BACKGROUND

The Human Genome Project (HGP) is considered one of the greatest scientific achievements of the last century. BGI was founded in 1999 in order to participate in this significant research project. Since then, BGI has become a world-leading life science organization.



BGI leads innovative development in genomics and life sciences through its integrated model

SERVICES

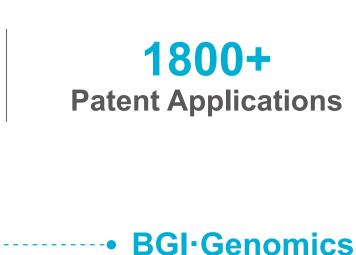
incorporating industry development, education and research in compliance with international bioethical protocols, and applies frontier multi-omics research findings to areas including medicine, healthcare, resource conservation, forensics and more; and provides cutting-edge proprietary life science instruments and devices, technical support and solutions to accelerate industry transfer of genomic technologies and revolutionize current healthcare system towards precision medicine and precision healthcare, using

"omics" to benefit the mankind. CORE CAPABILITIES

Research







BGI-Research

Covering the whole reproductive cycle to provide premarital, pre-pregnancy, prenatal, newborn and childhood reproductive health services

Sequencing Services

Precision Oncology

Reproductive Health

Preventing and controlling cancers through a comprehensive precision oncology system which adopts the latest technologies and products to effectively prevent, screen, diagnose and monitor tumors



and intelligent algorithm

centers

Pathogen Detection Using technological platforms like metagenomics to test for and analyze complicated or severe infections

Establishing various technology and product systems for pathogen

detection and attaining genus information on suspected pathogenic

micro-organisms with the aid of a dedicated micro-organism database

Providing comprehensive and in-depth analytical reports to support

the quick and accurate diagnosis of complicated or severe infections



fragment restructuring and synthesis

Genomics Big Data and Synthesis Providing services engaging in life science research with high-quality, cutting-edge solutions, including standardized technological services, such as gene sequencing, mass spectrometry analysis, biological database management and cloud data analytics, and customized services,

such as gene synthesis, Oligo synthesis and whole genome/chromosome

Offering comprehensive precision medicine solutions and complete product lines to meet the needs of large medical institutions and support the growing market for the construction and operation of precision medicine



Precision Medicine Solutions

Advanced Tools in Life Sciences MGI Fully automated scale data production



Jan. 2021, launched MGISP-NE384, high-throughput automated nucleic acid extractor

preparation system

sample transfer processing system Oct. 2019, launched DNBSEQ E, DNBelab D and DNBelab C series Oct. 2018, launched ultra-high-throughput sequencer DNBSEQ-T7, MGISP-960 high-throughput automated sample

Oct. 2020, launched DNBSEQ-T10×4RS genetic sequencing system

Aug. 2020, launched MGISTP-7000, high-throughput automated

Nov. 2016, launched the BGISEQ-50 desktop sequencing system Oct. 2015, BGISEQ-500, high-throughput desktop genetic sequencer

Oct. 2017, MGISEQ-2000 and MGISEQ-200 high-throughput genetic

sequencers, remote ultrasound robot MGIUS-R3

Mar. 2013, acquisition of Complete Genomics (U.S. life sciences company)

 Reading – Digitalization Platform A leading "reading" platform producing petabytes of data annually

Writing – Synthesis and Editing Platform

Complete.

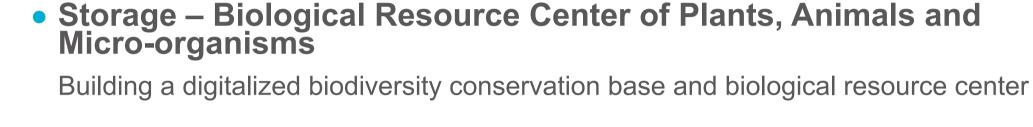
Storage – Bio-informatics Data Center

An automated, low-cost and high-throughput biorepository

Building a leading genome "writing" platform

Storage – Biorepository

Reading, Writing and Storage of Genetic Resources



China National GeneBank DataBase (CNGBdb)

QUICK FACTS

A comprehensive database for biological data sharing and applications

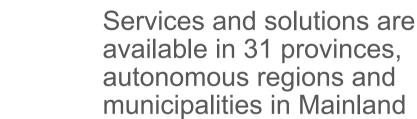
A secured database and highly efficient bio-informatics analysis platform

7000+ 1999 BGI has more than 7000 employees BGI was founded in 1999. worldwide.

available in 100+ countries and regions.

100+

Services and solutions are



China.



410+ scientific papers published in

the world's leading journals such as

Nature series, Science series, Cell

series, and New England Journal of

Shenzhen

410+

Medicine.

Headquartered in Shenzhen.

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Kunming

GLOBAL PRESENCE

than 100 countries and regions around the world.



