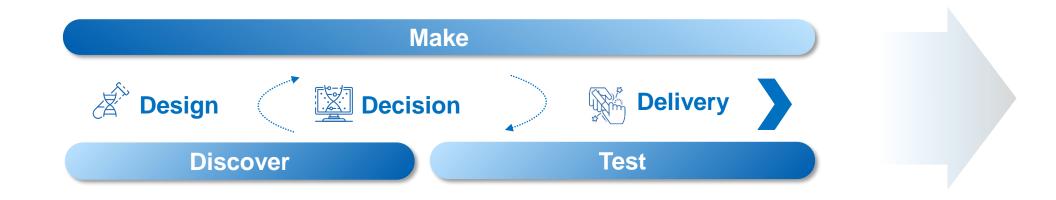


2022 WuXi AppTec Investor Day
WuXi Biology: An End-to-end

Discovery Biology Platform

Steve Yang, Ph.D. Co-CEO

Enable Innovation through Making, Discovering and Testing



WuXi Biology





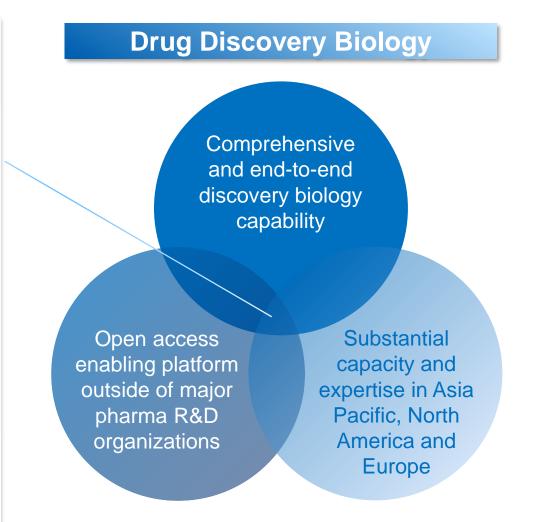






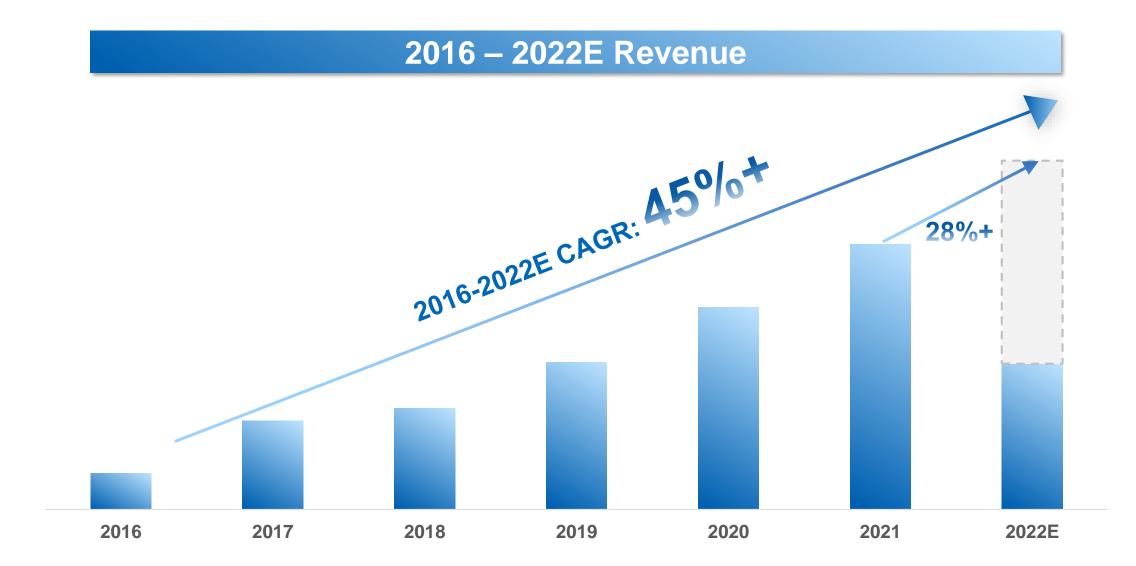
WuXi Biology: An End-to-End Drug Discovery Biology Enabler

- WuXi Biology is the **only** drug discovery biology enabler that meets all three criteria
- WuXi Biology is also one of the most
 Comprehensive drug discovery biology enabling platform
- WuXi Biology is committed to continuous investment in **emerging** technologies
- WuXi Biology is well positioned to grow and ride the waves of scientific breakthroughs in biology





Robust and Continuous Business Growth





A Global Site Network

CHINA



Shanghai (WGQ)



Shanghai (Zhangjiang)



