

# I. Chinese scientists synthesize complete active chromosomes with chemical compounds Chinese

**Department of International Cooperation Ministry of Science**

**and Technology (MOST), P. R. CHINA**

Chinese scientists have synthesized four synthetic yeast chromosomes with chemical compounds, marking a great stride forward in “re-creating life”. Researchers constructed synthetic active eukaryotic

chromosomes with small molecule nucleotides. This was the first time to exactly match the synthetic genome with the designed sequence. The synthesized *Saccharomyces* genome has a complete life. The findings were published on *Science* on 10th, March 2017, making China the second country after the United States capable of designing and building eukaryotic genomes.

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