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<https://www.immunity.org.uk/articles/felix-de-fries/>

To those affected, their medical doctors and care takers

To Institutions

To Media

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Mitochondriopathy by the virus from the laboratory and by the vaccines made for it

Dear Sir/Madam

As a recent analysis shows, the narrative that by means of mRNA-vaccine-boosters new variants of SARS-Cov-2 could be blocked when they occur, is wrong. It became clear that mRNA-vaccine boosters only enforce the building of antibodies to the virus-spikes they were originally made for, but not against later occurring variants such as Omikron etc.

[\[PDF\] Persistent immune imprinting occurs after vaccination with the COVID-19 XBB. 1.5 mRNA booster in humans](#)

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

After Frameshifting and Spikopathy this is a third finding, that calls the use of mRNA-vaccines into question.

The numerous lasting adverse effects of mRNA-vaccination in various organs, which as was stated in the beginnings by its producers, should disappear after short time, have now become the subject of a fast-growing number of tests. Carriers of chronic diseases and inflammation, meant to be protected in the first order by mRNA-vaccines, show now severe symptoms and disorders in long Covid. In the research for treatment for these disorders, the promoters of mRNA-vaccines don't want to distinguish between those vaccinated from those not being vaccinated.

As recent documents show, government institutions such as the CDC in the USA have not registered and processed reports from those affected and their doctors about side effects from vaccines, so their effective number is not known by now, which allows these institutions to speak of a very small numbers of adverse effects.

[HTML] [COVID-19 vaccines and adverse events of special interest: A multinational Global Vaccine Data Network \(GVDN\) cohort study of 99 million vaccinated ...](#)

[HTML] [sciencedirect.com](#)

[HTML] [Current evidence in SARS-CoV-2 mRNA vaccines and post-vaccination adverse reports: knowns and unknowns](#)

[HTML] [mdpi.com](#)

[HTML] [Assessing the impact of mRNA vaccination in chronic inflammatory murine model](#)

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

[A Host of Notable COVID-19 Vaccine Adverse Events, Backed by Evidence | The Epoch Times](#)

Focussed research now shows the damaging effects of mRNA-vaccines on the cellular level.

[Decoding COVID-19 mRNA Vaccine Immunometabolism in Central Nervous System: human brain normal glial and glioma cells by Raman imaging](#)

[PDF] [biorxiv.org](#)

[Effect of COVID-19 mRNA Vaccine on Human Lung Carcinoma Cells *In Vitro* by Means of Raman Spectroscopy and Imaging](#)

[HTML] [acs.orgFull View](#)

[HTML] [Risk of carditis among adolescents after extending the interdose intervals of BNT162b2](#)

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

[Carditis after COVID-19 vaccination with a messenger RNA vaccine and an inactivated virus vaccine: a case-control study](#)

[HTML](#)] acpjournals.org

[Effect of Vaccination on Platelet Mitochondrial Bioenergy Function of Patients with Post-Acute COVID-19](#)

[PDF](#)] mdpi.com

[COVID-19 mRNA vaccines as hypothetical epigenetic players: Results from an in silico analysis, considerations and perspectives](#)

[PDF](#)] fdik.org

[Worse than the disease? Reviewing some possible unintended consequences of the mRNA vaccines against COVID-19](#)

[PDF](#)] ijvtpr.com

[HTML](#)] [Effects of SARS-CoV-2 mRNA vaccines on platelet polyphosphate levels and inflammation: A pilot study](#)

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

[Potential health risks of mRNA-based vaccine therapy: a hypothesis](#)

[HTML](#)] nih.gov

[Evaluation of Stroke Risk Following COVID-19 mRNA Bivalent Vaccines Among US Adults Aged \$\geq\$ 65 Years](#)

[PDF](#)] medrxiv.org

[HTML](#)] [Safety Signal Generation for Sudden Sensorineural Hearing Loss Following Messenger RNA COVID-19 Vaccination: Postmarketing Surveillance Using the ...](#)

[HTML](#)] jmir.org

[HTML](#)] [Herpes zoster related hospitalization after inactivated \(CoronaVac\) and mRNA \(BNT162b2\) SARS-CoV-2 vaccination: a self-controlled case series and ...](#)

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

A commentary from Australia shows what has happened to

medicine and medical ethics in the age of COVID-19 vaccination programs.

