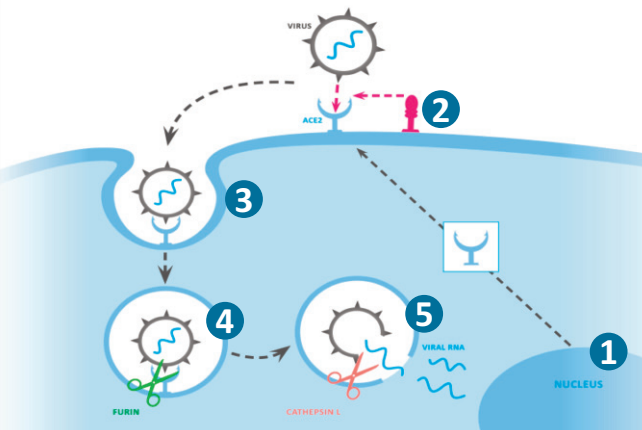


Help Fight the Corona-Pandemic from Your Garden

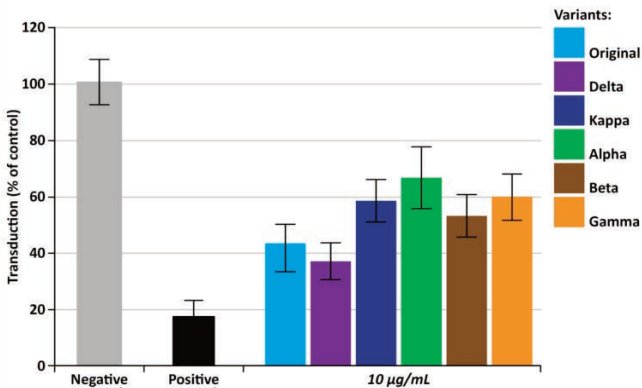
The Dr. Rath Research Institute is an independent non-profit research institute located in San Jose, California. It is one of the global leaders in the field of micronutrient research and preventive natural health. Over the past two years, the search for science-based natural approaches to control the COVID-19 pandemic has been a research focus. Following are some of the major findings:

Science-based micronutrient combinations can control all key mechanisms of coronavirus infection



Micronutrients can inhibit all major mechanisms of COVID-19 infections simultaneously: 1. Inhibition of viral 'doorway' (ACE2 receptor). 2. Inhibition of virus binding to these receptors. 3. Inhibition of enzymes required for viral entry into body cells. 4. Inhibition of enzymes required for viral processing inside body cells. 5. Inhibition of viral multiplication and spread. *Source: Publication and presentation (link below)*

Micronutrients can inhibit cellular entry of SARS-CoV-2 virions and its mutations



Micronutrients can significantly inhibit the cellular entry of the original coronavirus (light blue) and its viral mutations Alpha (green), Beta (brown), Gamma (orange), Delta (violet) and Kappa (dark blue). Binding of the Delta variant, for example, could be inhibited by more than 60%. *Source: Publication and presentation (link below)*

Specific micronutrient compositions significantly decrease ACE2 receptors, the viral 'entry doors' to the human body used by all coronavirus variants, including Omicron



Scientifically researched combinations of micronutrients inhibit the production the cellular entry doors for coronavirus infections, the ACE2 receptor. **Left:** A 'vaccine-only'-based strategy may require the development of new vaccines to induce specific antibody production for every new mutation of the coronavirus. **Right:** Micronutrients (green diamonds) can significantly down-regulate the production/expression of the ACE2 receptors essential for all mutations of COVID-19, including the latest variant, Omicron. *Source: Publication (link below)*

LIMITATIONS OF VACCINE STRATEGIES

The advent of the COVID-19 pandemic triggered a global race for effective vaccines against the newly emerged coronavirus (SARS-CoV2). Yet, it soon became clear, that the high mutation rate of this virus poses a major challenge for the development of effective and safe vaccines – and ultimately for the control of the pandemic.

Simultaneously fighting a multitude of coronavirus mutations with currently available vaccines requiring short-term booster campaigns, became a medical and economical challenge. For Africa and the more than 150 developing nations of the world, the 'vaccine-only' strategy, propagated by Western pharmaceutical export countries, signify a 'dead end' already for economic reasons.

