

Combined Therapy: Interferones, Digestive Enzymes, Immune Boosters

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The talk describes a novel *ansatz* for cancer treatment, based on the combined action of natural interferones, digestive enzymes used in Asian medicine, and generic immune boosters. The idea is to combine the cell-growth-inhibitor properties of natural interferones (e.g., withaferin{A}) with generic immune boosters (e.g., high doses of vitamin C on a level exceeding RDA by a factor of at least six, and other ingredients). As already observed by physicians in the 1800s, a “natural” boosting of the immune system due to *inuenza* infections often is able to stimulate an increased immune response against cancer cells which are otherwise effectively “hiding” from the immune system. Similar observations had been made by Imhotep, the physician treating Pharaoh Djoser, when he deliberately infected the Pharaoh’s tumor using a pultice, following an incision, about 2600BC. The third ingredient, the digestive enzymes, serve to “*accelerate the convergence*” of the therapy, by stimulating fast removal of the killed cancer cells from the human body. One enzyme of particular effectiveness is *serratiopeptidase*, which is used by the Chinese silk worm in order to dispose of its cocoon with a time frame of about 15 minutes. The enzyme is routinely used with good effect in Asian medicine. The application of the therapy is recorded for a case study; results have been discussed in [U. D. Jentschura, J. Cancer Therapy 9, 156 (2018)]. The therapy *ansatz* could supplement established approaches based on surgery and chemotherapy, and be useful in the context of cancer prevention.

Biography:

Ulrich D. Jentschura has been working in theoretical physics since 1996. Since then, Ulrich has been active in fields as diverse as quantum electrodynamics, quantum field theory, heavy-ion physics, theoretical astrophysics and the physics of the solid state. He has published research articles in Physical Review A,B,C,D, and E, which encompass many different subfields of physics. Recently, and somewhat involuntarily, Ulrich's research interests have branched out into medicine, where he performed a case study on a tumor that plagued his thyroid. Ulrich is working as a (full) professor of physics at Missouri University of Science and Technology in Rolla, Missouri, USA, and holds habilitation degrees from the Universities of Dresden and Heidelberg.