Jennifer Doudna

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Jennifer Doudna studies the "secrets of RNA" and among other achievements, she co-created the revolutionary RNA-guided CRISPR-Cas genome engineering technology. Raised in Hawaii, she received her Ph.D. from Harvard University and did postdoctoral research at the University of Colorado. Doudna is a professor of molecular and cell biology and chemistry at UC Berkeley, where she holds the Li Ka Shing Chancellor's Chair in Biomedical and Health Sciences, senior investigator at Gladstone Institutes, investigator at the Howard Hughes Medical Institute, and the Executive Director of the Innovative Genomics Institute. She has received numerous awards including the FNIH Lurie Prize, the Paul Janssen Award for Biomedical Research, the Breakthrough Prize in Life Sciences, the Gairdner Award, the Nakasone Award, the Tang Prize, the Heineken Prize, the L'Oreal-UNESCO International Prize for Women in Science, the Japan Prize, and the Kavli Prize in Nanoscience. She is an elected member of the National Academy of Sciences, National Academy of Inventors, National Academy of Medicine and the American Academy of Arts and Sciences, and is a Foreign Member of the Royal Society.