] [medrxiv.org](#)

**[Evaluation of short-term mortality attributable to particulate matter pollution in Spain](#)**

[PDF] [toxicologia.org.ar](#)

**[Performance evaluation of a multiscale modelling system applied to particulate matter dispersion in a real traffic hot spot in Madrid \(Spain\)](#)**

[PDF] [ucm.es](#)

**[Changes in air pollution during COVID-19 lockdown in Spain: A multi-city study](#)**

[HTML] [nih.gov](#)

**[Effects of long-term exposure to air pollutants on the spatial spread of COVID-19 in Catalonia, Spain](#)**

[HTML] [nih.gov](#)

**[Exposure to air pollution and COVID-19 mortality in the United States](#)**

[PDF] [medrxiv.org](#)

**[Spread of SARS-CoV-2 through Latin America and the Caribbean region: a look from its economic conditions, climate and air pollution indicators](#)**

[HTML] [nih.gov](#)

**[\[PDF\] Evaluation of the potential relationship between Particulate Matter \(PM\) pollution and COVID-19 infection spread in Italy](#)**

[PDF] [guapo-air.org](#)

**[Can atmospheric pollution be considered a co-factor in extremely high level of SARS-CoV-2 lethality in Northern Italy?](#)**

[HTML] [nih.gov](#)

**[The COVID-19 infection in Italy: a statistical study of an abnormally severe disease](#)**

[PDF] [preprints.org](#)

**[Effects of temperature variation and humidity on the death of COVID-19 in Wuhan, China](#)**

[HTML] [nih.gov](#)

**[PDF\] COVID-19 higher induced mortality in Chinese regions with lower air quality](#)**

[PDF] [medrxiv.org](#)

**[Links between air pollution and COVID-19 in England](#)**

PDF] [medrxiv.org](#)

**[A vulnerability-based approach to human-mobility reduction for countering COVID-19 transmission in London while considering local air quality](#)**

[PDF] [medrxiv.org](#)

**[\[HTML\] Air Pollution and the Novel Covid-19 Disease: a Putative Disease Risk Factor](#)**

[HTML] [nih.gov](#)

**[Climate affects global patterns of COVID-19 early outbreak dynamics](#)**

[PDF] [medrxiv.org](#)

**[Severe air pollution events not avoided by reduced anthropogenic activities during COVID-19 outbreak](#)**

[HTML] [nih.gov](#)

**[Early evidence that COVID-19 government policies reduce urban air pollution](#)**

[PDF] [eartharxiv.org](#)

**[Lockdown caused by COVID-19 pandemic reduces air pollution in cities worldwide](#)**

[PDF] [eartharxiv.org](#)

**[\[HTML\] Effects of pollution, low temperature and influenza syndrome on the excess mortality risk in winter 2016–2017](#)**

[\[HTML\] springer.com](#)

**[Low ambient humidity impairs barrier function and innate resistance against influenza infection](#)**

[\[PDF\] pnas.orgFree from Publisher](#)

**[PDF\] Climate affects global patterns of COVID-19 early outbreak dynamics](#)**

[\[PDF\] medrxiv.org](#)

**[\[HTML\] Ambient particulate air pollution and daily mortality in 652 cities](#)**

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**[Effects of temperature and humidity on the spread of COVID-19: A systematic review.](#)**

[\[PDF\] medrxiv.org](#)

**[The dynamics of Covid-19: weather, demographics and infection timeline](#)**

[PDF\] medrxiv.org](#)

**[Global COVID-19 transmission rate is influenced by precipitation seasonality and the speed of climate temperature warming](#)**

[PDF\] medrxiv.org](#)

A continuously emerging lower or higher air pollution by particulate matter, nitric oxide, ozone and CO<sub>2</sub> damages the cardio-vascular system and causes an elevated mortality in influenza epidemics.

**[\[HTML\] Lung function and systemic inflammation associated with short-term air pollution exposure in chronic obstructive pulmonary disease patients in Beijing, China](#)**

[\[HTML\] biomedcentral.com](#)

**[\[HTML\] Ambient air pollution is associated with airway inflammation in older women: a nested cross-sectional analysis](#)**

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**[HTML] Short-term effects of ambient air pollution on chronic obstructive pulmonary disease admissions in Beijing, China (2013–2017)**

[HTML](#) [nih.gov](#)

**Association of ozone exposure with cardiorespiratory pathophysiologic mechanisms in healthy adults**

[HTML](#) [jamanetwork.com](#)

