



The Industry Leader in Developing Reliable Biological Reagents

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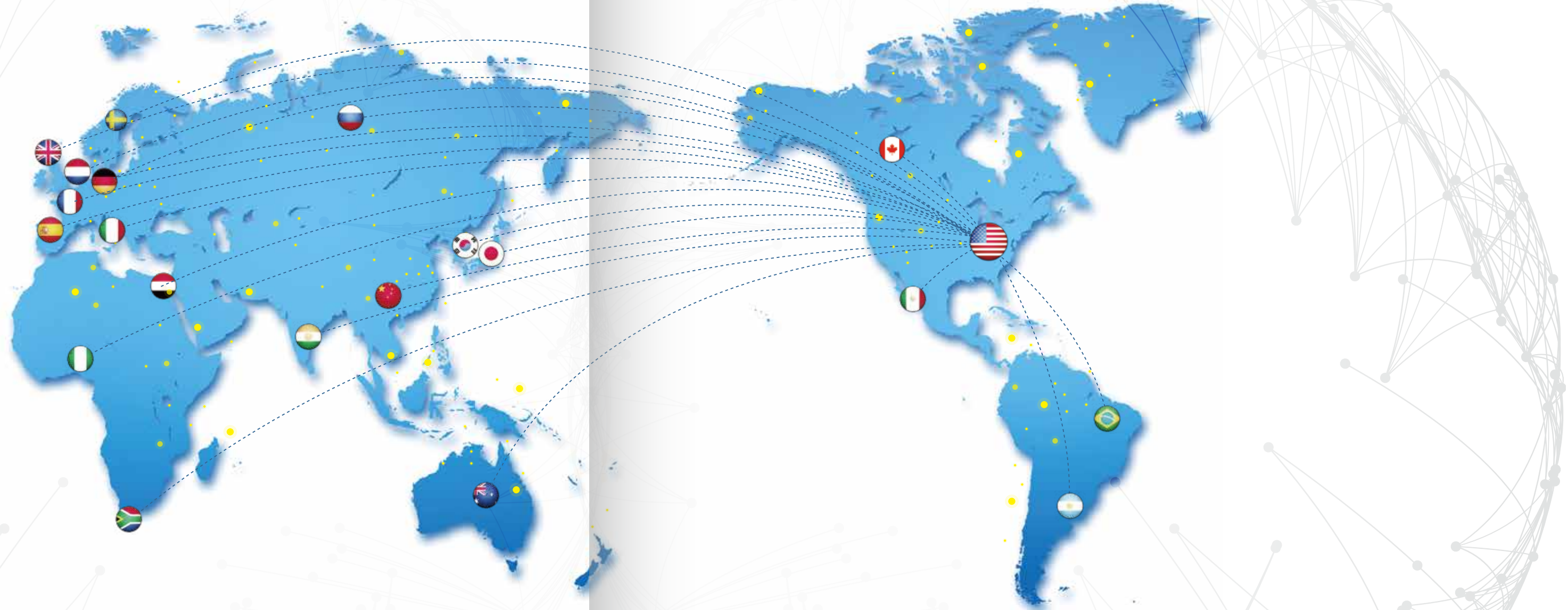
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— **Make Research Easy** —

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A leading biotech
company
empowering
scientists **in over
100 countries** for
15 years



Message from Our CEO

Dear Researcher,

When we founded GenScript in 2002, we had one important mission in mind: *to make research easy*, so innovation in biology would accelerate. Having worked in scientific research for many years, I witnessed huge frustration with reagents made in laboratories; issues with quality, speed and reproducibility caused many delays and cost us tremendous efforts. So by industrializing the making of reagents, GenScript leveraged the power of technology to make **reliable, high-quality reagents with consistency and speed**. This effort empowered researchers across various disciplines in life sciences with capabilities to achieve more with less.