Suzhou



Qidong



Chengdu

UNITED STATES



Boston



Cranbury



San Diego

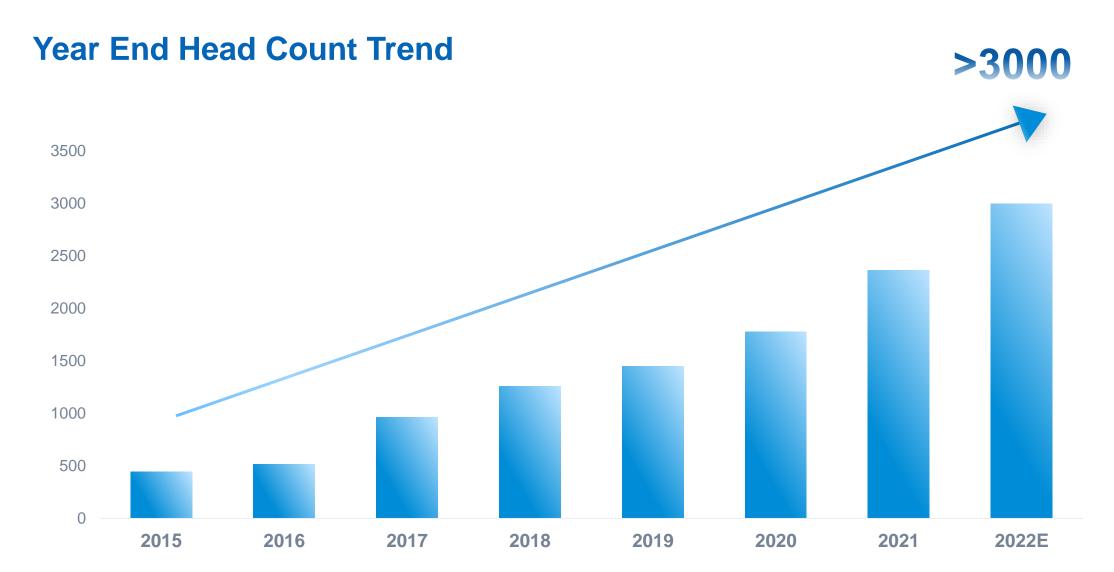
GERMANY



Munich

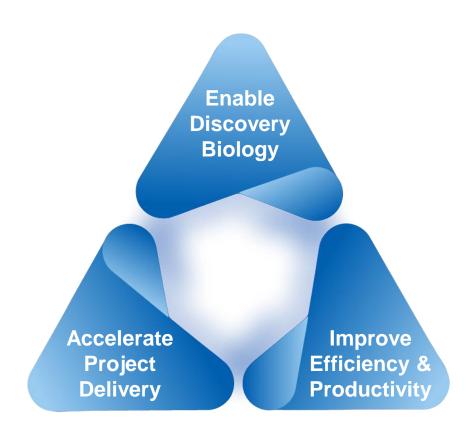


Continuing Expansion of Talent Base





WX Biology: Value to the Customer





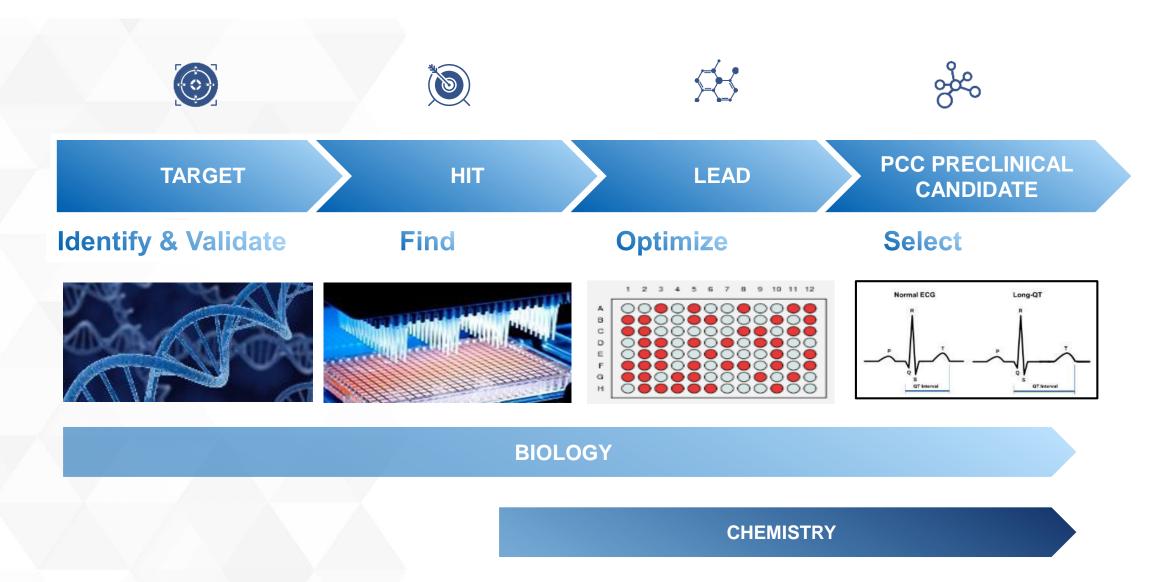








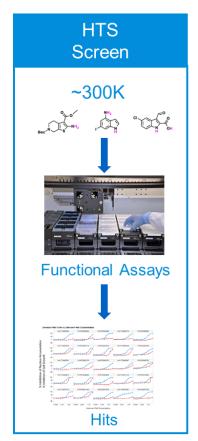
Drug Discovery Typically Starts with Biology



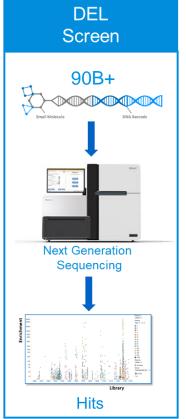


Industry Leading Platform for Hit Identification

Target Hit Lead Candidate IND







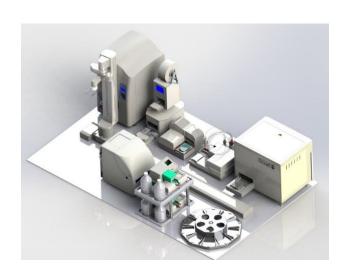


- Hundreds of successful hit finding projects
- Different target types require different hit finding technologies to find the best hits
- Different methods will uncover different chemotypes



Leader in High Throughput Screening







- Largest High Throughput Screening (HTS) center in Asia Pacific
- World class Center of Excellence for Hit Finding with a fully automated Robotic System



- First ever 1536-well throughput in China CRO industry
- Unique WuXi compound Library (no IP restrictions) or customer library
- Designated Screening Center for HTS for several global major pharma companies