**Relationship of meteorological and air pollution parameters with pneumonia in elderly patients**

[PDF](#) [hindawi.com](#)

**[PDF] The relationship between air quality, wealth, and COVID-19 diffusion and mortality across countries**

[PDF](#) [sustainability-seeds.org](#)

**Air Pollution Increases Influenza Hospitalizations**

[PDF](#) [medrxiv.org](#)

**[PDF] Effects of Air Pollution and Other Environmental Exposures on Estimates of Severe Influenza Illness, Washington, USA**

[PDF](#) [cdc.gov](#)

**[HTML] The short-term effects of air pollutants on influenza-like illness in Jinan, China**

[HTML](#) [biomedcentral.com](#)

**The impact of ambient fine particles on influenza transmission and the modification effects of temperature in China: a multi-city study**

[HTML](#) [nih.gov](#)

**[HTML] An association between air pollution and daily most frequently visits of eighteen outpatient diseases in an industrial city**

[HTML](#) [nature.com](#)

**Short-term elevation of fine particulate matter air pollution and acute lower respiratory infection**

[PDF](#) [atsjournals.org](#) [Full View](#)

**[Mortality risk and fine particulate air pollution in a large, representative cohort of US adults](#)**

[PDF] [nih.gov](#)

**[Climatic factors and long-term trends of influenza-like illness rates in The Netherlands, 1970–2016](#)**

PDF] [nivel.nl](#)

**[Urban climate modified short-term association of air pollution with pneumonia mortality in Hong Kong](#)**

[PDF] [researchgate.net](#)

**[Association of particulate matter air pollution and hospital visits for respiratory diseases: a time-series study from China](#)**

[PDF] [researchgate.net](#)

**[Air pollution from livestock farms is associated with airway obstruction in neighboring residents](#)**

[PDF] [atsjournals.orgFull View](#)

**[HTML] [Effects of long-range transported air pollution from vegetation fires on daily mortality and hospital admissions in the Helsinki metropolitan area, Finland](#)**

HTML] [sciencedirect.com](#)

**[HTML] [Ambient air pollution and respiratory mortality in Xi'an, China: a time-series analysis](#)**

HTML] [biomedcentral.com](#)

**[HTML] [Air pollution and mortality in a large, representative US cohort: multiple-pollutant analyses, and spatial and temporal decompositions](#)**

HTML] [springer.com](#)

**[HTML] [The impact of air pollution on deaths, disease burden, and life expectancy across the states of India: the Global Burden of Disease Study 2017](#)**

[HTML] [sciencedirect.com](#)

**[Air pollution trends over Indian megacities and their local-to-global implications](#)**

[\[PDF\] researchgate.net](#)

**[Quantifying the influence of agricultural fires in northwest India on urban air pollution in Delhi, India](#)**

[\[PDF\] iop.org](#)

**[Desert Dust, Industrialization, and Agricultural Fires: Health Impacts of Outdoor Air Pollution in Africa](#)**

[\[PDF\] researchgate.net](#)

**[\[PDF\] Association of short-term exposure to fine particulate air pollution and mortality: effect modification by oxidant gases](#)**

[\[PDF\] nature.com](#)

**[\[PDF\] ... of gaseous pollutants' measurement \(NO<sub>2</sub>, SO<sub>2</sub>, NH<sub>3</sub>, HNO<sub>3</sub> and O<sub>3</sub>\) in Abidjan, Côte d'Ivoire: contribution to an overview of gaseous pollution in African ...](#)**

[\[PDF\] semanticscholar.org](#)

**[Short-term variation in air pollution and in average lung function among never-smokers: the Swiss Study on Air Pollution and Lung Diseases in Adults \(SAPALDIA\)](#)**

[\[PDF\] atsjournals.orgFull View](#)

**[Long-Term Exposure to NO<sub>2</sub> and Ozone and Hypertension Incidence in the Black Women's Health Study](#)**

[HTML\] oup.com](#)

**[\[HTML\] Short-term effects of outdoor air pollution on lung function among female non-smokers in China](#)**

[\[HTML\] nature.com](#)

Also thromboses, diabetes, disorder of endothelial cells in blood vessels and cardio-vascular disorders are known effects of air pollution by particulate matter, NO<sub>2</sub>, O<sub>3</sub> and CO<sub>2</sub>. The immune defence in the lungs are co-determined by its bacterial flora.

