

PROGRAMMED FOR GROWTH

mRNA technologies are revolutionizing medicine. Which diseases are they aimed at? How quickly are the new therapies coming along? And how do the innovative active ingredients enter the body? A numerical overview

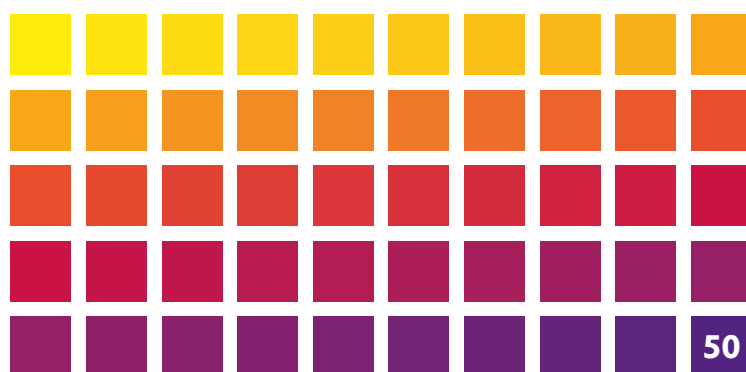
INFOGRAPHIC **MAXIMILIAN NERTINGER**

Beyond COVID-19

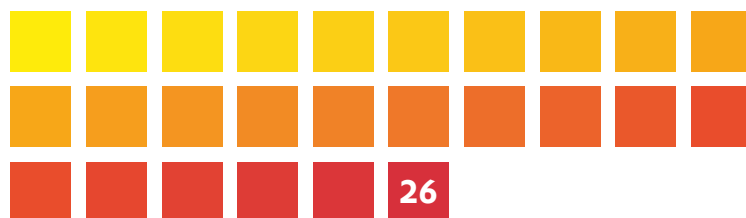
Areas of application of mRNA therapeutics and vaccines¹ in clinical development, in percent

Source: Roots Analysis, as of January 2023

Infectious diseases



Oncological disorders



Genetic disorders



Pulmonary disorders



Autoimmune disorders



Other disorders



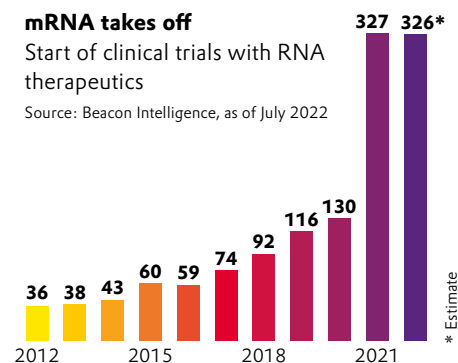
¹ Therapeutics for which the status information is available

² Including intradermal, subcutaneous, and external

mRNA takes off

Start of clinical trials with RNA therapeutics

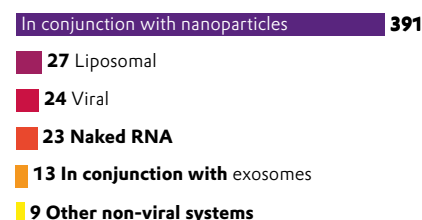
Source: Beacon Intelligence, as of July 2022



Nanoparticles in the lead

The most important transport systems for mRNA active ingredients by number of product developments

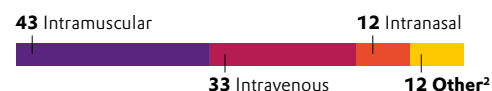
Source: Beacon Intelligence, as of January 2023



Under the skin

Routes of administration of mRNA therapeutics and vaccines¹, in percent

Source: Roots Analysis, as of January 2023



Sector pioneers

The most important developers of mRNA therapeutics by number of product developments

Source: Beacon Intelligence, as of July 2022