Fully integrated with medicinal chemistry, in vitro biology and ADME for lead optimization

>300k
lead like collection

>170 campaigns completed

>20M
data points
delivered in 2021

~ 200M data points delivered in total

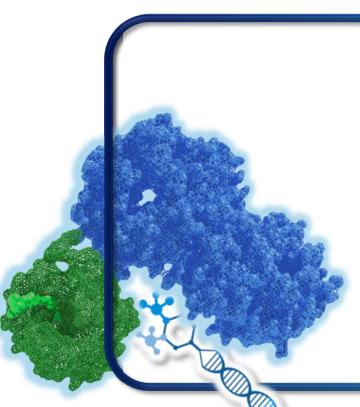


Leader in DNA Encoded Library (DEL) Technology









- Largest global customer base
- Pioneer DEL Kit business model
- Unique WuXi library with drug-like scaffolds
- World renowned academic advisors
- 36 patent applications, with 16 granted to date
- 14 published academic papers
- Strong synergy with WuXi Chemistry capabilities

>90B compounds

>300 libraries

6,000+
proprietary
scaffolds

35,000+ unique building blocks



Comprehensive Platform to Evaluate Drug Candidates

Supporting all Target Classes



GPCRs



Metabolites



Enzymes



Transporters



Ion Channels



Others

Supporting all Therapeutic Areas



Oncology & Immunology



Cardiovascular & Metabolic



Infectious Diseases



Immunology & inflammation



Neuroscience



Lung, Kidney, GI Diseases



Others

Supporting all Modalities



Small Molecules



Biologics



Oligonucleotide / Peptide



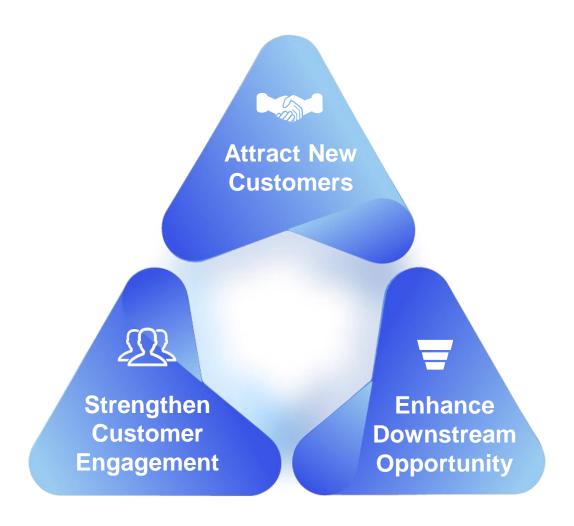
Targeted Protein Degradation



Others

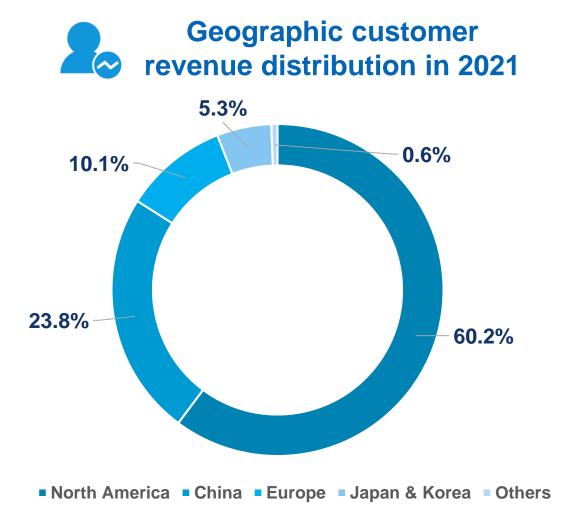


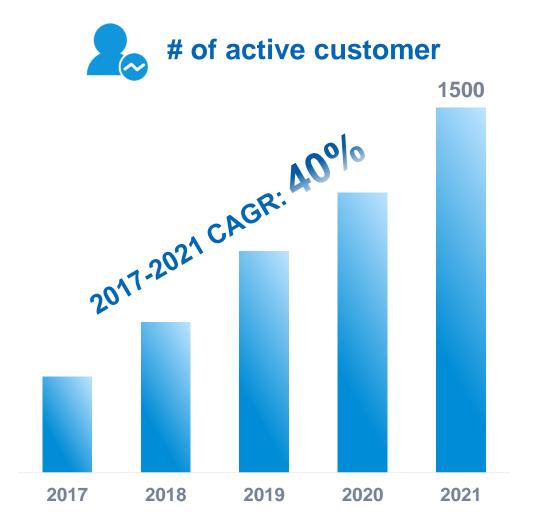
WX Biology: Value to WuXi AppTec Platform





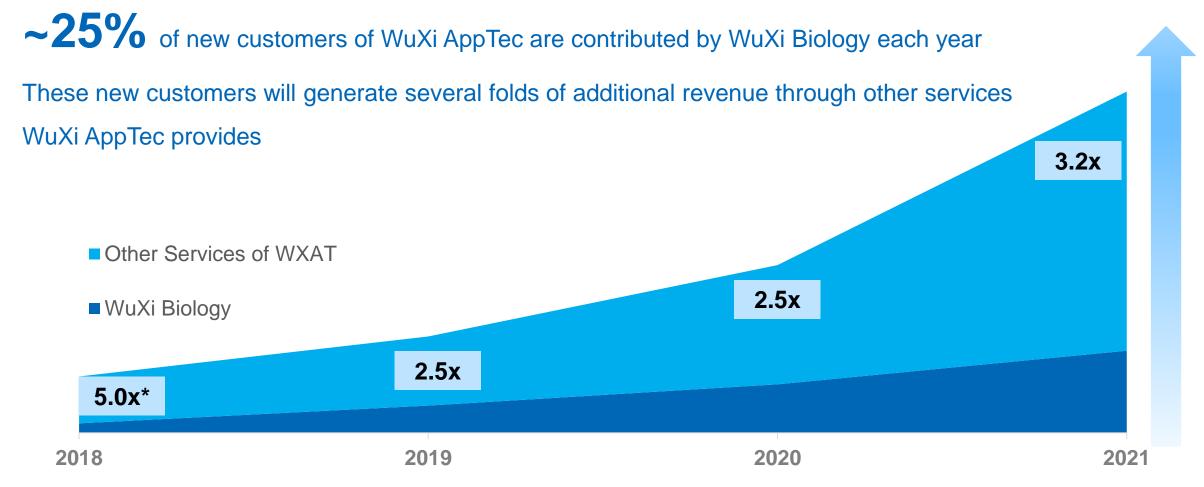
A Global and Rapidly Growing Customer Base