**[Exposure to particulate air pollution and risk of deep vein thrombosis](#)**

[PDF\] jamanetwork.com](#)

**[\[HTML\] Ambient air pollution and thrombosis](#)**

[\[HTML\] biomedcentral.com](#)

**[\[HTML\] Deep vein thrombosis related to environment](#)**

[\[HTML\] spandidos-publications.com](#)

**[Ambient air pollution is associated with HDL \(high-density lipoprotein\) dysfunction in healthy adults](#)**

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**[\[HTML\] Cardiovascular effects of air pollution](#)**

[\[HTML\] sciencedirect.com](#)

**[Air pollution and arterial hypertension. A new risk factor is in the air](#)**

[\[PDF\] researchgate.net](#)

**[Exposure to fine particulate air pollution is associated with endothelial injury and systemic inflammation](#)**

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**[\[HTML\] Particulate matter air pollution: effects on the cardiovascular system](#)**

[\[HTML\] frontiersin.org](#)

**[Novel evidence for a greater burden of ambient air pollution on cardiovascular disease](#)**

[PDF\] haematologica.orgFree from Publisher](#)

**[Impact of particulate air pollution on cardiovascular health](#)**

[\[PDF\] researchgate.net](#)

**[\[HTML\] Ambient particulate air pollution \(PM<sub>2.5</sub>\) is associated with the ratio of type 2 diabetes to obesity](#)**

[HTML\] nature.com](#)

**[\[HTML\] Associations of air pollution, obesity and cardiometabolic health in young adults: The Meta-AIR study](#)**

[\[HTML\] sciencedirect.com](#)

**[HTML] [Air pollution and markers of coagulation, inflammation and endothelial function: Associations and epigene-environment interactions in an elderly cohort](#)**

[\[HTML\] nih.gov](#)

**Effects of gaseous and solid constituents of air pollution on endothelial function**

[\[HTML\] oup.com](#)

**[HTML] [Ozone exposure is associated with acute changes in inflammation, fibrinolysis, and endothelial cell function in coronary artery disease patients](#)**

[\[HTML\] biomedcentral.com](#)

**Diesel exhaust particles and endothelial cells dysfunction: An update**

[\[PDF\] cput.ac.za](#)

**Is COVID-19 an Endothelial Disease? Clinical and Basic Evidence**

[\[PDF\] preprints.org](#)

**HTML] [Endothelial cell infection and endotheliitis in COVID-19](#)**

[\[HTML\] thelancet.com](#)

**[PDF] [Microvascular COVID-19 lung vessels obstructive thromboinflammatory syndrome \(MicroCLOTS\): an atypical acute respiratory distress syndrome working ...](#)**

[\[PDF\] nsicu.ru](#)

**Cardiovascular complications in patients with COVID-19: consequences of viral toxicities and host immune response**

[HTML\] nih.gov](#)

**[HTML] [The respiratory tract microbiome and lung inflammation: a two-way street](#)**

[\[HTML\] nature.com](#)

**Microbes, metabolites, and the gut–lung axis**

[\[PDF\] monash.edu](#)

## **[Microbiome effects on immunity, health and disease in the lung](#)**

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As various tests show, particulate matter can trigger an immune response either via inflammatory mechanisms as well as directly by the production of inflammasomes, which may inhibit the activity of mitochondria, which make from reduced oxygen and food ingredients the energy-carrier molecule ATP, used in all organs and for various defence mechanisms. Beside the mechanism of autophagy, the building of exosomes serves for the bundling of altered cellular parts, which are finally handed over to distant cells for its digestion and emitted outside of the body via fumes.

## **[\[HTML\] ATP release and purinergic signaling: a common pathway for particle-mediated inflammasome activation](#)**

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## **[\[HTML\] Reactive oxygen species at the crossroads of inflammasome and inflammation](#)**

[HTML] [frontiersin.org](#)

## **[Autophagy and inflammation in chronic respiratory disease](#)**

[HTML] [tandfonline.comFull View](#)

## **[Mitochondria as a target of environmental toxicants](#)**

[HTML] [oup.com](#)

## **[Oxidative stress-induced autophagy: role in pulmonary toxicity](#)**

[HTML] [nih.gov](#)

## **[\[HTML\] Exosomes and autophagy: coordinated mechanisms for the maintenance of cellular fitness](#)**

[HTML] [frontiersin.org](#)

## **[\[HTML\] Exosomes in viral disease](#)**

[HTML] [springer.com](#)

## **[Neutrophilic oxidative stress mediates organic dust-induced pulmonary inflammation and airway hyperresponsiveness](#)**

[PDF] [physiology.org](#)