Until now we have served many clients like you for more than 15 years. We have developed state-of-the-art technology platforms, including the proprietary GenPlus™ Next-Gen HT gene synthesis, PepPower™ automatic microwave express peptide synthesis, high-throughput gene-to-antibody expression platform, and the MonoRab™ super sensitive rabbit monoclonal antibody. These advanced technologies shaped the pillars of our core competence, and helped GenScript to become the world's largest gene synthesis provider and a major player in customized reagent production. But, **we are more than our technologies**. We take pride in our deep understanding of researchers and laboratories, as we have over 600 employees with Ph.D. or Master's degrees in life sciences; comprising 30% of our total team members. **From the labs, for the labs**: we always care about your research more than anyone else, because we know that your success is our success.

In the past decades, biology has taken giant leaps forward. With innovations in next-generation sequencing, synthetic biology, genome editing, and immunology scientists are able to engineer living organisms to solve problems from food production to removal of pollutants. They can also develop novel methods to diagnose previously hard-to-detect diseases or to treat previously untreatable conditions, such as cancer and genetic diseases. At GenScript we firmly believe that we are at the dawn of a new age **in which revolutionary breakthroughs in biology will finally solve fundamental issues of our humanity and environment towards making our planet a better place to inhabit**. This presents a great opportunity as well as a responsibility for all of us in biological sciences. I am confident that we as a community can work together to take advantage of this opportunity for the benefit of all, and share the burden of the responsibility that comes with it.

From a humble beginning, GenScript has come a long way; as have the biological sciences. I would like to thank every one of you who has worked very hard in laboratories across the world for taking us and science this far. It has been a long yet rich journey for us, and for you, too. We think no one should embark on this journey alone. So we invite you to continue to take us along with you, let us support your growth, and together let's further advance the frontiers of biology.

