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Dr. Tom Ellis is a Reader in Synthetic Genome Engineering in the Bioengineering Department at Imperial College London and author of over 30 synthetic biology publications. He began his research career working on the Human Genome Project at the Sanger Center, UK before obtaining his degree from Oxford University and his Ph.D. from the University of Cambridge. Dr. Ellis has led his own group since 2010 and is currently an EPSRC Fellow and UK leader of the BBRSC-funded project to build a synthetic yeast chromosome for the international synthetic yeast project (Sc2.0). He is a scientific advisor for the world's largest plasmid sharing company, Addgene, and member of the editorial board of ACS Synthetic Biology. Dr. Ellis' group focuses on developing the foundational tools for accelerating, automating and scaling design-led synthetic biology from gene to genome-level, focusing on research projects in bacteria and in *S. cerevisiae* yeast.