

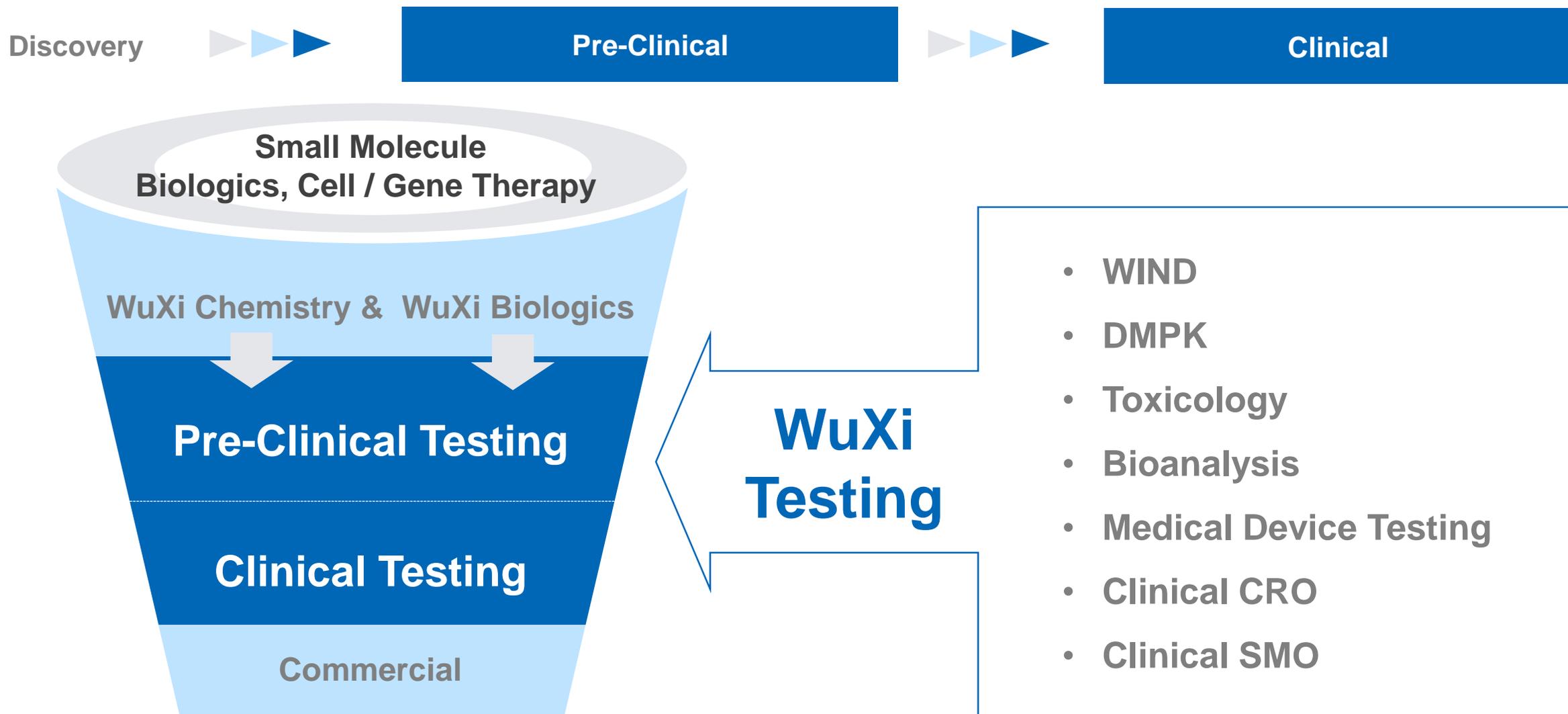


WuXi Testing: End-to-End Testing Platform

Dr. Steve Yang
Co-CEO

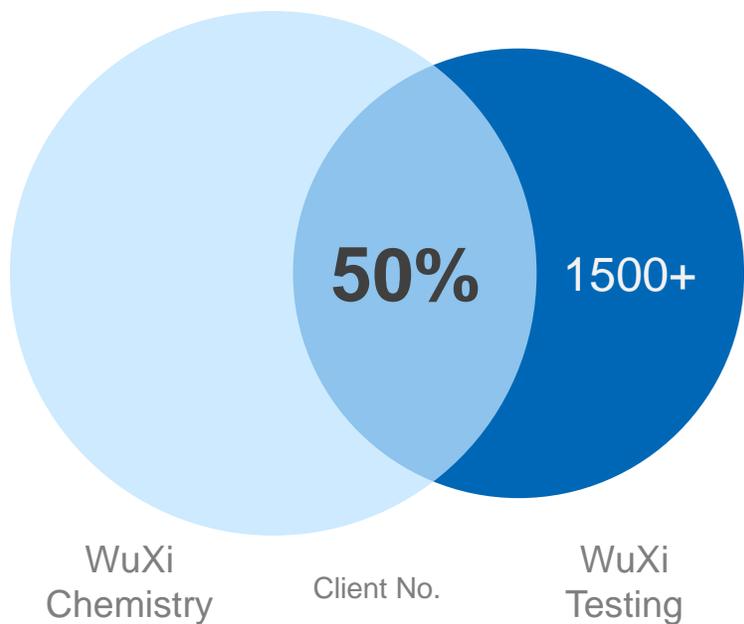


WuXi Testing: C“T”DMO Platform for All Modalities

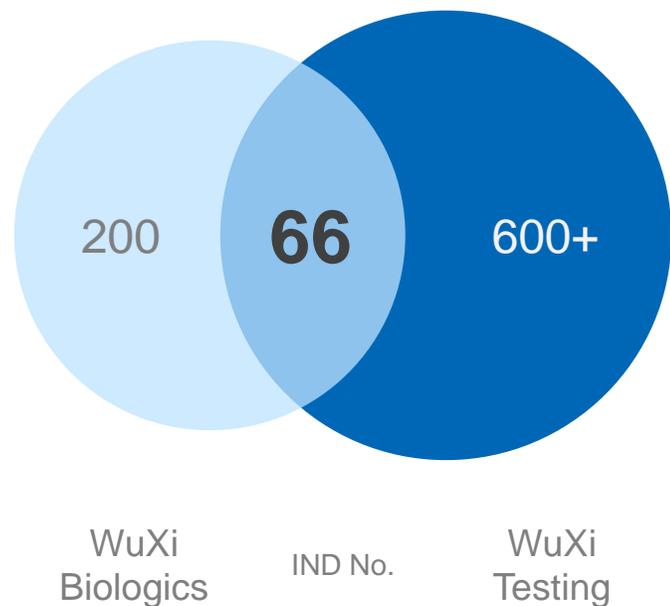


Strong Synergy with WuXi Chemistry and WuXi Biologics

Client Number Overlap between
WuXi Chemistry and WuXi Testing



IND Number Overlap between
WuXi Biologics and WuXi Testing



WuXi Testing: Leadership Team



Steve Yang
Co-CEO
Head of WuXi Testing



Xu Hui
VP, Head of Operation &
Domestic BD



Jin Yi
VP, Head of PM & RA
Chief Scientific Toxicologist