WuXi Biology: Attract New Customers to WuXi Platform

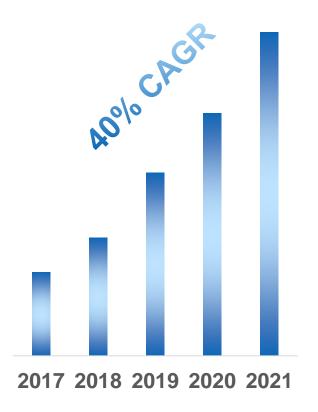




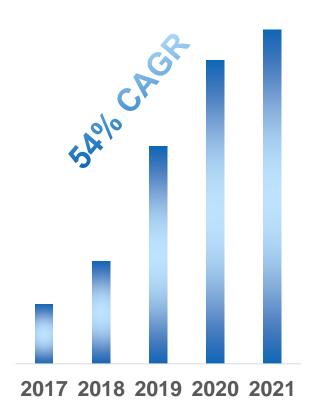


Synergies Between WuXi Biology & Chemistry Enhance Customer Engagement

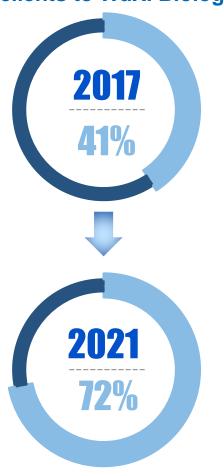
of Customers use both CHEM and BIO platforms



Revenue of customers use both CHEM and BIO platforms



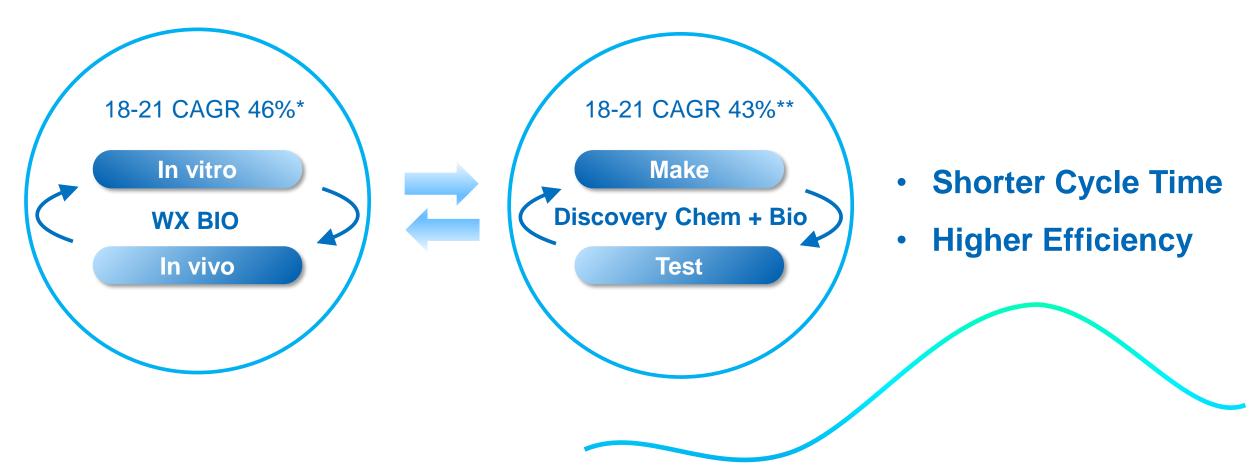
Revenue contribution from CHEM + BIO clients to WuXi Biology







Promote Customer Conversion Within WX Biology & Between Biology and Discovery Chemistry



^{*}BIO Revenue of customers use both in vitro and in vivo platforms



^{*}Discovery Chemistry and Biology Services Revenue of customers use both CHEM (IDSU+CSU) and BIO platforms

