

Vaccines of the future

Kim Schmidt Date: 24/05/2018



















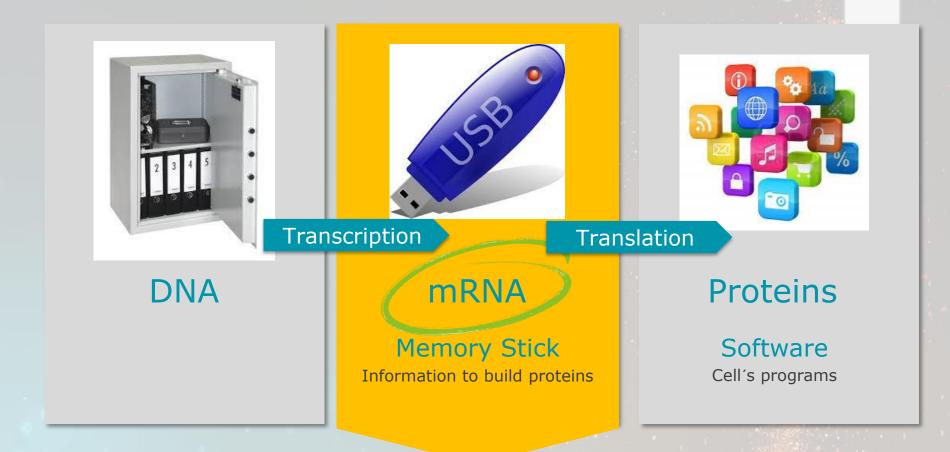
"Unlocking Tomorrow's Cures"





INTRODUCTION

RNA as memory stick

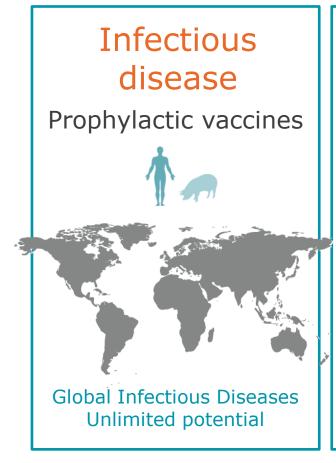


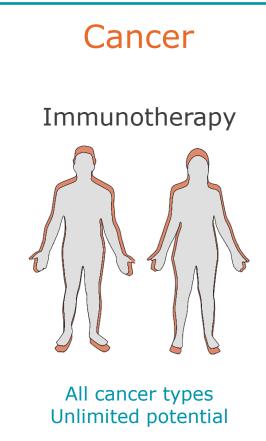
With mRNA – the natural messenger for health – the body can generate its own therapeutic protein.

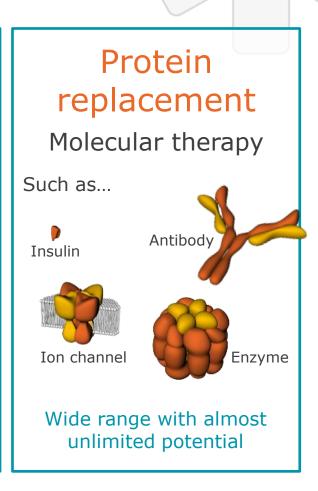
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INTRODUCTION

The unlimited mRNA opportunity



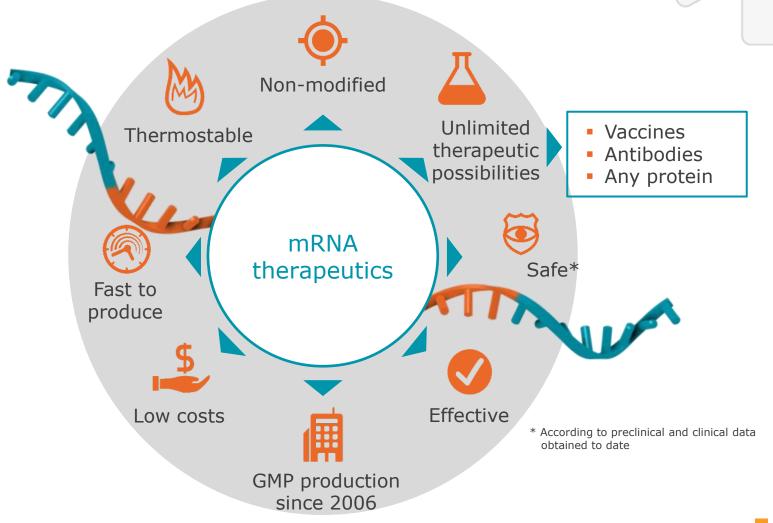




→ Potential to record "healthy messages" for different indications on the "data carrier" mRNA is limitless.