Sincerely yours,



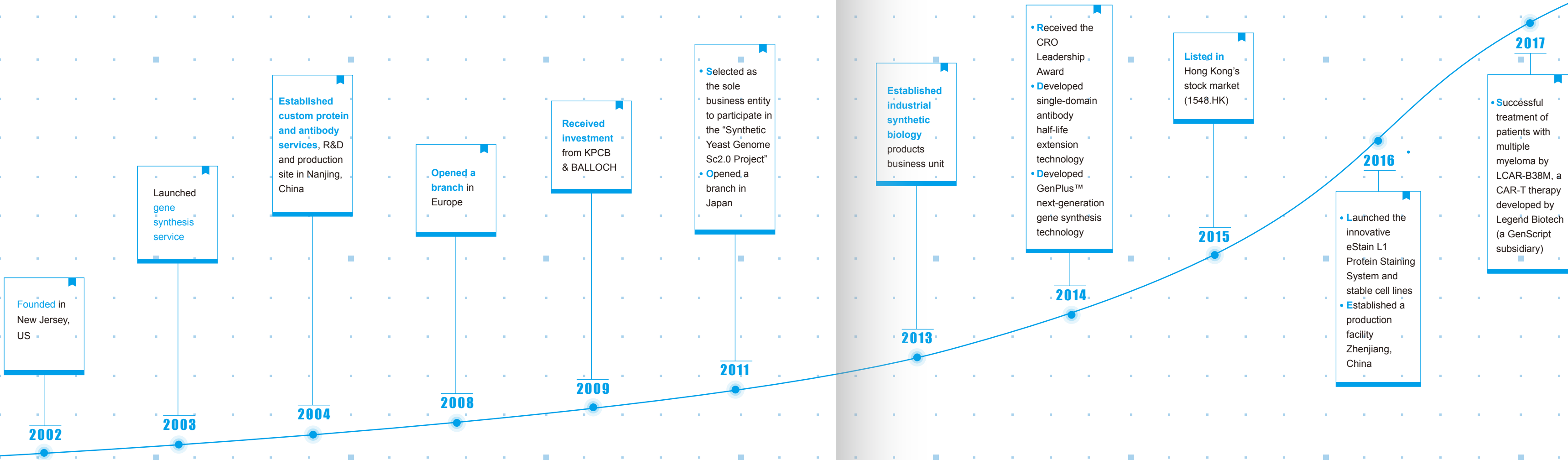
Dr. Frank Zhang
Chairman and CEO



Our Story





History & Milestones



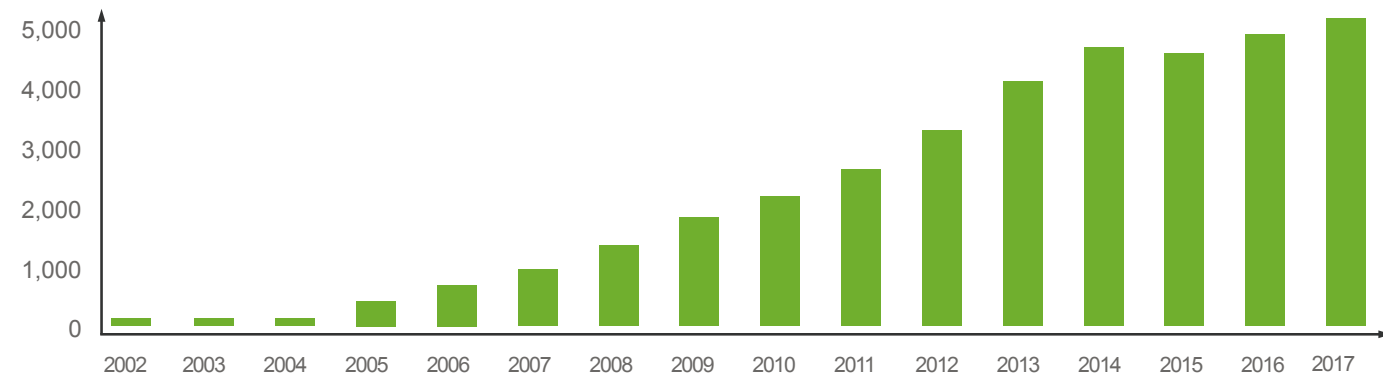
Awards & Achievements

Awards

-  CRO Leadership Award in Productivity and Regulatory Affairs
-  Recipient of the 2018 CiteAb Most Popular Custom Antibody Supplier Award
-  One of the five founding members of IGSC, the International Gene Synthesis Consortium
-  The only commercial entity invited to participate in the Synthetic Yeast Genome Project
-  Awarded ISO9001, AAALAC, and OLAW certificates