Enhance Downstream Opportunity

Case study of enabling client – a COVID-19 project for a top MNC client

one candidate within 11 months





WX Biology: Drivers for Growth





Building New Capacity to Enable Future Growth



2023-2024: ~30,000 m² New Biology Center



2023-2024: ~20,000 m²
Large Animal Pharmacology Center



Operational Resilience through Global Site Network



Note: Capacity under construction



Global Business Development, Marketing and Promotion

US and EU

11 ARTICLE

2 11 WEBINAR

3 25 CONFERENCE

4 200+ SOCIAL POST

5 7000+ NEW LEADS









3 ROAD SHOW



3 23 WEBINAR



5 5000+ NEW LEADS

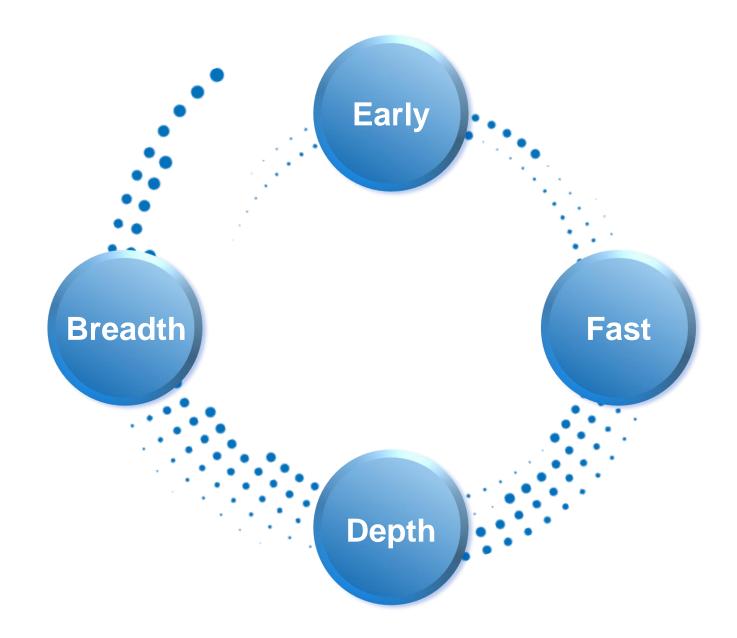






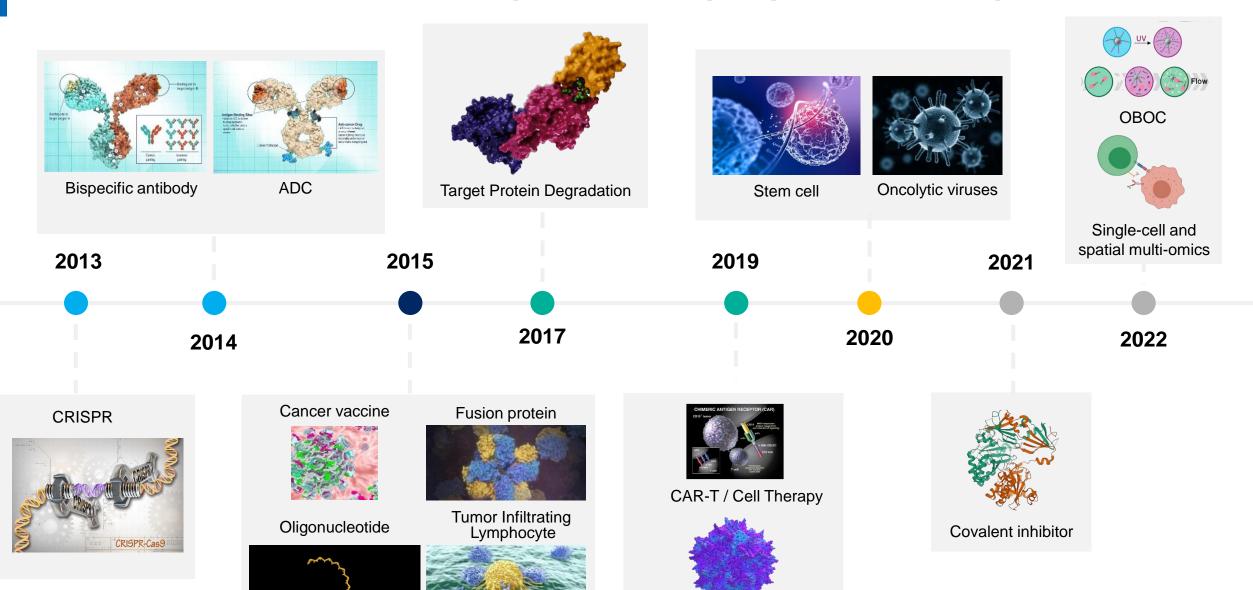


WX Biology: The Flywheel of Capability Building





Early Capability Building in Emerging Technologies



AAV / Gene Therapy



Enable Early Innovation Through DELopen Collaboration with Academic Community



600+
collaborators
from Academic
Community

50+ data exchange

Binder confirm Rate >85%





Ken Westover Ph.D.