INTRODUCTION

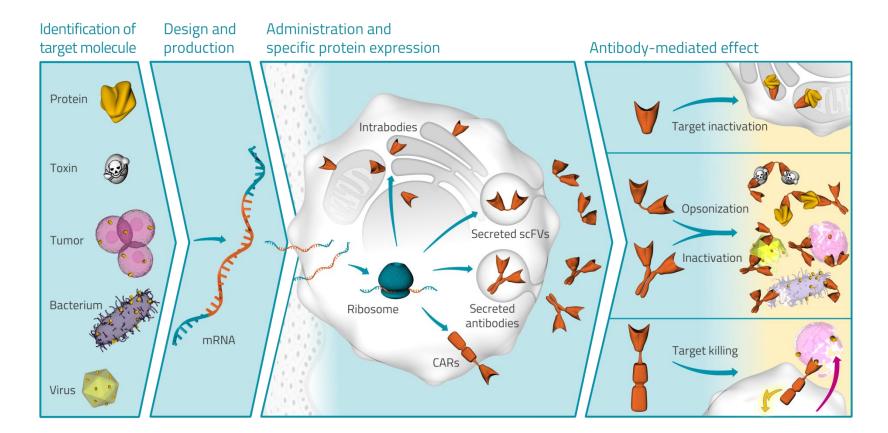
The unlimited mRNA opportunity





MRNA ENCODED ANTIBODY

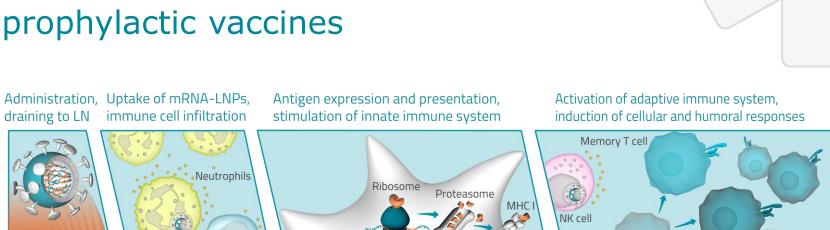
mRNA encoded antibody – the body makes its own functional antibodies without vaccination

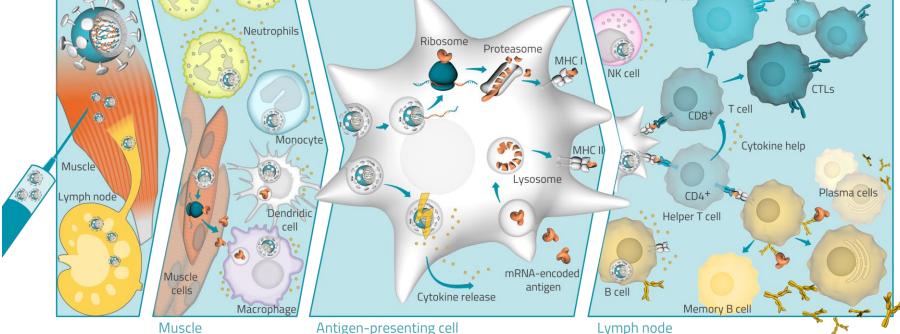




MRNA FOR PROPHYLACTIC VACCINES

Mode-of-Action of mRNA

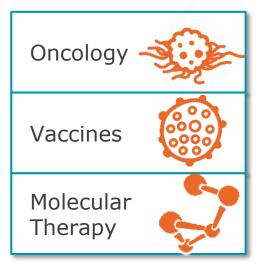




SUMMARY

Future directions: opportunities and challenges

- The use of mRNA redefines the future of therapies
- mRNA technology is versatile:



Individualized cancer vaccine

Quick response to pandemics

Tackle rare diseases

Adapting regulatory guidelines for mRNA based vaccines



THANK YOU!

Q&A



