



## Twist Bioscience and Desktop Genetics to Offer Integrated Design Services and DNA Synthesis for Gene Editing Research

June 2, 2016

— Partnership to Enable Highly Optimized Tools for CRISPR and Other Gene Editing Research —

**SAN FRANCISCO, Calif. and LONDON, England – June 1, 2016** – Twist Bioscience, a company accelerating science and innovation through rapid, high-quality DNA synthesis, and Desktop Genetics, a London-based software company, today announced a partnership to provide integrated experiment design and DNA synthesis tools to expedite gene editing research. Desktop Genetics will provide synthetic guide RNA (sgRNA) CRISPR library design services complemented by Twist Bioscience's highly specific guide libraries for accurate editing of gene targets.

"Through this integrated service, customers will be able to utilize Desktop Genetics' design capabilities for optimized gene editing experiments with concurrent access to unparalleled DNA synthesis through our 10,000-well silicon chip technology," said Emily M. Leproust, Ph.D., CEO of Twist Bioscience. "This agreement augments our acquisition of Genome Compiler by partnering design expertise for CRISPR workflows with our expertise in synthesis of high quality oligonucleotide pools, which in turn facilitates cutting-edge research in biology, biotechnology and personalized medicine."

Under the terms of the agreement, Desktop Genetics will work with its customers to computationally design sgRNA libraries for any CRISPR genome-editing application, in any cell line. Using its DESKGEN platform, the company will be able to provide researchers with sgRNA libraries that are designed using state-of-the-art machine-learning and experimentally validated approaches, and tailored to the exact genotype of the cell line being investigated. These guide libraries are then synthesized at Twist Bioscience and shipped directly to the customer, providing access to an innovative and highly scalable synthesis platform that enables cost-efficient workflows from design to downstream screening.

Riley Doyle, CEO of Desktop Genetics commented, "As a company working with world-renowned research institutions, pharmaceutical companies, and leading organisations directing genome editing towards therapeutic applications, I am incredibly excited to announce this partnership. By working with Twist Bioscience, we will be able to extend our services to thousands of customers, providing them with rapid access to the high quality, high throughput synthetic DNA needed for their functional genomic screens and CRISPR experiments."

### About Twist Bioscience

At Twist Bioscience, our expertise is accelerating science and innovation by leveraging the power of scale. We have developed a proprietary semiconductor-based synthetic DNA manufacturing process featuring a 10,000-well silicon platform capable of producing synthetic biology tools, including genes, oligonucleotide pools and variant libraries. By synthesizing DNA on silicon instead of on traditional 96-well plastic plates, our platform overcomes the current inefficiencies of synthetic DNA production, and enables cost-effective, rapid, high-quality and high throughput synthetic gene production, which in turn, expedites the design, build, test cycle to enable personalized medicines, pharmaceuticals, sustainable chemical production, improved agriculture production, diagnostics, biodetection and data storage. For more information, please visit [www.twistbioscience.com](http://www.twistbioscience.com). Twist Bioscience is on Twitter. Sign up to follow our Twitter feed @TwistBioscience at <https://twitter.com/TwistBioscience>.

### About Desktop Genetics, Ltd [www.desktopgenetics.com](http://www.desktopgenetics.com)

Desktop Genetics is a bioinformatics company specialising in CRISPR sgRNA design software, gene editing tools and wetlab services. The company is using machine learning approaches to develop the DESKGEN platform, an intuitive and powerful system that supports the optimal design, construction and manufacturing of the DNA, reagents and services needed for CRISPR genome editing. The company offers state-of-the-art CRISPR library design services, and can orchestrate all aspects of cell line engineering projects, high-throughput gene editing, and functional genomics experiments. Desktop Genetics is an Illumina-backed company and works with recognized leaders in biotech, including Editas Medicine, Horizon Discovery, TranscripTic, Twist Bioscience and enEvolv. [www.desktopgenetics.com](http://www.desktopgenetics.com)

@DesktopGenetics

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