Assoc. Prof. UT Southwestern



Matthew D. Disney Ph.D

Chair of Chemistry Dept. UF Scripps



▶ Jianrong Xu Ph.D

Associate Researcher, Shanghai Univ. of Tradi. Chin. Medicine



DELopen discovery of RAS inhibitors



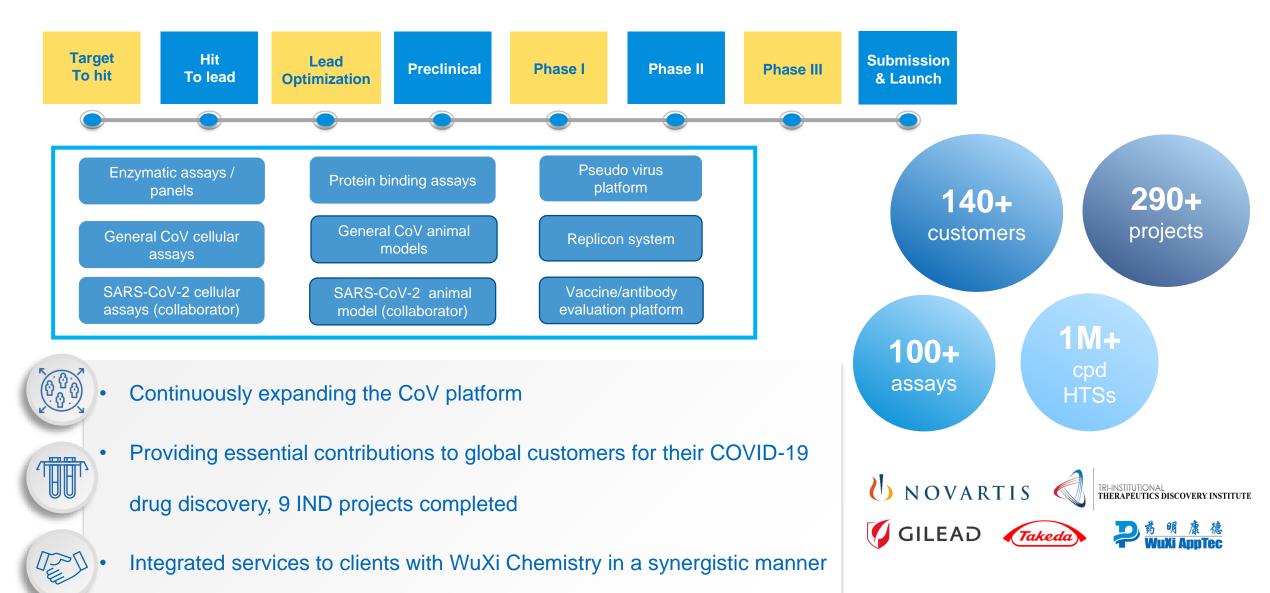
DNA-encoded Libraries to enable design of small molecule RNA degraders



Preliminary DEL screening for GPCR targets

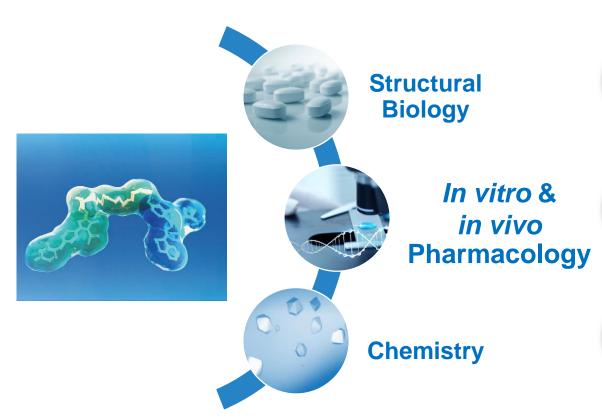


Fast Capability Building: COVID-19 Drug Discovery





Depth in Capability: Targeted Protein Degradation





- One of the **most integrated** biology platforms in Targeted Protein Degradation discovery
- Comprehensive in vitro and in vivo assay/model combination



Strong synergy with the largest Targeted Protein Degrader synthesis/purification discovery team worldwide in WuXi Chemistry



- Offer tailored research strategy support
- Expanded to more novel TPD types (LYTAC, ATTEC, DUBTAC, etc.)

Scope
all discovery steps
in Biology

>5 Year experience

>60 Clients
accumulated

>250 Projects

delivered

>50 targets

Tailored
Scientific
Support



Depth in Capability: ADC



Comprehensive set of ADC characterization services
 Project enabling from in vitro analysis, in vivo pharmacodynamics to translational biomarker evaluation



- ADC affinity evaluation
- Internalization assays
- Cytotoxicity and Fc-mediated cytotoxicity
- Bystander killing evaluation

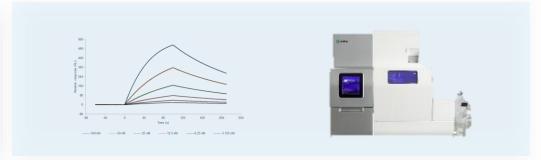


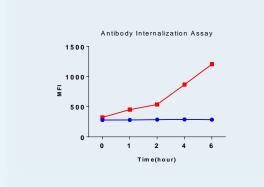
- Efficacy and pharmacology evaluation in CDX / PDX / syngeneic / humanized model
- Biomarker evaluation at both cellular and tissue levels



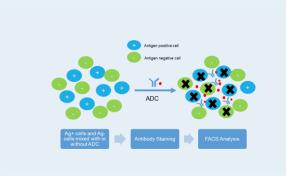
>200 projects

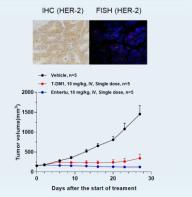
>35 customers













Breadth in Capability: Antiviral Discovery Platform

Target Hit Lead Candidate IND



- A world class antiviral platform, with dominant capabilities and capacities in HBV, SAR-CoV-2, and other viruses
- Integrated drug discovery services from establishment of assays to support of clinical trials

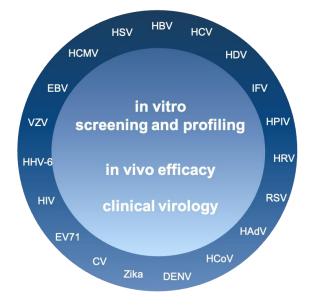


- >20 different viruses
- Capabilities to support the discovery of antiviral drugs, and prophylactic and therapeutic vaccines



