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Harris Wang

Harris Wang is an Assistant Professor at Columbia University in the Department of Systems Biology. Dr. Wang received B.S. degrees in mathematics and physics from MIT and a Ph.D. in Biophysics from Harvard, where he pioneered the Multiplex Automated Genome Engineering (MAGE) platform for rapid and combinatorial genome editing. Dr. Wang's current research focuses on applying synthetic biology methods to manipulate microbial communities and mammalian systems. Using advanced approaches in genome engineering, gene synthesis, and next-generation sequencing, he studies how genomes are shaped and maintained by the environment, and how they evolve over time. His research group is developing enabling technologies in systems and synthetic biology to engineer microbial systems and mammalian cells in ways that could address key challenges in health, energy and the environment. Dr. Wang is the recipient of numerous awards, including the NIH Director's Early Independence Award, NSF CAREER Award, Sloan Research Award, ONR Young Investigator Award, and was named in Forbes' 30 Under 30 in Science in 2012.