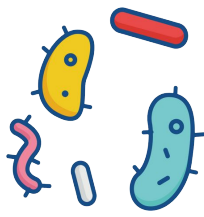
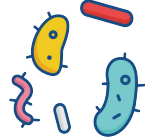


Jennifer Doudna



Awards:

2020 Nobel Prize in Chemistry
2015 Gruber Prize in Genetics



Personal:

She's married and has one child

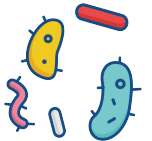


Born:

February 19, 1964,
Washington, D.C

Key Achievements:

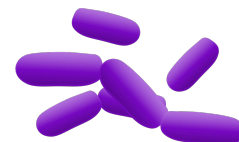
She and Emmanuelle Charpentier found a way to use a protein called CRISPR, to be able to edit DNA. Before working on CRISPR she studied “ribozymes”, which act like proteins but are made from something called RNA. She helped to discover the shape of one called “Group 1 Ribozyme” which helped scientists understand early life.



Impact on the Field:

CRISPR has helped make genetic engineering easier, which is really important in food as well as medicine. CRISPR is being used to treat sickle cell anemia by fixing the mistake in the DNA that causes it. CRISPR also helps scientists set up their experiments. When a scientist wants to use a mouse to study, now they can make their own mouse with all the traits they want to study much quicker.

Because CRISPR is so good at making genetics easier and allows scientists to study more, she should win the DNA Discovery Award.



Fun Facts:

- She grew up in Hawaii and loved reading about science.
- She was asked to work on CRISPR because she was the first search result for scientists with the right qualifications!

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