

# Working at the SPEED of SCIENCE

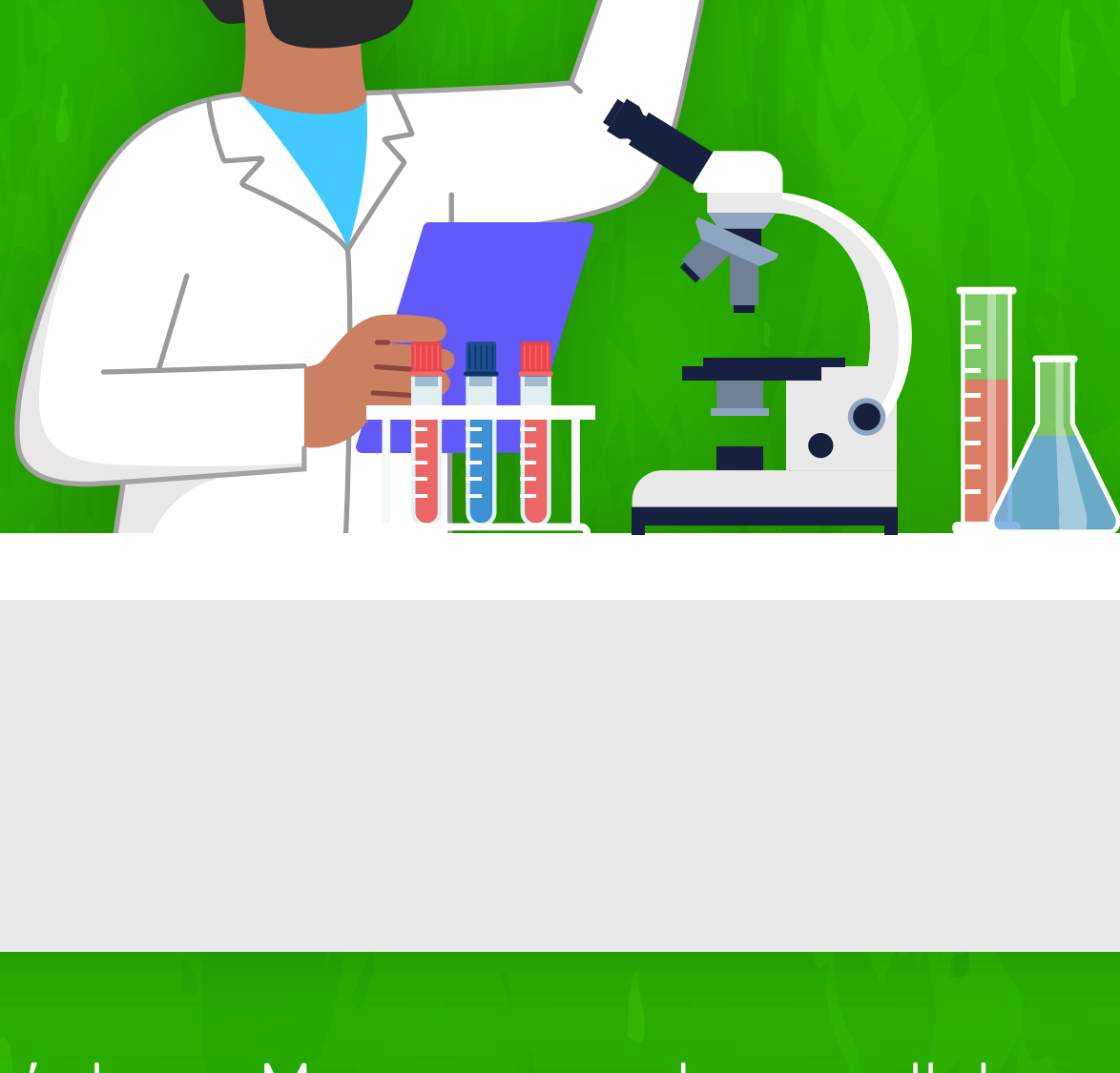
And Why You Should Be Excited



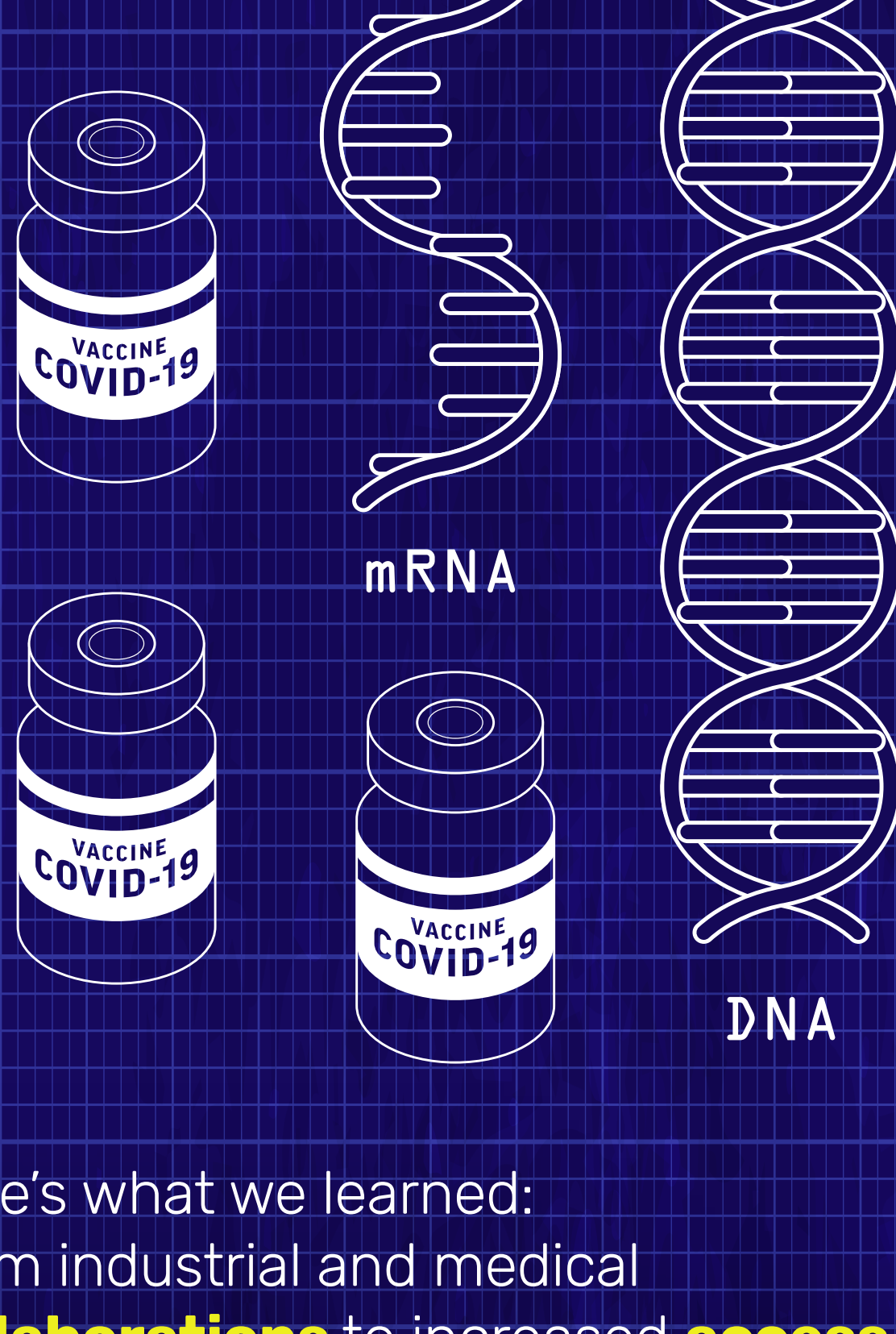
Accelerated scientific breakthroughs can cause **suspicion and confusion**. How can something as important as a **vaccine**, for example, be safely made so fast? How does it pass testing and safety regulations in such a short space of time?



The **COVID vaccines** are a great example of a scientific breakthrough and demonstrate how clinical trials, peer-review, manufacturing, and distribution can be conducted on an accelerated scale to create safe, effective, and regulated medicine **without cutting any corners**.



Here's how: Many researchers collaborated and were working on one problem: COVID. In some cases, they weren't starting from scratch, some vaccines were developed from **mRNA technology** that already existed for many years. Phase 1 and 2 clinical trials could be held simultaneously and manufacturers innovated their processes to improve the development and distribution of vaccines.



Here's what we learned: From industrial and medical **collaborations** to increased **access to research**, cooperation between companies such as Pfizer and BioNtech was key. Improving the design and execution of clinical trials, and improving logistics in the manufacturing supply chain all helped to speed up the process.



Continued **industrial and scientific collaboration, execution of clinical trials, and innovative manufacturing supply chains** could all contribute to future lightspeed breakthroughs in other areas of scientific research.