BGI is headquartered in Shenzhen, with services and solutions available in more

Qingdao

Fuyang

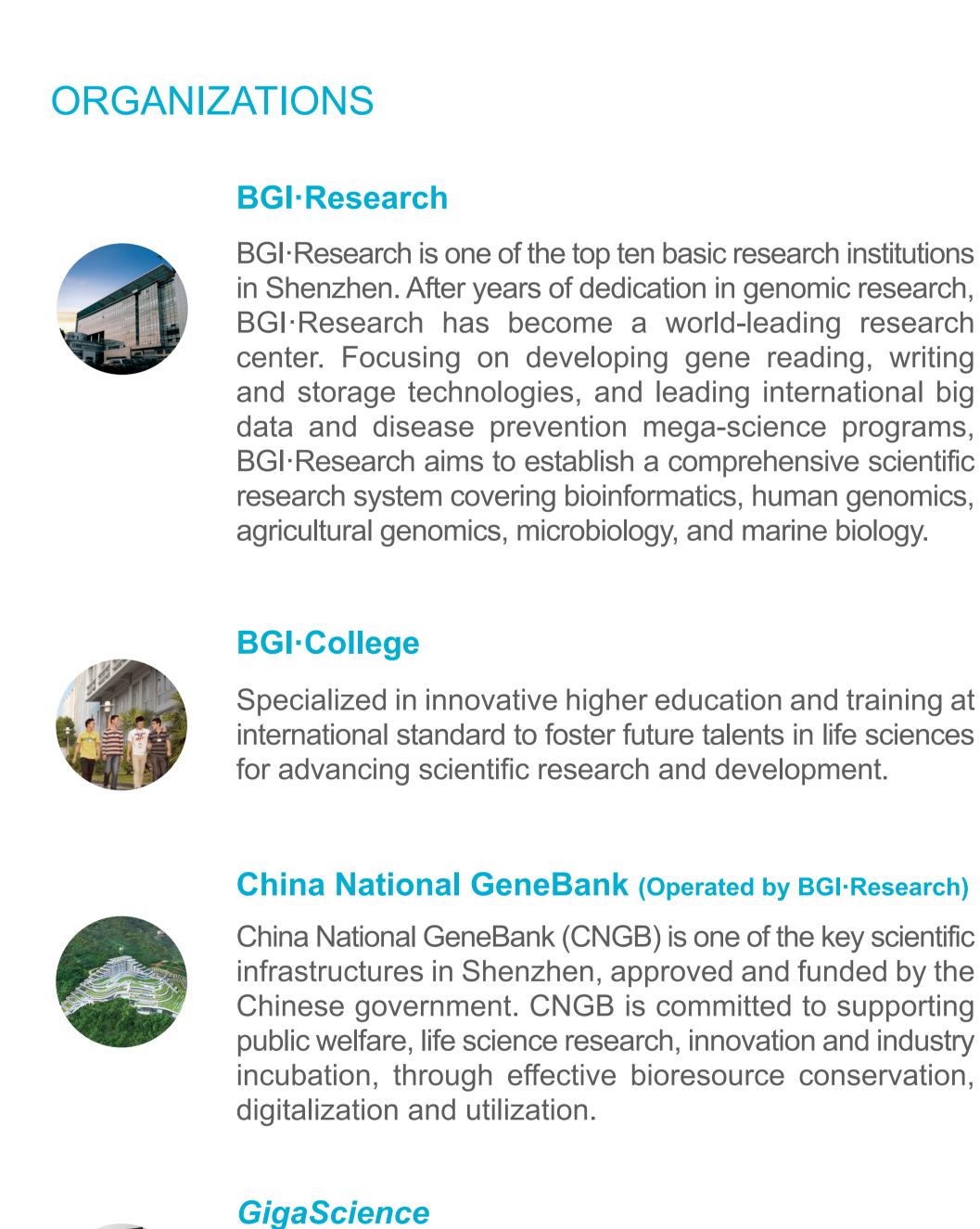
Nanjing

Headquarters

Office/Lab

Representative Office

Future Plan



Launched in July 2012, GigaScience aims to revolutionize

publishing by promoting reproducibility of scientific research

analyses, data dissemination, organization, understanding,

A world leader in scientific and precision medicine services

provides leading research and precision medicine solutions

to science institutes, enterprises, medical facilities and

works to advance technological innovation, reduce birth

MGI is committed to enabling effective and affordable

healthcare solutions for all. MGI produces sequencing

devices, equipment, consumables and reagents to support

life science research, medicine and healthcare. MGI's

multi-omics platforms include genetic sequencing, mass

spectrometry and medical imaging. Its mission is to develop

FGI is committed to providing world-leading high-accuracy

forensic DNA testing to benefit the society. FGI innovates

forensic application through integrating industry, education,

and research. It has one of the first third-party forensic

centers approved by Ministry of Justice of China.

defects, fight tumors and protect against serious illness

BGI-Genomics (Shenzhen Stock Exchange: 300676)

promotes precision medicine to cure infections

healthcare organizations

Hong Kong



and promote advanced life science tools for future healthcare.

BGI-MED

BGI·Agro

applications.

BGI·Health

FGI

and use.

that:

MGI

Engaged in the clinical transformation and application of gene science and technology achievements, enabling patients to receive accurate diagnosis and treatment, promoting the transformation from traditional medicine to precision medicine.

BGI Agro, based on BGI's technical strengths in genomics

and bioinformatics, is an innovative organization supporting

genomic research and development in agricultural

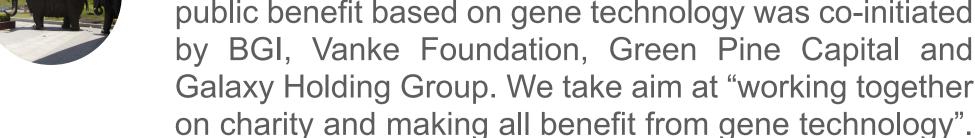
BGI Health aims to provide precision health services and

solutions by analyzing multi-omic data for BGI employees



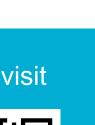
and their families, including precision prevention, intervention and improvement. It strives to provide full-life-cycle precision health services for more people in future.

Mammoth Foundation China's first public welfare foundation that works for public benefit based on gene technology was co-initiated by BGI, Vanke Foundation, Green Pine Capital and Galaxy Holding Group. We take aim at "working together









To learn more about us, please visit

We uphold the principle of promoting and developing gene technology that is people-oriented, equal, all-inclusive, convenient and accessible. We mainly work on medical subsidy and assistance, popular science & education, and crossover communication among others.

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