



2023 NATIONAL INVENTORS  
HALL OF FAME INDUCTEE

**Born:** Feb. 19, 1964

**Primary Connections:**

- University of California, Berkeley: Li Ka Shing Chancellor's Chair in Biomedical and Health Sciences; Professor in the Departments of Chemistry, and of Molecular and Cell Biology; 2002-present
- Howard Hughes Medical Institute: Investigator, 1997-present
- Yale University: Professor, Molecular Biophysics and Biochemistry, 1994-2002

**Education:**

- Pomona College: B.A., Biochemistry, 1985
- Harvard Medical School: Ph.D., Biological Chemistry and Molecular Pharmacology, 1989

**Key Memberships/Awards:**

- Nobel Prize in Chemistry, 2020
- Wolf Prize Laureate in Medicine, 2020
- Harvey Prize, 2018
- Kavli Prize in Nanoscience, 2018

## 10 Things You Need to Know About

# Jennifer Doudna

## CRISPR-Cas9 Gene Editing

U.S. PATENT NO. 10,266,850

1. Doudna was born in Washington, D.C., and during her childhood, her family moved to Michigan and then to Hawaii.
2. She says that as a child, she loved the process of discovery and discovering things about the natural world.
3. In 2020, Doudna and microbiologist Emmanuelle Charpentier were awarded the Nobel Prize in Chemistry.
4. She did postdoctoral research at Harvard Medical School, Massachusetts General Hospital and the University of Colorado.
5. Doudna is the co-founder of Caribou Biosciences, Editas Medicine, Intellia Therapeutics, Mammoth Biosciences and Scribe Therapeutics.
6. She is on the scientific advisory boards of Algen Biotechnologies, eFFECTOR Therapeutics, Felix Biosciences, Inari Agriculture, Synthego, The Column Group and Vertex Pharmaceuticals.
7. Doudna is a board member for Johnson & Johnson and Tempus.
8. She is a fellow of the American Association for Cancer Research Academy, American Association for the Advancement of Science and the Packard Foundation.
9. Among Doudna's many honors are the National Academy of Sciences Award in Chemical Sciences, Albany Medical Center Prize, Dickson Prize in Science, Japan Prize in Life Science, Gairdner Foundation International Award, Tang Prize in Biopharmaceutical Science, Warren Alpert Foundation Prize, Massry Prize and Gabbay Award.
10. She has more than 100 U.S. patents.