## **[Age-dependent susceptibility to pulmonary fibrosis is associated with NLRP3 inflammasome activation](#)**

[PDF] [atsjournals.org](https://atsjournals.org) Full View

## **[The role of mitochondria and oxidative/antioxidative imbalance in pathobiology of chronic obstructive pulmonary disease](#)**

[PDF] [hindawi.com](https://hindawi.com)

All above mentioned disorders are attributed now to the Covid-10 disease to the infection by the virus SARS Cov-1, that due to its exceptional pathogenic capabilities should be responsible for causing disorders in various organs. As has been known for many years that Corona viruses are occurring in various wild and farm animals, some of which develop diseases whereas others remain silent hosts able to transmit the virus to other animals. This applies cats, dogs, poultry, cows and pigs which can be infested by corona viruses similar to those occurring in bats. Even though the transmission from wild animals to farm animals and humans is not yet fully clarified, infection of cats and pigs by infected persons is considered to be possible, who without showing symptoms may be silent hosts for corona viruses. The contagion of slaughterhouse employees could be ascribed to the presence of these viruses in the slaughtered animals, although it is not absolutely clear, whether the PCR-tests used distinguish between newly and earlier occurring corona viruses. As far as the transmission of SARS Cov-2 viruses is concerned it is not clear whether it can be prevented for a longer time by respiratory masks, social distancing and contact tracing.

Even if by means of vaccines an immunity against SARS Cov-2 viruses could be achieved, and the severe course of the disease could be shortened under intensive treatment, the niches in the organism built under the condition of severe air pollution would remain offering space to a similar virus to develop. When the air pollution after the exit from the lockdown reaches the previous values a second wave of the epidemic is imaginable at any time particularly in persons with pre-existing damages, even as the seasonal flue runs out without a detectable herd immunity.

## **[COVID-19: animals, veterinary and zoonotic links](#)**

[PDF] [tandfonline.com](https://tandfonline.com) Full View

## **[Sero-prevalence, cross-species infection and serological determinants of prevalence of Bovine Coronavirus in Cattle, Sheep and Goats in Ghana](#)**

[PDF] [researchgate.net](https://researchgate.net)

## **[Molecular-Based Cross-Species Evaluation of Bovine Coronavirus Infection in Cattle, Sheep and Goats in Ghana.](#)**

[PDF] [researchsquare.com](https://researchsquare.com)

## **[What is the evidence that bovine coronavirus is a biologically significant respiratory pathogen in cattle?](#)**

[\[HTML\] europepmc.org](#)

**[\[HTML\] Preventing bat-born viral outbreaks in future using ecological interventions](#)**

[\[HTML\] nih.gov](#)

**[\[HTML\] What settings have been linked to SARS-CoV-2 transmission clusters?](#)**

[\[HTML\] wellcomeopenresearch.org](#)

**[\[PDF\] Employee presenteeism and occupational acquisition of COVID-19](#)**

[\[PDF\] mja.com.au](#)

**[The dynamics of humoral immune responses following SARS-CoV-2 infection and the potential for reinfection](#)**

[\[HTML\] microbiologyresearch.org](#)

**[Human coronavirus reinfection dynamics: lessons for SARS-CoV-2](#)**

[\[PDF\] medrxiv.org](#)

**[Emergence of genomic diversity and recurrent mutations in SARS-CoV-2](#)**

[\[HTML\] nih.gov](#)

The solution to the Covid-19 crisis is expected to come from a vaccine, that should soon become available on the market with 44 research teams worldwide seeking to develop it. It should such as other newly developed vaccines (such as the one against measles) induce a broad immunity against SARS Cov-2 and similar agents and to achieve this goal also intervene in the human genome. The fact that influenza vaccines, which are administrated every year to the elderly lose, in time, their effectiveness and contain aluminum containing adjuvants, which can induce lasting auto-immune reactions, is not an issue. Until that happens antiviral substances should shorten the severe course of the disease and the time spent in intensive care. Accordingly, Gilead Sciences could administrate the antiviral nucleoside-analogue substance, Remdesivir, originally developed against the Ebola virus, where it proved ineffective in Covid-19 patients and got authorization by the US FDA without any proof of effectivity and evidence of side-effects. Just like at the time of AZT, which was allowed due to its known toxic effects only for animal trials, the tests to approve effectivity and evidence of side-effects could be delivered later. After the obvious sham of the tests on AZT we look forward to these tests. After few changes in the text of the package insert this substance was administrated to HIV-test positives world-wide for 10 years until in new combi-therapies the dose of AZT was reduced, leading to an immediate decline in the mortality of people treated. Antioxidants such as Azetylzysteine, which proved highly effective in the treatment of lung diseases, are not administrated systematically and evaluated (as it has also not been done in AIDS-patients).