[HTML\] Gene-based COVID-19 vaccines: Australian perspectives in a corporate and global context](#)

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

As it has been demonstrated in various documents on the origin of SARS-Cov-2 , that we referred on, it is quite clear that this new super Corona-Virus, occurring after an accident in the Wuhan Institute of Virology is the product of a long series of laboratory experiments and proceedings carried out by Peter Daszak and his colleagues from the USA and a group of researchers from the Wuhan Institute of Virology.

<https://www.immunity.org.uk/wp-content/uploads/2024/03/Peter-Daszaks-Research-Plan.pdf>

The research project by Peter Daszak & Co, which records the individual steps of the research in Wuhan in detail, such as gain of function experiments or the use of the large collection of corona viruses from various bat species that the Chinese scientists Shi Zhengli had collected over decades, and information about the experiments and manipulations that should be carried out, but not about their final effect on the cells and the immune system.

The latter apparently only became apparent after its release, which was described as a laboratory accident. It is hardly credible that this research project served to ward off a potentially new super Corona virus that could have posed a threat to US soldiers in Southeast Asia, bigger than earlier local outbreaks of infections from Corona viruses coming from bats or other wild animals.

The discussion about the origin of the new virus has led to the use of defined methods to distinguish between viruses occurring due to zoonosis from animal origin and those occurring due to targeted work in laboratories.

[A systematic review of risk analysis tools for differentiating unnatural from natural epidemics](#)

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

As it was demonstrated by numerous tests, SARS-Cov-2 causes a

continuous disruption of the mitochondria in cells, thereby damaging the antiviral defence in various organs, and a lasting decline in cellular energy production (by OXPHOS) leading to immune deficiencies, fatigue and organ failure.

[HTML] [Mitochondrial oxidative stress, mitochondrial ROS storms in long COVID pathogenesis](#)

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

[HTML] [Distinguishing features of Long COVID identified through immune profiling](#)

[HTML] [nature.com](https://www.nature.com)

[HTML] [Neurological implications of COVID-19: role of redox imbalance and mitochondrial dysfunction](#)

[HTML] [springer.com](https://www.springer.com)

[HTML] [Possible pathogenesis and prevention of long COVID: SARS-CoV-2-induced mitochondrial disorder](#)

[HTML] [mdpi.com](https://www.mdpi.com)

[HTML] [SARS-CoV-2 mitochondriopathy in COVID-19 pneumonia exacerbates hypoxemia](#)

[HTML] [sciencedirect.com](https://www.sciencedirect.com)

[HTML] [Host mitochondria: more than an organelle in SARS-CoV-2 infection](#)

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

[HTML] [Muscle abnormalities worsen after post-exertional malaise in long COVID](#)

[HTML] [nature.com](https://www.nature.com)

[Long-Term Autoimmune Inflammatory Rheumatic Outcomes of COVID-19: A Binational Cohort Study](#)

[PDF] [acpjournals.org](https://www.acpjournals.org)

[HTML] [Blood–brain barrier disruption and sustained systemic inflammation in individuals with long COVID-associated cognitive impairment](#)

[HTML] [nature.com](https://www.nature.com)

[HTML] [SARS-COV-2 viroporins activate the NLRP3-inflammasome by the mitochondrial permeability transition pore](#)

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

[HTML] [Possible Pathogenesis and Prevention of Long COVID: SARS-CoV-2-Induced Mitochondrial Disorder](#)

[HTML] [mdpi.com](https://www.mdpi.com)

[PDF] [SARS-CoV-2 ORF3c impairs mitochondrial respiratory metabolism, oxidative stress, and autophagic flux](#)

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

[HTML] [... Brain Microvascular Endothelial Cells Exposure to SARS-CoV-2 Leads to Inflammatory Activation through NF- \$\kappa\$ B Non-Canonical Pathway and Mitochondrial ...](#)

[HTML] [mdpi.com](https://www.mdpi.com)

[The SARS-CoV-2 Spike protein induces long-term transcriptional perturbations of mitochondrial metabolic genes, causes cardiac fibrosis, and reduces myocardial ...](#)

[PDF] [sciencedirect.com](https://www.sciencedirect.com)

[HTML] [The SARS-CoV-2 protein ORF3c is a mitochondrial modulator of innate immunity](#)

[HTML] [sciencedirect.com](https://www.sciencedirect.com)

[HTML] [SARS-CoV-2 infection causes periodontal fibrotic pathogenesis through deregulating mitochondrial beta-oxidation](#)

