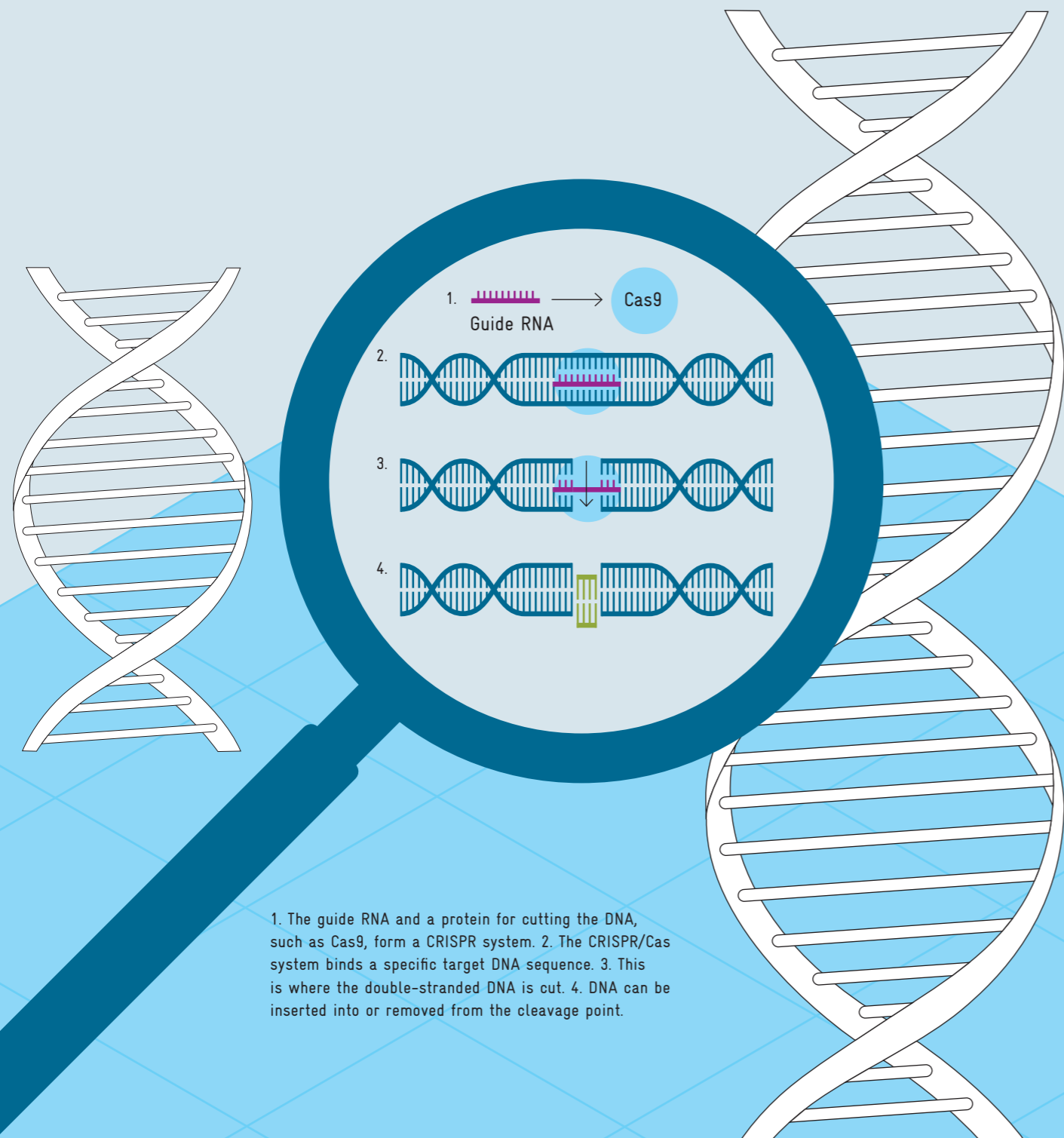


B 3 Gene Editing and CRISPR/Cas

CRISPR/Cas is a gene editing tool that can be used, among other things, to find new therapeutic approaches and to decipher the causes of diseases. Experts attribute great potential to CRISPR/Cas because it simplifies gene editing and thus enormously expands the circle of researchers as well as the fields of application.



CRISPR/Cas-related research and innovation activities in the fields of health and medicine as well as technical improvements in Germany and the United Kingdom relative to those in the USA 2012-2019



Publications



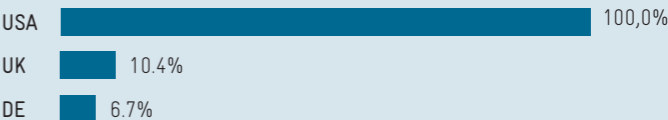
Patents



Clinical trials



Companies



Germany is comparatively well positioned in CRISPR/Cas research in the fields of health and medicine as well as technical improvements. However, there is still untapped potential in Germany regarding CRISPR/Cas inventions, their use for patients and commercialization by companies.

Source: Illustration of how CRISPR/Cas works: Fröndhoff et al. (2019).
CRISPR/Cas research and development activities: Zyontz and Pomeroy-Carter (2021).