



Alexis Komor

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Alexis Komor received her B. S. degree in chemistry from the University of California at Berkeley in December of 2008, after three and a half years of undergraduate study. While at Berkeley, she conducted research under the guidance of Professor Christopher J. Chang on the design of first-row transition metal catalysts of dioxygen activation and group transfer for three years. She then joined the lab of Jacqueline K. Barton at the California Institute of Technology for her doctoral studies. While at Caltech, she worked as an NSF Graduate Research Fellow on the design, synthesis, and study of DNA mismatch-binding metal complexes and received her Ph.D. in 2014. She pursued postdoctoral work as a Ruth L. Kirschstein NIH Postdoctoral Fellow in the laboratory of David R. Liu, where she developed base editing, a new approach to genome editing that enables the direct, irreversible chemical conversion of one target DNA base into another in a programmable manner, without requiring double-stranded DNA backbone cleavage. Alexis joined the Department of Chemistry and Biochemistry at the University of California at San Diego in 2017, where her laboratory studies DNA damage and repair.