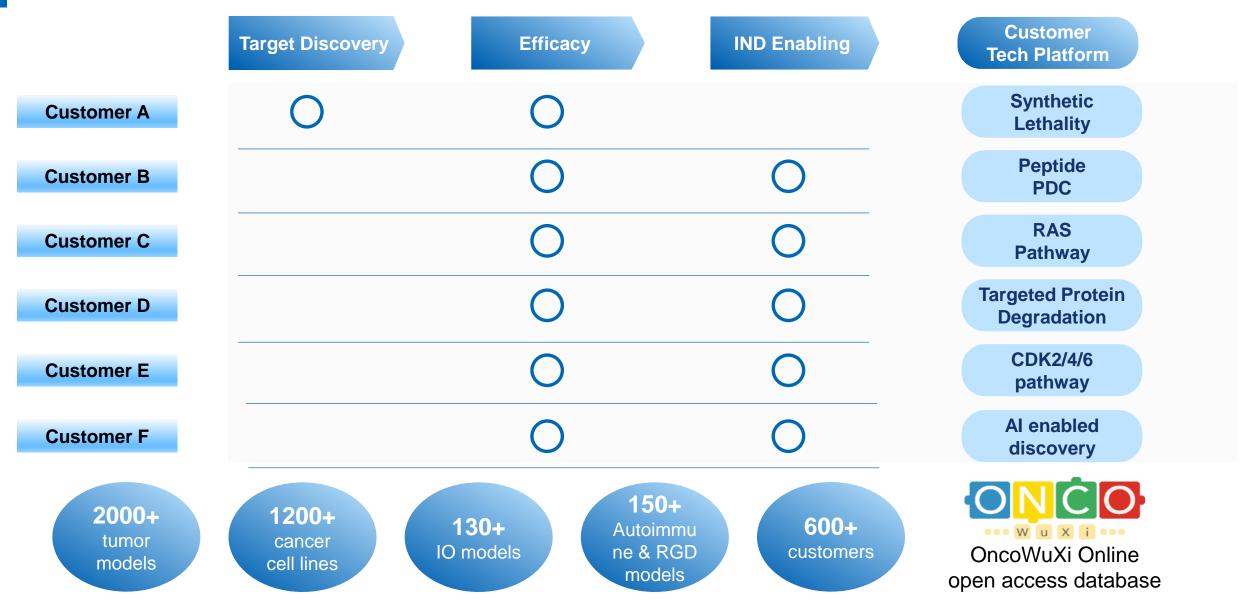
- **Extensive** experience in integrated drug discovery collaborations
- Substantial contributions to the discovery of HCV drugs
- 200+ cumulative clients worldwide for the discovery chronic hepatitis B drugs





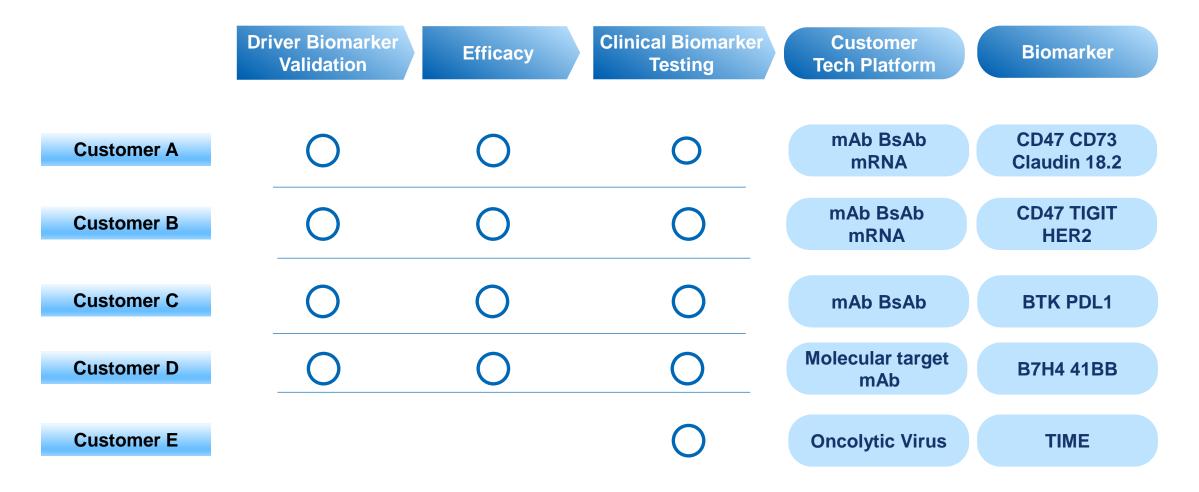


Breadth in Capability: Oncology & Immunology





Breadth in Capability: IO Biomarker Discovery



Tumor tissue immune microenvironment information is key to predict immunotherapy



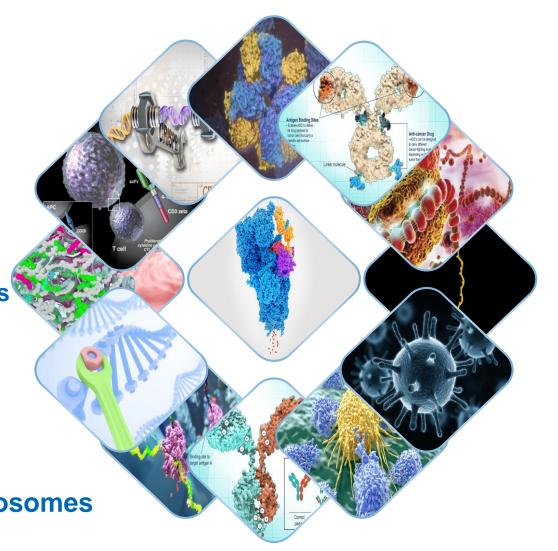
WuXi Biology Capability Building in New Modalities

+67% YOY

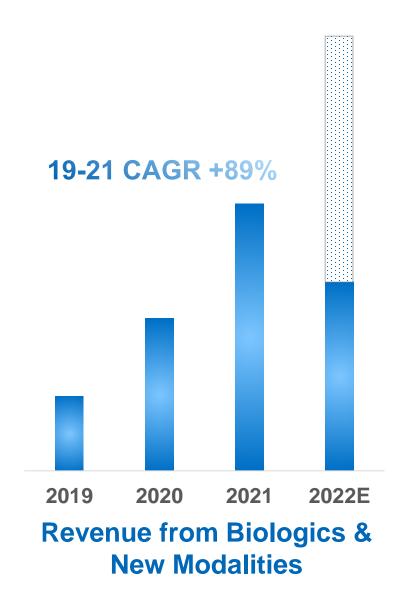
19.0% of total revenue in 2022H1 (14.6% in 2021)

