

# Source BioScience: Leading Providers of Genetic Analysis Services

Meeting the highest standards of data quality. Investing in leading-edge technology. Focusing to provide customer-centered service at its best.

"We want to offer researchers a complete solution, from DNA banking to sample preparation and analysis, that they can trust." This single statement expressed by Dr. Nicholas Leaves, Operations Director at Source BioScience, sums up the company's goal and philosophy. Actions support this testimony. In 2010, Source BioScience became the first and only Illumina Certified Service Provider (CSPro®) for sequencing applications in the United Kingdom.

## A COMMITMENT TO TECHNOLOGY

To make this vision of complete customer service a reality, Source BioScience actively seeks out the latest technologies exhibiting the highest levels of accuracy and throughput. It's why they turned to Illumina. "By aligning ourselves with technology leaders, we can be leaders in the service industry and offer the most value to our customers," states Dr. Leaves.

Currently, Source BioScience has three Illumina Genome Analyzers, two cBot units, two Paired-End Modules, and a team of bioinformaticists available for customer sequencing projects. They have recently added a HiSeq™ 2000 system, Illumina's highest

throughput sequencing system, to the mix. This will give them the power to expand their services exponentially. "We are committed to investing in the future of our customers. We want to stay on the cutting edge, and this requires us to keep up with the latest technologies and make them available, reliably and expertly, to our customers," shares Dr. Leaves.

Source BioScience has become so proficient at sequencing with Illumina technology, that they were awarded CSPro status in February 2010. Earning this level of accreditation is more than a legal agreement. It shows a true partnership with Illumina, dedication to ongoing collaborations, and a strong commitment to achieving the highest level of service and data quality. As the first and only service organization to achieve CSPro Sequencing status in the United Kingdom, Source BioScience is committed to providing their customers with the highest quality of service and data that their research demands.

Performing the actual sequencing is only a portion of the service offered by Source BioScience. To ensure that their customers get the most value from their data, Source BioScience provides a range of customized bioinformatics options. Choose from basic data analysis, including image analysis, base calling, and alignment files to more advanced comprehensive reporting. Data is generated using industry-leading bioinformatics tools and open-source software solutions, enabling customers to perform additional downstream analysis as needed.



## A COMMITMENT TO SERVICE

Source BioScience offers customers a complete service that begins from first inquiry. "We really take a lot of time upfront with customers and do a lot of pre-contract work," states Dr. Cheng-Eng Ang, Senior Manager in Genomics. "We want to fully understand a project's needs and make sure the customer is aware of the best way to achieve results, set clear expectations, and walk them through the entire process." Throughout the project, the experts at Source BioScience stay in contact with their customers, keeping them up to date with their project's progress.

To further meet the needs of their customers, Source BioScience boasts Clinical Pathology Accreditation (CPA) UK. This accreditation declares that they meet high standards and provide reliable, repeatable, and responsive services. The CPA standing also allows them to work on projects that will be submitted for regulatory purposes.

## A COMMITMENT TO RESULTS

With customers in both academia and pharmaceutical settings, Source BioScience works with researchers studying a variety of topics in many different species, including human, bacteria, and severely agriculturally important plants and animals. They are currently working with Dr. David Lee of the National Institute for Agricultural Botany (NIAB) to identify SNPs in the rice genome that can be used to improve breeding programs. To do this, Source BioScience is performing mRNA sequencing with the Genome Analyzer on a number of parent and F1 samples. So far, Source BioScience has completed a pilot study and is now moving on to the remainder of the plants. When asked about his experience with Source BioScience and Illumina technology, Dr. Lee states, "I am very happy with the service...the data exceeded my expectations."

## Life Science Research by Source BioScience

Providing core laboratory research support from conceptualisation to implementation, calling upon a wide ranging set of technology platforms and an online catalogue of biomolecular tools.

- DNA extraction and whole-genome amplification
- Next-generation sequencing
- DNA sequencing
- Gene expression analysis
- Genotyping
- Bioinformatics and data analysis
- cDNA and genomic libraries

## LOOKING FORWARD

In the future, Dr. Lee sees agriculture studies becoming a bigger part of Source BioScience's studies. "The new technologies now available to us, and by extension to our customers, are really opening up the agriculture field to studies that people thought were crazy just a few years ago."

## CONTACT US

Learn how Source BioScience can help you achieve your research goals at [www.sourcebioscience.com](http://www.sourcebioscience.com).

For details or data, contact your Illumina CSPro Provider today.



Source BioScience plc  
1 Orchard Place  
Nottingham Business Park  
Nottingham  
NG8 6PX  
Tel: +44 (0) 115 973 9012  
Fax: +44 (0) 115 973 9013  
Web: [www.sourcebioscience.com](http://www.sourcebioscience.com)  
E-mail: [lifesciences.services@sourcebioscience.com](mailto:lifesciences.services@sourcebioscience.com)