Common sense dictates that a globally effective strategy to contain and eventually end the Covid-19 pandemic requires an effective and save public health strategy that is affordable for all nations and can be readily and sustainably implemented by billions of people around the world. **The world needs entirely new approaches towards ending the pandemic on a world-wide scale.**

AN ENTIRELY NEW APPROACH

From the very onset research at the Dr. Rath Institute did not focus on developing vaccines against the original coronavirus or one of its mutations. We took a fundamentally different approach based on the following scientific analysis:

1. All coronaviruses use the same molecular 'doorway' (ACE2 receptor) to enter the cells of the lung and other organs to infect the human body (see graphic).
2. Any therapy that significantly down-regulates the production/expression of these ACE2 receptors in our body must lead to a significant protection against COVID-19 infections.
3. Since all mutations of the coronavirus use this very same 'doorway', such an approach would also signify a major step towards effective prevention of all future mutations of the coronavirus – a precondition to end the COVID-19 pandemic.
4. Completely blocking these 'doors', e.g. with a vaccine/antibody strategy directed against the ACE2 receptors, could lead to severe health problems – since a minimum level of these receptors are essential for health.
5. Thus, understanding how these 'doorway' molecules can be down-regulated to a mini-

mum is a key step to develop effective public health strategies that can protect infections with current coronaviruses – as well as future, yet unknown, mutations.



EFFECTIVE MICRONUTRIENTS

Our research identified combinations of vitamin C combined with curcumin, resveratrol and other plant-derived micronutrients to meet all the above criteria. They are not only able to significantly lower the production of the 'doorway' molecules by up to 90%. These bio-active natural molecules were able to inhibit all essential mechanisms of coronavirus infections (see graph), including the inhibition of viral binding, viral cell entry, viral multiplication as well as infectious spread. Moreover, these micronutrient combinations were able to significantly inhibit viral binding to human cells not only by the original coronavirus but also by the Alpha-, Beta-, Gamma-, Delta-, Kappa- and Omicron variants (see graph).

Most importantly, micronutrients are known to improve the function of the immune system in general, including the biological removal (phagocytosis) of viruses and other infective microorganisms. During the 20th century, several Nobel prizes have been awarded for the discovery of benefits of micronutrients in strengthening the immune system.

COVID-19 – A HUMAN-SPECIFIC PANDEMIC

Largely unknown to the people of the world is the fact that COVID-19 is a human-specific pandemic. Animals can get infected with coronaviruses but do not fall sick in pandemic proportions. The major genetic difference between humans and the animal world is, of course, the inability of humans to produce vitamin C in their own bodies. Thus, an optimum intake of vitamins and other micronutrients from fresh fruits or supplements is an effective and safe way for anyone to help protect themselves against the coronavirus, as well as other infections.

Dr. Matthias Rath has been a close colleague and friend of the late Nobel Prize winner Linus Pauling. Dr. Pauling is considered one of the most influential scientists of the 20th century and has made groundbreaking scientific contributions in immunology, protein structure, genetic diseases, vitamin research and other scientific fields.



Dr. Rath and his research team have continued this pioneering work in the field of science-based natural health, focussing on the health benefits of micronutrients in the prevention of cardiovascular disease, cancer and infectious diseases.

Born in Germany, Dr. Rath also sees his responsibility to expose the role of the German pharmaceutical corporations as an economically driving force behind World War I and World War II. The Dr. Rath Foundation broke decades of global silence about these crimes against humanity by publishing online the official records of the Nuremberg War Crimes Tribunal against the chemical/pharmaceutical cartel IG Farben (see link below).

This historical facts should be kept in mind, when faced with proposals by the German-led European Union (EU) to export patented vaccines to millions of people across Africa. The EU's refusal to lift patent protections on Covid vaccines identifies this allegedly humanitarian effort as a strategy to cement economic dependency and as a blunt tool of pharmaceutical colonialism.

Matthias Rath

THE MOVEMENT OF LIFE LIBERATING HUMAN HEALTH IN AFRICA



In light of these scientific facts, the people of Africa and anywhere in the world can actively participate in the liberation of their countries from the threat of Covid and other pandemics – as well as from avoidable economic dependencies.

The Dr. Rath Foundation supports a global initiative, the 'Movement of Life' with the goal to transfer knowledge about the health benefits of garden plants across Africa and the developing world. Schools and communities in many African countries are already participating and more than a hundred thousand lives have already been affected.

We encourage people, schools and governments across Africa to familiarize themselves with this global initiative bringing science based, effective, natural and sustainable health to the world.



More information: www.movement-of-life.org/gallery/

This public health information provides the scientific basis for an effective, safe and affordable way for the people of Africa – and the world – to actively participate in ending the current pandemic and improve the health of millions of people.

Our research institute offers its know-how to the governments of Africa and the world – free of charge!