Achievements

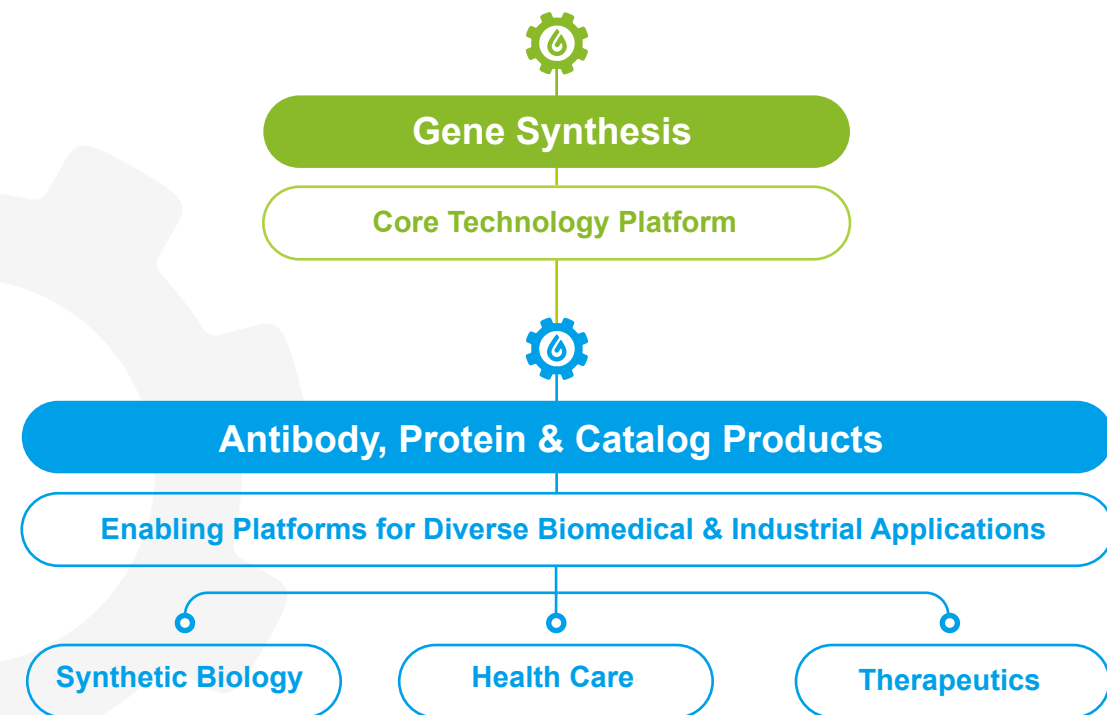
Publications citing GenScript



Core Values



Our Science Engine



Our Human Engine



Various research and professional opportunities available for our team members to advance their career

600+ employees hold M.S. and Ph.D. degrees

Gene Synthesis Provider in the World



Reliable gene synthesis, cloning, and plasmid prep services
Backed by our intelligent GenSmart™ ordering system



Peace of Mind in meeting deadlines through fast & on-time delivery
Convenience in ordering 3 optimized services in one stop within minutes
Assurance in having the highest quality reagents for numerous applications

GenParts™ Gene Fragments Service

Double-stranded gene fragments
offering the most versatile solution
for your molecular cloning and
assembly needs

GenPlus™ High-Throughput Gene Synthesis Service

Automated, high capacity platform capable
of handling synthesis projects of over 2
million base pairs in length



Synthetic Biology Pathway Assembly

Libraries of
combinatorially-assembled
genes with applications in
synthetic biology screening and
engineering purposes

GenBricks™ Synthesis Service

Fundamental building blocks for accurate
and efficient, one-step DNA assembly for
diverse applications in synthetic biology

GenCRISPR™ Plasmid Synthesis

A well-tested platform for genome editing, synthesized based on vectors designed by the Broad Institute of Harvard and MIT

GenCRISPR™ Synthetic RNAs & Cas9 Proteins

Synthetic GenCRISPR ribonucleoproteins providing high efficiency genome editing with reduced off-target effects

GenCRISPR™ Cell Lines

Start-to-finish genome editing services, handling your design, editing, and screening needs

PepPower™

▼
Powered by Our Proprietary,
Microwave-Assisted Peptide
Synthesis Platform

More than 11,000 reliable custom
peptides synthesized per month
Delivery in fast as 5 days
Offering reproducibility and
consistency in peptides of any
length, modification, and complexity
level



MonoRab™

Powered by Our Proprietary Rabbit Monoclonal Antibody Generation Platform

Exceptional specificity & sensitivity
Perfect for anti-ID & IVD monoclonal antibodies
Ideal for difficult immunogens



Capabilities: Recombinant Antibody Production



The Most Reliable Recombinant Antibody (rAb) Service Provider

High Throughput (HTP) Gene to Antibody (up to 1 mg)

- Guaranteed delivery for drug screening purposes
- Fastest delivery for early-stage antibody screening among major vendors
- Top quality industry standards: automated HTP platform with strict quality control

Scale-up rAb production (100 mg-g)

- Lowest cost per unit with highest quality
- Superior batch to batch consistency and strict quality control
- The most experienced solution provider for reagent rAb within the CRO industry

Capabilities: Therapeutic Antibody Discovery & Development

Ab Lead Generation



Ab Lead Optimization



CMC



IND

Clinical trial



3 IND Filings

1 in Clinical Trial

- Hybridoma Generation
- Phage Display
- Single Domain Antibody Generation

- Ab Humanization
- Ab Affinity Maturation
- Developability Assessment & Optimization