**[de Rosa, Herzenberg et. al. N-acetylcysteine replenishes glutathione in HIV infection](#)**

[https://web.archive.org/web/20101105175609/http://aliveandwellsf.org/articles/derosa\\_NAC\\_GSH\\_2000.pdf](https://web.archive.org/web/20101105175609/http://aliveandwellsf.org/articles/derosa_NAC_GSH_2000.pdf)

**[\[HTML\] Safety and efficacy of N-acetyl-cysteine for prophylaxis of ventilator-associated pneumonia: a randomized, double blind, placebo-controlled clinical trial](#)**

[\[HTML\] nih.gov](#)

**[Cysteine/Glutathione Deficiency: A Significant and Treatable Corollary of Disease](#)**

[\[PDF\] stanford.edu](#)

**[\[HTML\] Cytokine storm intervention in the early stages of COVID-19 pneumonia](#)**

[\[HTML\] sciencedirect.com](#)

**[COVID-19: Pathogenesis, cytokine storm and therapeutic potential of interferons](#)**

[\[HTML\] nih.gov](#)

**[\[HTML\] Evidence that vitamin D supplementation could reduce risk of influenza and COVID-19 infections and deaths](#)**

[\[HTML\] mdpi.com](#)

**[Evidences of herbal medicine-derived natural products effects in inflammatory lung diseases](#)**

[\[PDF\] hindawi.com](#)

**[\[HTML\] Nutrition and Infection with COVID-19](#)**

[HTML\] ssu.ac.ir](#)

**[Modulation of Mitochondria During Viral Infections](#)**

[HTML\] intechopen.com](#)

**[The use of anti-inflammatory drugs in the treatment of people with severe coronavirus disease 2019 \(COVID-19\): The experience of clinical immunologists from China](#)**

[\[HTML\] nih.gov](#)

**[\[HTML\] Would immunization be the same without cross-reactivity?](#)**

[HTML\] sciencedirect.com](#)

**[Human CD8+ T cell cross-reactivity across influenza A, B and C viruses](#)**

[\[PDF\] cf.ac.uk](#)

**[\[HTML\] Extensive T cell cross-reactivity between diverse seasonal influenza strains in the ferret model](#)**

[\[HTML\] nature.com](#)

**[\[HTML\] ... infection with influenza virus but not vaccination leaves a long-term immunological imprint that intensifies the protective efficacy of antigenically drifted vaccine ...](#)**

[\[HTML\] sciencedirect.com](#)

**[Vaccine-induced autoimmunity: the role of molecular mimicry and immune crossreaction](#)**

[\[HTML\] nih.gov](#)

**[Myalgia and chronic fatigue syndrome following immunization: Macrophagic myofasciitis and animal studies support linkage to aluminum adjuvant persistency and ...](#)**

[\[PDF\] researchgate.net](#)

**FDA Documents Show Fraud In AZT Trials**

<https://paganpressbooks.com/jpl/FRAUD.PDF>

By means of respirator masks particulate matter and flu viruses such as SARS Cov-2 should be intercepted. They are considered to be adequate means in the case of air-pollution incidents.

**[\[HTML\] Assessment of a respiratory face mask for capturing air pollutants and pathogens including human influenza and rhinoviruses](#)**

[\[HTML\] nih.gov](#)

**[\[HTML\] The effects of facemasks on airway inflammation and endothelial dysfunction in healthy young adults: a double-blind, randomized, controlled crossover study](#)**

[HTML\] springer.com](#)

## **[HTML] [Facemask use for community protection from air pollution disasters: An ethical overview and framework to guide agency decision making](#)**

[\[HTML\] sciencedirect.com](#)

Targeted measures to reduce particulate matter and air pollution are now hardly an issue in Europe and the USA. China, which has been struggling for many years with smog and air pollution, has taken action and is now examining its effects.