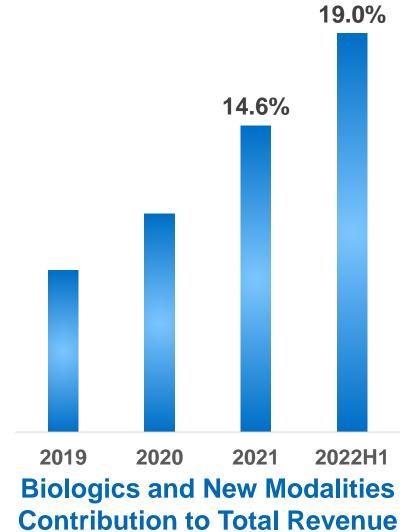
In-vitro/In-vivo Biology Research Service for New Modalities

- Targeted Protein Degradation
- Oligonucleotide/RNA/Antisense
- ADC/PDC/AOC
- Cancer Vaccine/Oncolytic virus/Stem Cell/Exosomes
- Vector Platform/ Novel Drug Delivery Vehicle



Multi-modality Expansion Supports Drug Discovery







One-Stop RNA Discovery Biology Service



• An integrated biology platform for supporting the discovery of oligonucleotide drugs, including design of sequences, assessment of in vitro and in vivo activities, in vitro and in vivo delivery, immunotox and other early toxicity assays, as well as off-target effects



 Established mRNA discovery platform from design of sequence, production of research-scale mRNA to in vitro and in vivo studies for optimization of mRNA drug candidates



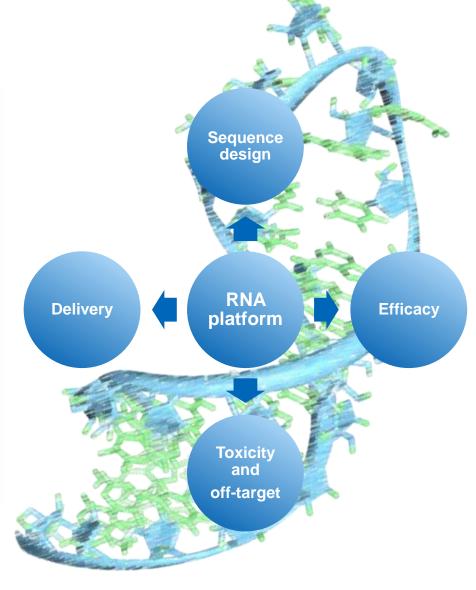
Synergy with WuXi Chemistry and WuXi Testing



>180 projects

>70 customers

>50 different targets





WuXi Biology in Summary



 One of the most comprehensive discovery biology enabling platforms 2500+ Biologists and scientific managers ¥ 1091M revenue in 2022H1



- Expertise in all major disease areas and target classes
- Enable discovery of all modalities
- One-stop Target-to-Hit solutions

- Track record of enabling the delivery of hits, leads and PCCs (Preclinical Candidates)
- Track record of enabling the discovery and approval of innovative medicines on the market



- Integrated support from discovery to PCC
- Collaboration with the largest discovery chemistry team in the industry

>72% revenue in 2021 comes from customers using both WuXi Biology and Chemistry platforms



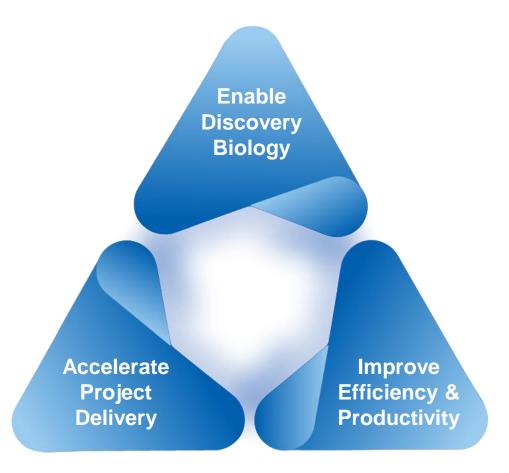
- Lab and animal facility management based on global standards
- State of the art equipment and systems

Entrusted by 18 of global top 20 pharmaceutical companies and >1200 collaborators



WX Biology: Value Propositions

Value to the Customers



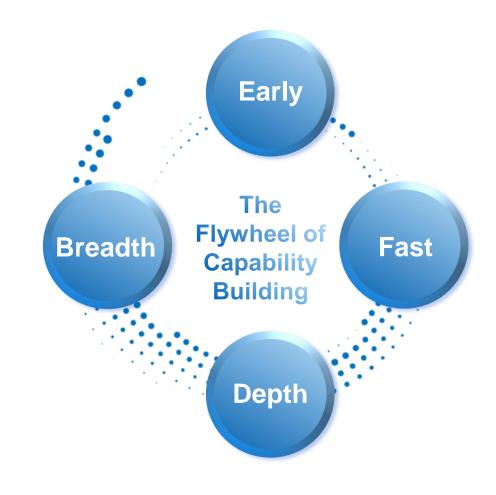
Value to WuXi AppTec Platform





Growth Drivers and Capability Building Flywheel





WuXi Biology Key Growth Strategy

Maintain the leadership position in scale and capability



02 Capture growth opportunities in new modalities



O3 Attract new customers through agile response to dynamic market needs





Continue to collaborate with WuXi Chemistry to enable integrated drug discovery