Bill Harrison
VP, Head of Toxicology



Shen Liang
VP, Head of DMPK



Shi Jing
VP, Head of Bioanalytical
Service



Ed Amat
VP, Head of Int'l BD



LAN LI
VP, Head of CL



Johnathan Lee
VP, Head of WuXi Clinical



Reako Ren
VP, Head of SMO



Michael Hui
VP, Head of QA



Mike McGrew
VP, Head of Medical Device

A Strong Network of Testing Facilities in China and US

China



Shanghai



Suzhou



Nanjing



Chengdu



Nantong

United States



St. Paul



Atlanta



Plainsboro



Cranbury

Pre-Clinical Platform: The Largest in Asia Pacific

>> 2021 In Use

110,000

m²,
Lab Space

450

#,
Animal Rooms



>> 2023

165,000

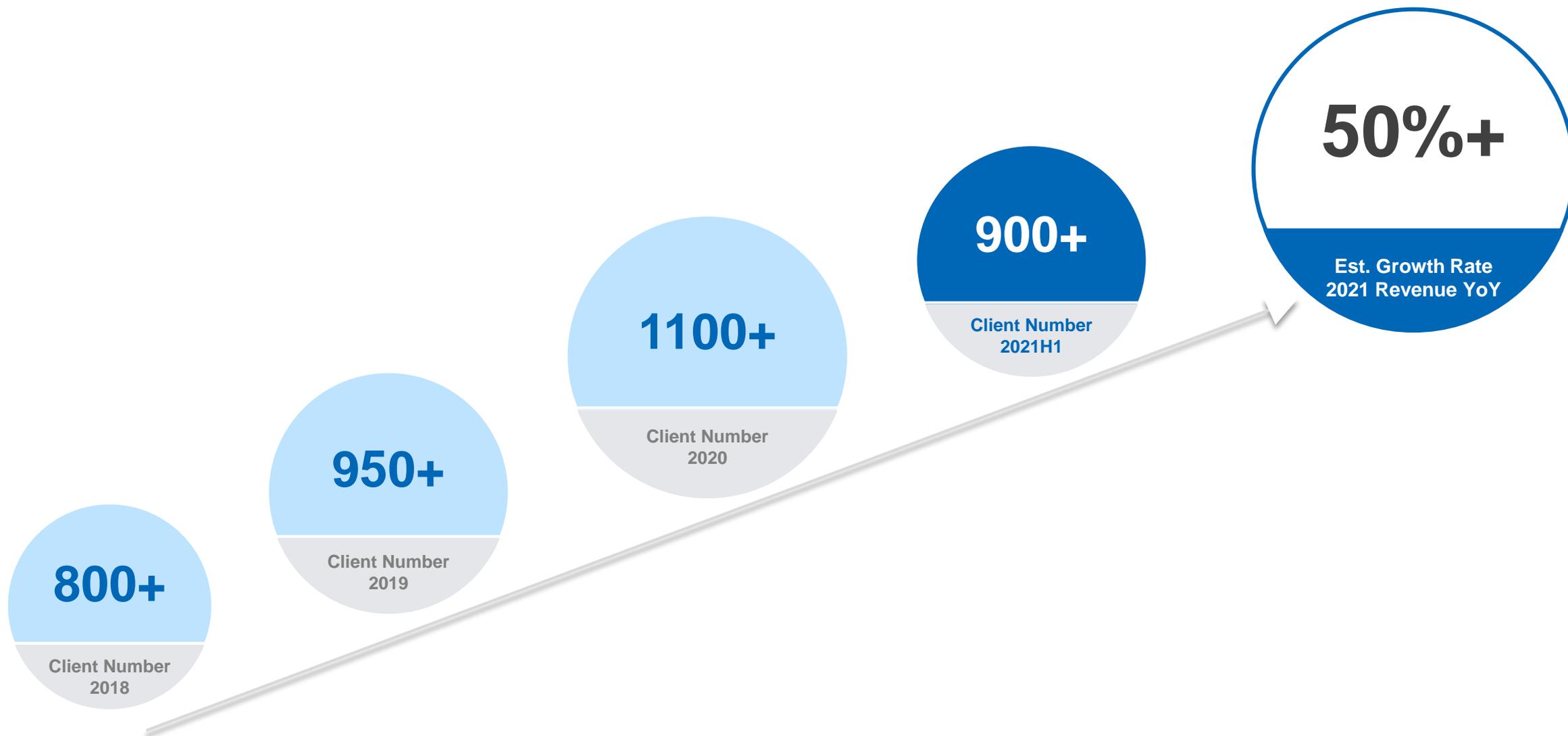
m²,
Lab Space

750

#,
Animal Rooms



Pre-Clinical Platform: The Fastest Growing in Asia Pacific



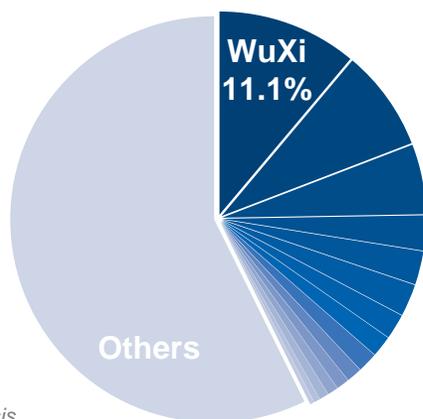
Client Number of Revenue Generation

Pre-Clinical Platform: Growth Acceleration

Historical and Forecasted Market Size of China-based Pharmaceutical R&D Outsourcing Services, 2016-2030E

Period	Discovery	Pre-Clinical CAGR	Clinical	CGT CDMO	Small Molecule CDMO	Total
2016-2020	37.6%	17.3%	22.9%	31.0%	29.8%	25.7%
2020-2025E	26.9%	20.2%	26.0%	51.1%	28.0%	26.6%
2025E-2030E	15.7%	14.0%	16.5%	28.6%	17.0%	16.9%