## **[HTML] [Interventions to reduce ambient particulate matter air pollution and their effect on health](#)**

[\[PDF\] cochranelibrary.comFull View](#)

## **[HTML] [Saturday driving restrictions fail to improve air quality in Mexico City](#)**

[\[HTML\] nature.com](#)

## **[HTML] [Health impact of China's Air Pollution Prevention and Control Action Plan: an analysis of national air quality monitoring and mortality data](#)**

[\[HTML\] sciencedirect.com](#)

Regarding the high levels of particulate matter, CO<sub>2</sub>, O<sub>3</sub> and NO<sub>2</sub> which are detected all over the world by a close network of measuring stations, and the damaging effects of them to the lungs, the cardio-vascular system and epithelial cells, virologists such as Christian Drosten, who advises the German government, focus entirely on the SARS Cov-2 virus without dealing more closely with its host that is subject to environmental conditions which accordingly endangers individual groups of the population more than others. In his frequent TV interview blog posts, that are followed by many people, he tells us an infinite story on the copying and the cloning of the virus and its entering into cells without being able to explain how these viral sequences, measured by methods of molecular genetics, cause the disease conditions occurring in Covid-19 patients. Such as in the case of the so-called HI-retrovirus, against which no vaccine has been found until today, many theories and tests could be developed on such bases, leading to treatments with lasting adverse effects.

Instead of taking measures to protect vulnerable groups such as the over 75s, who have suffered damage from air pollution for many years, they talked of an even risk for the entire population and launched out the standstill for the economy and society for 8 weeks, whilst the relationship between air pollution and the severe course of Covid-19 was faded out totally by the media and political parties even as the congruence between the severe course of Covid-19, that was revealed already in March in studies from China, Italy, the USA and London. With the picture of a life-threatening droplet infection, that could only be contained by wearing respirator masks, social distancing, contact tracing and quarantine for members of defined risk groups, daily numbers of new SARS Cov-2 infections were reported without naming the number of people doing a severe course of the infections, implying that anyone having a positive PCR-test had to face a severe course of the infection; a policy of fear with disastrous consequences especially for people in developing countries, who don't have the space for social distancing, no access to clean water, health care or to a secure income to buy food, but are also exposed to ongoing severe air pollution.

In this way the pandemic emergency, declared at the end of the World Economic Forum in Davos by the WHO, which since many years is under the influence of the Bill and Melinda Gates Foundation, who finance large vaccination programs, directed to launching of the lockdown, which beside causing big losses to the economic development, caused immense damage to the health of millions of people anywhere, who under its conditions could no longer acquire on a daily basis the money they need for nutrition. The heavy losses by this policy, which have severe negative effects on large groups of the population, are now faded out by announcing huge state economic recovery programs whereby it is not clear, who should be finally able to pay for them, if states no longer have the means to buy machines abroad or to realize infrastructure projects. The high unemployment, which was intercepted by the short-term unemployment benefits, should continue to spread whilst tax revenue to finance government tasks decline.

That now, with the announced exit from the lockdown, which can easily be explained by the falling number of detected cases of a «seasonal flu» which was life threatening only for *individual groups*, the old values of air pollution could be reached in short time leading to the aggravation of pre-existing organ damages in many people, it not an issue in this matter. In the return to a «normal everyday life» suddenly everything is possible again, such as billions of contributions to a national airline that wants to fly to destinations everywhere in the world, without diminishing its fuel consumption or loosening of emission standards of new cars due to financial losses in the corona crisis or tax discounts on purchase of such cars.

The makers of the lockdown, who by means of contact bans and distance bids have terrified thousands who could not hug anymore friends and unmarried partners, whilst grandparents could not see their children and grandchildren now represent themselves as great humanists, who only wanted to reduce risks, find now, that also a football match would be imaginable, as long as all spectators could be traced by of contact apps, whilst still one person in a group, doing a positive result in testing brings everyone from the group into a more than two weeks quarantine with according social and economic consequences. The contribution of 668 million Euro by the European Union to the Gavi-Foundation (subsidiary of the Gates Foundation), who wants to continue with its vaccination programs all over the world, causing severe adverse effects in populations, without reducing malnutrition, which is the main cause of immune deficiency to endemic diseases world-wide, shows how they want to go on.

At the end of his work as delegate to the Swiss federal office of Public Health for contagious diseases, MD Daniel Koch explained in the Swiss TV-news, that considering the number of cases, the crèches should not have to be closed at the lockdown, but that the closing was an efficient means of showing everyone the seriousness of the situation. Falling by the wayside is after this policy of epidemic the belief, that the political elites in power would be able to bring about changes in terms of air pollution and climate warming within a useful time. That they now designate the lockdown to have been without alternative, referring on the case numbers in Sweden, which did not enforce a lockdown, can no longer really be taken seriously.

Study Group AIDS-therapy

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