

Study Group AIDS-therapy c/o Felix de Fries Juliastr. 8 8032 Zürich Tel. +41 44 401 34 24

To people affected, their doctors and carers

To institutions and political representatives

To Media

Zürich, 28th September 2020

ref. Particulate matter blocks the defense reactions in epithelial tissues and thus enables the spread of RNA viruses in the lungs, the cardiovascular system and in internal organs

Dear Sir or Madam

As new tests show, particulate matter of different sizes and compositions in indoor and outdoor spaces block via genetic factors the defense reactions against viral pathogens such as SARS Cov-1, influenza and thus allow its strong reproduction with the consequence of tissue damage and thus increase in the severe course of disease and mortality.

[Particulate matter \(PM10\) enhances RNA virus infection through modulation of innate immune responses](#)

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

[Imperative role of particulate matter in innate immunity during RNA virus infection](#)

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

By activating antigen-presenting cells they trigger the increased formation of inflammatory cells, which results in systemic inflammation and tissue injury in epithelial tissues.

[Urban particulate matter-activated human dendritic cells induce the expansion of potent inflammatory Th1, Th2, and Th17 effector cells](#)

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

[Influence of airborne transmission of SARS-CoV-2 on COVID-19 pandemic. A review](#)

[HTML\] nih.gov](#)

[Mutagenic and genotoxic potential of native air borne particulate matter from industrial area of Rourkela city, Odisha, India](#)

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

[Biological effects of airborne fine particulate matter \(PM2.5\) exposure on pulmonary immune system](#)

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

[Exposure to particulate matter 2.5 \(PM2.5\) induced macrophage-dependent inflammation, characterized by increased Th1/Th17 cytokine secretion and cytotoxicity](#)

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

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

[\[HTML\] ahajournals.orgFull View](#)

[\[HTML\] Control of local immunity by airway epithelial cells](#)

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

[Epithelial cells: liaisons of immunity](#)

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

[Epithelial cells as a transmitter of signals from commensal bacteria and host immune cells](#)

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

As the composition of particulate matter from car exhausts and the burning of fossil and solid fuels, road surfaces, production processes, plant-materials including bacteria and fungi can greatly vary depending on their origin, its effects can be very different.

[Unique pulmonary immunotoxicological effects of urban PM are not recapitulated solely by carbon black, diesel exhaust or coal fly ash](#)

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

[HTML\] Mechanisms of ultrafine particle-induced respiratory health effects](#)

[HTML\] nature.comFull View](#)

[HTML] [The impact of bacteria-derived ultrafine dust particles on pulmonary diseases](#)

[\[HTML\] nature.comFull View](#)

Ultrafine particulate matter can trigger lung diseases via hyper-inflammatory reaction in phagocytes after contact to bacterial envelope proteins.

[HTML] [Air particulate matter SRM 1648a primes macrophages to hyperinflammatory response after LPS stimulation](#)

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

As various tests show, this then can trigger stress reactions in the cardio-vascular system and changes in lymphoid cells of the lungs and to the development of obstructive pulmonary diseases such as Asthma.

[HTML] [Effect of particulate matter air pollution on cardiovascular oxidative stress pathways](#)

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

[HTML] [Exposure to ambient particulate matter induced COPD in a rat model and a description of the underlying mechanism](#)

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

[HTML] [Effects of air pollution on lung innate lymphoid cells: review of in vitro and in vivo experimental studies](#)

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

Particulate matter from Diesel exhaust e.g. of Euro 4 and 5 diesel engines, which remain for a long time in the air and easily get indoors, where they can accumulate, trigger inflammatory messenger substances that lead to autophagy and increased cell death in epithelial tissues of the bronchi.

[HTML] [Diesel exhaust particles induce autophagy and citrullination in Normal Human Bronchial Epithelial cells](#)

[\[HTML\] nature.comFull View](#)

Fine dust particles can get directly into the brain via nasopharyngeal mucous membranes, where they affect the cells' power stations, the mitochondria, which are present in large numbers there, or enter the bloodstream via the deep vessels of the lungs, so that the mitochondria in the cardiovascular system and other organs are impaired.

[HTML] [Impairment of mitochondrial function by particulate matter: Implications for the brain](#)

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

In such ways particulate matter can impair the quality of life and reduce life expectancy in individual phases of life such as pregnancy, childhood, youth, adulthood and old age.

[\[HTML\] Particulate matter exposure shapes DNA methylation through the lifespan](#)

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

As various studies from Milan and the surrounding area and from China show, viruses as well as bacteria and fungi can attach to fine dust particles and spread over long distances, eventually collecting indoors, where they can cause infections.