[HTML] [nature.com](https://www.nature.com) Full View

[HTML] [SARS-CoV-2 Nsp8 induces mitophagy by damaging mitochondria](#)

[HTML] [sciencedirect.com](https://www.sciencedirect.com)

[HTML] [The molecular mechanism of cardiac injury in SARS-CoV-2 infection: Focus on mitochondrial dysfunction](#)

[HTML] [sciencedirect.com](https://www.sciencedirect.com)

[Severe acute respiratory syndrome coronaviruses contributing to mitochondrial dysfunction: Implications for post-COVID complications](#)

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

[\[HTML\] Prolonged indoleamine 2, 3-dioxygenase-2 activity and associated cellular stress in post-acute sequelae of SARS-CoV-2 infection](#)

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

[\[HTML\] A comprehensive SARS-CoV-2 and COVID-19 review, Part 2: host extracellular to systemic effects of SARS-CoV-2 infection](#)

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

[Inhibition of the mitochondrial pyruvate carrier simultaneously mitigates hyperinflammation and hyperglycemia in COVID-19](#)

[PDF\] science.org](#)

[\[HTML\] SARS-CoV-2 spike protein induces IL-18-mediated cardiopulmonary inflammation via reduced mitophagy](#)

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

[SARS-CoV-2 infection dysregulates host iron \(Fe\)-redox homeostasis \(Fe-RH\): Role of FE-redox regulators, ferroptosis inhibitors, anticoagulants, and iron-chelators in ...](#)

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

[SARS-CoV-2 infection causes fibrotic pathogenesis through deregulating mitochondrial beta-oxidation](#)

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

[The Effects of SARS-CoV-2 ORF7b on Mitochondrial Metabolism](#)

[\[PDF\] ualberta.ca](#)

[\[HTML\] Metabolic dysregulation impairs lymphocyte function during severe SARS-CoV-2 infection](#)

[\[HTML\] Evidence of SARS-CoV-2 infection in postmortem lung, kidney, and liver samples, revealing cellular targets involved in COVID-19 pathogenesis](#)

[HTML\] springer.com](#)

[Transcriptomic profiling of cardiac tissues from SARS-CoV-2 patients identifies DNA damage](#)

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

[HTML] [Ectopic expression of SARS-CoV-2 S and ORF-9B proteins alters metabolic profiles and impairs contractile function in cardiomyocytes](#)

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

[HTML] [The role of cell death in SARS-CoV-2 infection](#)

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

[HTML] [SARS-COV-2 viroporins activate the NLRP3-inflammasome by the mitochondrial permeability transition pore](#)

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

[HTML] [Possible Pathogenesis and Prevention of Long COVID: SARS-CoV-2-Induced Mitochondrial Disorder](#)

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

[PDF] [SARS-CoV-2 ORF3c impairs mitochondrial respiratory metabolism, oxidative stress, and autophagic flux](#)

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[HTML] [... Brain Microvascular Endothelial Cells Exposure to SARS-CoV-2 Leads to Inflammatory Activation through NF- \$\kappa\$ B Non-Canonical Pathway and Mitochondrial ...](#)

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[The SARS-CoV-2 Spike protein induces long-term transcriptional perturbations of mitochondrial metabolic genes, causes cardiac fibrosis, and reduces myocardial ...](#)

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[HTML] [The SARS-CoV-2 protein ORF3c is a mitochondrial modulator of innate immunity](#)

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

[HTML] [SARS-CoV-2 infection causes periodontal fibrotic pathogenesis through deregulating mitochondrial beta-oxidation](#)

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[HTML] [SARS-CoV-2 Nsp8 induces mitophagy by damaging mitochondria](#)

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[HTML] [The molecular mechanism of cardiac injury in SARS-CoV-2 infection: Focus on mitochondrial dysfunction](#)

[HTML] [sciencedirect.com](#)

[Severe acute respiratory syndrome coronaviruses contributing to mitochondrial dysfunction: Implications for post-COVID complications](#)

[HTML] [nih.gov](#)

[HTML] [Prolonged indoleamine 2, 3-dioxygenase-2 activity and associated cellular stress in post-acute sequelae of SARS-CoV-2 infection](#)

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[HTML] [A comprehensive SARS-CoV-2 and COVID-19 review, Part 2: host extracellular to systemic effects of SARS-CoV-2 infection](#)

[HTML] [nature.com](#)

[Inhibition of the mitochondrial pyruvate carrier simultaneously mitigates hyperinflammation and hyperglycemia in COVID-19](#)