- Stable Cell Line Development
- Process Development
- GMP compliant Scale-Up

Synthetic Biology



Bioenergy

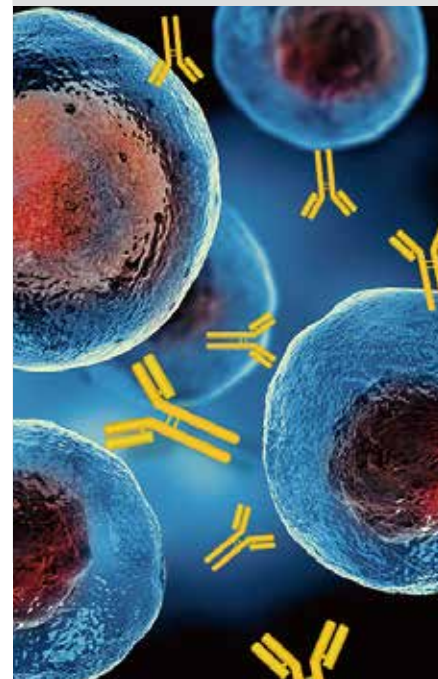


Bioremediation

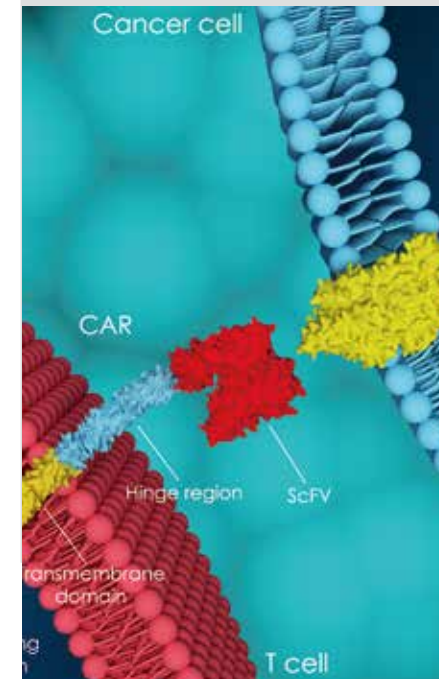


Food Production

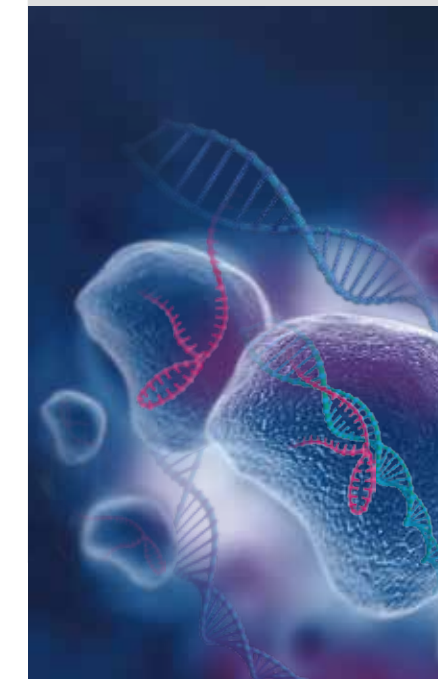
Biologics



Cell Therapy



Gene Therapy



Applications: Health Care

Vaccines

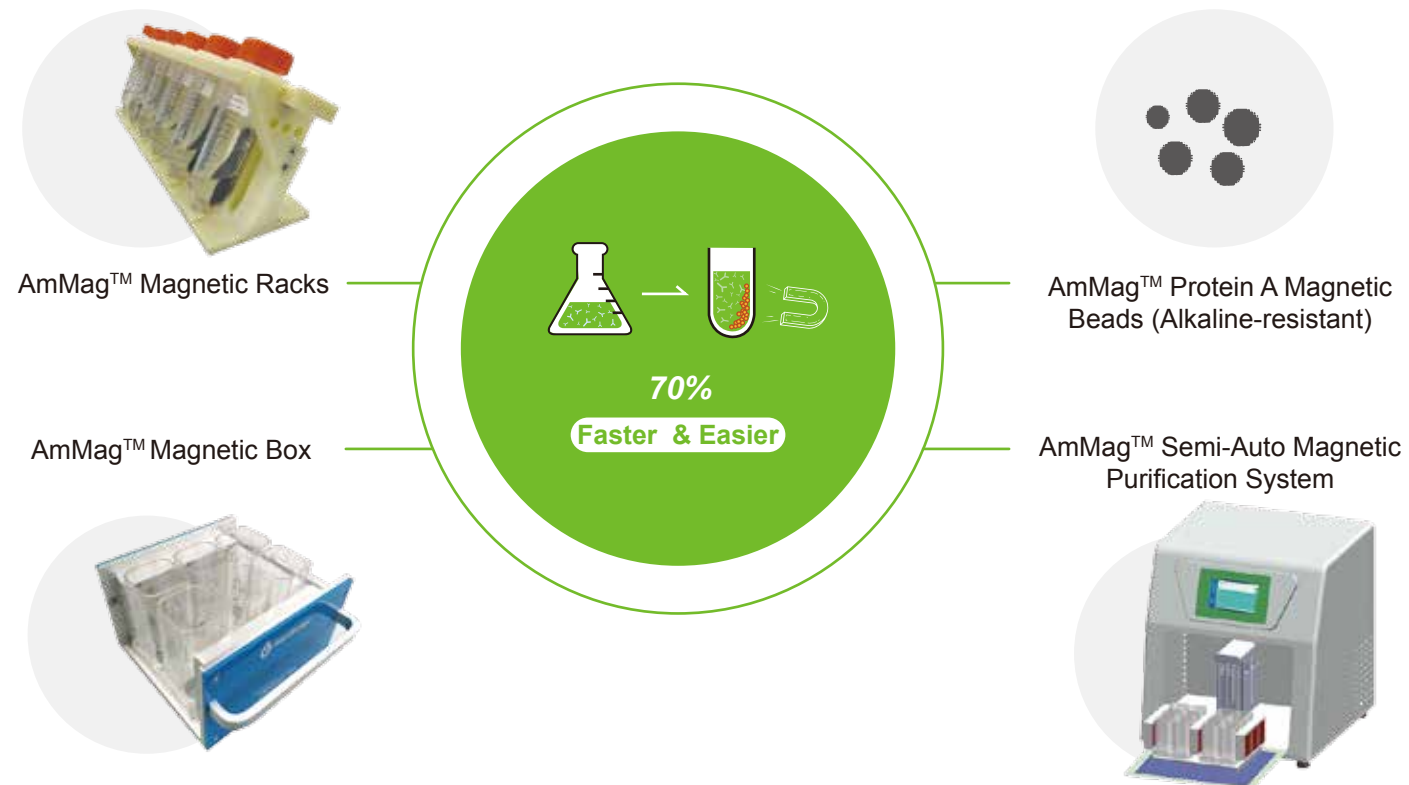


Molecular
Diagnostics

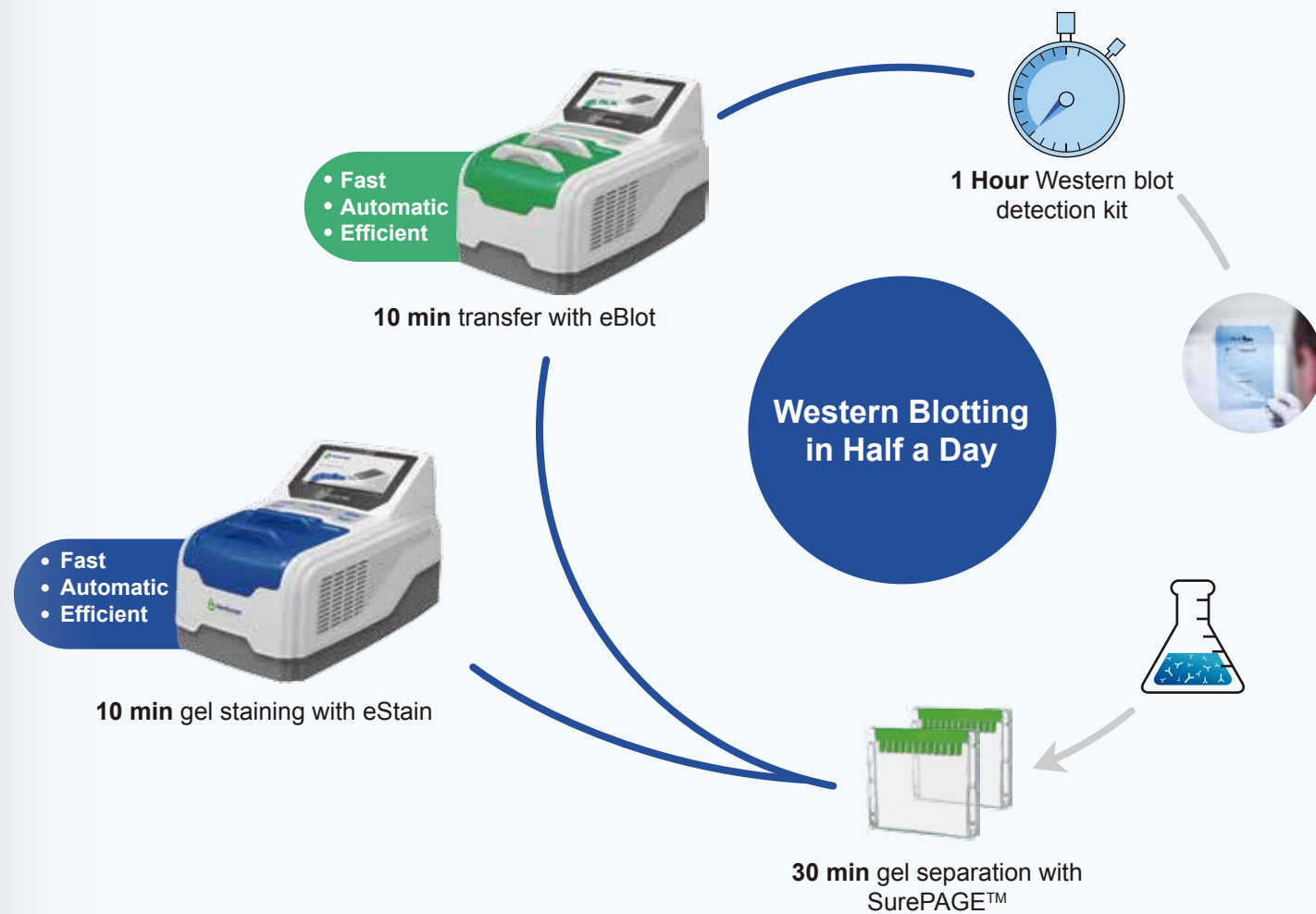


Innovative Products: Protein and Antibody Purification

Save Your Time and Labor
by AmMag™ Magbeads Purification Platform



Innovative Products: One-Stop Solution for Protein Analysis



Programs & Partnerships



A premium partner of the **International Genetically Engineered Machine (iGEM) Competition** to award and train the most innovative synthetic biologists

MolecularCloud Plasmid Repository Program developed as a collaborative effort led by the BioBricks Foundation and the OpenPlant Initiative, offers a non-profit plasmid-sharing platform.

CRISPR/Cas9 Licensing through partnership with the pioneering Feng Zhang's laboratory at the Broad Institute of MIT and Harvard

GenScript Scholar Club Program promotes and rewards scientific accomplishments of GenScript's customers across the globe.

Spotlight on Customers Success

In 15 Years of Partnership

More than **30,000** Customers' Research Success Published in High-Impact Journals

▼
23 in Cell
82 in Nature
349 in PNAS



All **Made Possible** by

- our customers' innovative drive and hard work
- our reliable custom services and products

Partnering with
Life Scientists
Across the Globe
to improve
human health
while preserving
the environment