[\[HTML\] Assessing the relationship between surface levels of PM2.5 and PM10 particulate matter impact on Covid-19 in Milan, Italy](#)

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

[SARS-Cov-2RNA Found on Particulate Matter of Bergamo in Northern Italy: First Evidence](#)

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

[Influence of airborne transmission of SARS-CoV-2 on COVID-19 pandemic. A review](#)

[HTML\] nih.gov](#)

[Bacterial community structure in atmospheric particulate matters of different sizes during the haze days in Xi'an, China](#)

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

[A review on airborne microorganisms in particulate matters: composition, characteristics and influence factors](#)

[\[PDF\] hnu.edu.cn](#)

[\[HTML\] Wind-mediated spread of low-pathogenic avian influenza virus into the environment during outbreaks at commercial poultry farms](#)

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

[\[HTML\] Effect of exposure to 2.5 µm indoor particulate matter on adult lung function in Jakarta](#)

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

[Air pollution and climate change effects on allergies in the anthropocene: abundance, interaction, and modification of allergens and adjuvants](#)

[HTML] [acs.org](#)

[Climate and health impacts of particulate matter from residential combustion sources in developing countries](#)

[PDF] [mountainscholar.org](#)

[Robust relationship between air quality and infant mortality in Africa](#)

[PDF] [stanford.edu](#)

[Particulate matter pollution in African cities](#)

[PDF] [columbia.edu](#)

[Effects of Components of PM_{2.5} Collected in Japan on the Respiratory and Immune Systems](#)

[HTML] [sagepub.com](#)Full View

[\[PDF\] Micronutrient-rich dietary intake is associated with a reduction in the effects of particulate matter on blood pressure among electronic waste recyclers at ...](#)

[PDF] [researchsquare.com](#)

Thereby particulate matter can also impair the resistance to the mycobacterium tuberculosis

[Urban air pollution particulates suppress human T-cell responses to mycobacterium tuberculosis](#)

[HTML] [mdpi.com](#)

[Ambient air pollutants are associated with newly diagnosed tuberculosis: a time-series study in Chengdu, China](#)

[PDF] [researchgate.net](#)

[\[HTML\] Season and size of urban particulate matter differentially affect cytotoxicity and human immune responses to *Mycobacterium tuberculosis*](#)

[HTML] [plos.org](#)

[\[HTML\] Environmental and health impacts of air pollution: A review](#)

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

Despite these research results, which have been known since long time, researchers like the German virologist Christian Drosten or the head of the FDA, Anthony Fauci, seconded by the vaccine and pharmaceutical lobby, represented by the Bill and Melinda Gates Association, paint the picture of a pandemic to be caused solely by a new RNA virus that can only be contained by means of a new vaccine.

The role that particulate matter plays around the world in the spread and the reproduction of this virus in the human organism was effectively faded out by the mass psychologically effective measures to contain its spread by wearing masks, contact tracing and quarantine. Since the number of infections has little to do with the effective defense of the population to it and with the serious course of the disease, the data on hospitalizations were deliberately withheld for months in order to maintain the image of a droplet infection that is potentially fatal for everyone and the ignorance on the role of previously existing illnesses on the course of the disease such as high blood pressure, cardio-vascular diseases, obstructive pulmonary diseases, diabetes mellitus, all of which are caused by high levels of particulate matter, NO₂, CO₂ and O₃.

Compliant media people consistently suppressed all statements that pointed to the role of fine dust in Covid-19 and thus specifically prevented the discussion on measures to reduce and contain fine dust through measures in the area of passenger- and goods traffic, heating and energy generation and production processes in order not to endanger the exit from the lockdown, which brought us back the same values of particulate matter in the air as it was before the lockdown in very short time.

The fact that groups of people who have already been harmed by fine dust emissions, so that they are threatened with a severe course of illness in the event of an infection, are as little an issue for medical doctors, who undoubtedly adopted the model of the deadly droplet infection, as are preventive immune system Supportive therapies for members of risk groups.

In advance obedience, even before an effective and safe vaccine is available, statal health authorities have ordered vaccine doses for millions of people that they want to give first to nursing staff as part of a state vaccination requirement. Meanwhile, representatives of vaccine medicine explain to us that vaccines can have serious side effects at the beginning and can only offer effective protection to individual groups of the population.

The fact that we are threatened by new epidemics from viruses and other germs given the persistence of the world-wide fine dust pollution, which can be increased at any time by conflagrations is obviously not an issue for them.

Such as at the time of HIV-AIDS, when doctors who had treated members of risk groups with antibiotics which triggered the formation of multi-resistant germs, campaigned for the delivery of seriously damaging substances to all test positives, a coalition of the willing formed from doctors, civil servants, media people and politicians wants now to enforce their program of world improvement regardless of fundamental human rights suppressing facts or present it in an inaccurate manner, such as Anthony Fauci, who is now campaigning for the RNA vaccine from MODERNA did at that time with his deliberately fuzzy model of AIDS pathogenesis, which left many causes and possible effects open with a long latency period.

Felix de Fries