

First Annual UCLA Ginsburg Symposium 2022 in Precision Health

Frontiers in Gene Editing

Speaker Bios



Jennifer Doudna, PhD – Keynote

**Li Ka Shing Chancellor's Chair in
Biomedical and Health Sciences.
Professor, Depts. of Molecular & Cell
Biology and Chemistry, UC Berkeley
Founder, Innovative Genomics Institute
Berkeley, CA**

Dr. Jennifer A. Doudna is the Li Ka Shing Chancellor's Chair and a Professor in the Departments of Chemistry and of Molecular and Cell Biology at the University of California, Berkeley. Her groundbreaking development of CRISPR-Cas9 as a genome-engineering technology, with collaborator Emmanuelle Charpentier, earned the two the 2020 Nobel

Prize in Chemistry and forever changed the course of human and agricultural genomics research.

This powerful technology enables scientists to change DNA — the code of life — with a precision only dreamed of just a few years ago. Labs worldwide have re-directed the course of their research programs to incorporate this new tool, creating a CRISPR revolution with huge implications across biology and medicine.

In addition to her scientific achievements, Doudna is a leader in public discussion of the ethical implications of genome editing for human biology and societies, and advocates for thoughtful approaches to the development of policies around the safe use of CRISPR technology.