



MRNA – HYPE OR HOPE

by Larissa Klinker



SYNOPSIS

Over 150 different mRNA-based therapies and vaccines are currently being developed around the world. Is mRNA technology the new game-changer in medicine – or is it just hype?

For many years, mRNA technology seemed unsuitable as a therapeutic approach. But today, it is expected that in the future mRNA will be used to treat a wide range of diseases – including cancer, HIV, malaria, cardiovascular and autoimmune diseases. But how does it work exactly? mRNA vaccines transport the blueprint of a viral protein into cells which then begin to produce the foreign biomolecule. The immune system ramps up its defences against the virus, even though it only knows a small, harmless part of the pathogen. What sounds simple on paper is almost as complex as a landing on Mars in a living organism. Scientists started investigating mRNA a good three decades ago with the aim of developing individual therapies to treat cancer. Today, clinical studies are looking at how heart muscle regenerates...

CAST AND CREW

DIRECTOR Larissa Klinker

2022

49 min

FORMAL CATEGORIES

Current Affairs, Science

ORIGINAL LANGUAGES

German, English

PREMIERE

Germany (2022)

WORLD SALES

[NEW DOCS](#)

Dasselstr. 75-77

50674 Köln

Germany

sales@newdocs.de

<http://www.newdocs.de>

LINKS / REFERENCE

PRODUCTION

doc.station GmbH

Medienproduktion

CEO Jasmin Gravenhorst

info@docstation.de

<https://www.docstation.de>