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[HTML] [SARS-CoV-2 spike protein induces IL-18-mediated cardiopulmonary inflammation via reduced mitophagy](#)

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[SARS-CoV-2 infection dysregulates host iron \(Fe\)-redox homeostasis \(Fe-RH\): Role of FE-redox regulators, ferroptosis inhibitors, anticoagulants, and iron-chelators in ...](#)

[PDF] [missioncovid.com](#)

[SARS-CoV-2 infection causes fibrotic pathogenesis through deregulating mitochondrial beta-oxidation](#)

[PDF] [researchsquare.com](#)

[HTML] [Targeted down regulation of core mitochondrial genes during SARS-CoV-2 infection](#)

[HTML] [nih.gov](#)

[HTML] [SARS-CoV-2 shedding and evolution in patients who were immunocompromised during the omicron period: a multicentre, prospective analysis](#)

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

Role of mitochondria in viral infections

[PDF] [mdpi.com](#)

Antiviral substances such as Remdesivir originally created for the anti-retroviral treatment of AIDS, who were declared to be effective to shorten hospitalisation in Covid-patients and registered for use in Switzerland finally showed no such effects, so that the WHO had to take back the recommendation for its use due to lacking evidence and data.

After the postulation of the HIV-retrovirus as the cause of the Acquired Human Immune Deficiency Syndrome (AIDS) in 1985 by Jean Claude Cherman, Luc Montagnier, Françoise Barré Sinoussi and Robert Gallo in 1995, certain scientist such as Peter Duesberg, Heinrich Kremer and Eleni Papadopoulos asked questions on the real causes of the severe course of the more than 30 endemic diseases such as Tuberculosis, Malaria Hepatitis and Herpes, all of which would be seen as AIDS-defining diseases if their carriers would show a positive result in HIV-testing. Dr. Kremer saw a main cause for its severe course in the uncontrolled use of intracellular active antibiotics, which damage the mitochondria and its DNA, thereby leading to an antibiotics-crisis in the USA in the early 1980ies, when many infections showed resistance to various antibiotics.

The treatment of mitochondriopathies against immune deficiency, wasting and cancer became therefore a main topic in his book "The Silent Revolution in Cancer- and AIDS-Medicine", published in English in 2008.

An effective treatment of mitochondriopathies caused by SARS-Cov-2, antiviral drugs and mRNA-vaccines which is nowadays necessary to treat fatigue, immune deficiencies and organ failure in Long Covid and Post Covid can be learned from his book published in 2008:

http://www.ummafrapp.de/skandal/heinrich/kremer_the_lifesaving_knowledge_on_healing.pdf

http://ummafrapp.de/skandal/heinrich/kremer_the_concept_of_cellsymbiosis_therapy.pdf

http://www.ummafrapp.de/krebs/Kremer/The_Secret_of_Cancer.pdf

His understanding allows a targeted treatment that can be controlled by laboratory measurements. It is supported by recent articles on the treatment of Long Covid.

[HTML] [Strategies for the Management of Spike Protein-Related Pathology](#)

[HTML] [mdpi.com](https://www.mdpi.com)

[Mitochondria in the pulmonary vasculature in health and disease: oxygen-sensing, metabolism, and dynamics](#)

[PDF] [strath.ac.uk](https://www.strath.ac.uk)

[Mitochondrial biology in airway pathogenesis and the role of NRF2](#)

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

[HTML] [Mitochondriopathies as a clue to systemic disorders—analytical tools and mitigating measures in context of predictive, preventive, and personalized \(3P\) ...](#)

[HTML] [mdpi.com](https://www.mdpi.com)

[HTML] [SARS-CoV-2/COVID-19 and neuromuscular disorders: An overview of the DGN \(German Neurological Society\) Commission on Motor Neuron and ...](#)

[HTML] [springer.com](https://www.springer.com)

[HTML] [Distinguishing features of Long COVID identified through immune](#)

[HTML] [nature.com](https://www.nature.com)

[HTML] [Sirtuin 3 inhibits airway epithelial mitochondrial oxidative stress in cigarette smoke-induced COPD](#)

[HTML] [hindawi.com](https://www.hindawi.com)

We shall now see, what the scientists and medical doctors, who

speaking now of a remarkable progress in the understanding and treatment of long-covid and post-covid can learn from the earlier and recent work on mitochondriopathies and its treatment, and if effective treatments become available for those affected by these conditions in a short time.

Study Group AIDS-Therapy

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