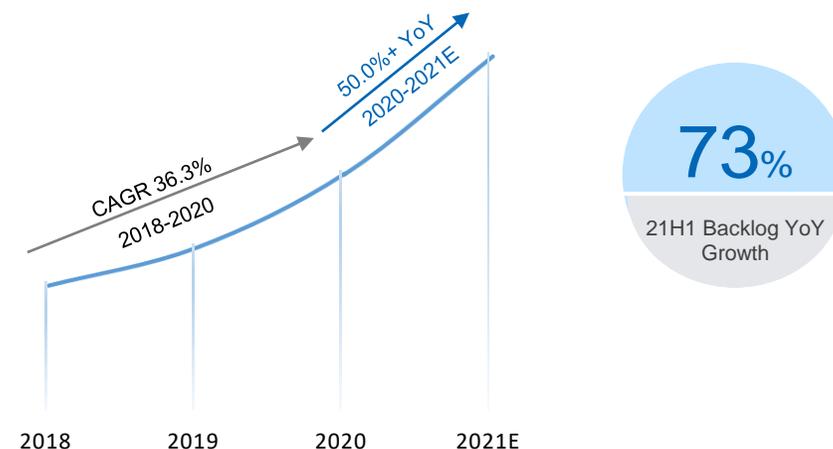
Competitive Landscape of China CRO (Pre-Clinical and Clinical) Market Players, 2020



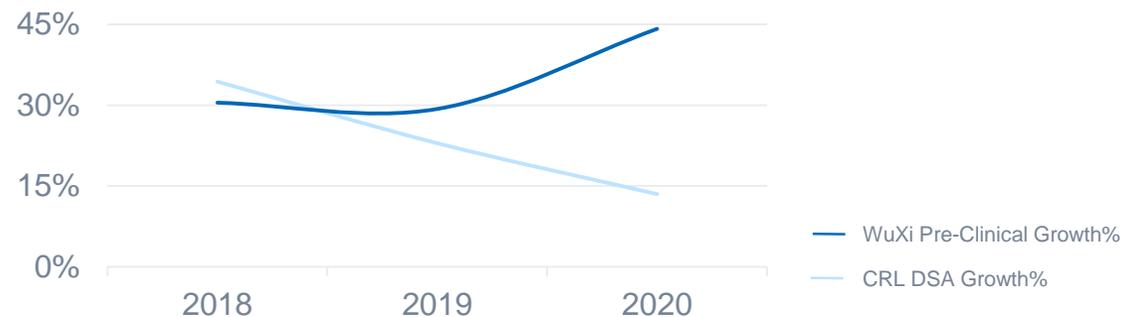
Source from Frost & Sullivan analysis

The Accelerated Growing of Pre-Clinical Testing Business

- In 2021, revenue will be **3 times** as much as in 2018.



- 2018-2020 revenue kept fast growing continuously, the ratio is **~45%** in 2020 especially.



The Largest DMPK Platform in Asia Pacific

Discovery

Pre-Clinical

Clinical



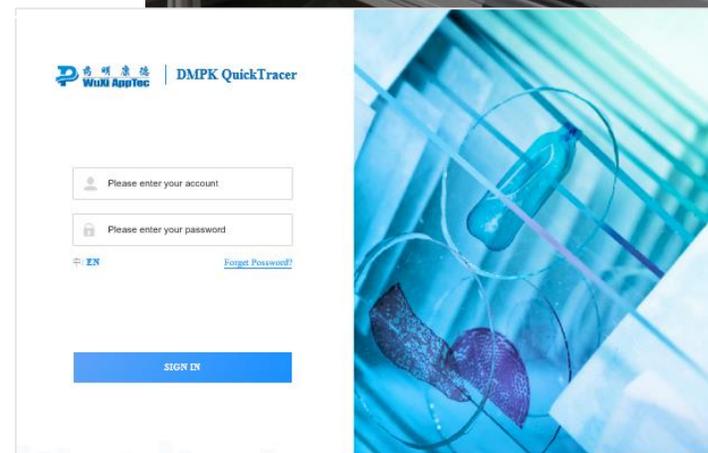
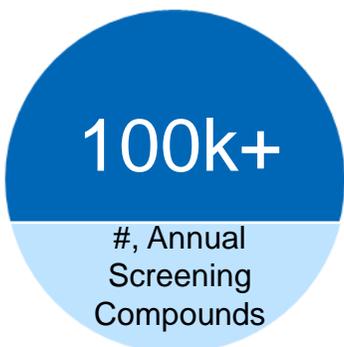
- Growth in capacity: **30,000 m²** in use, and will expand to **50,000 m²** in 2023



- **End-to-end** and integrated DMPK platform with breadth and depth in advanced capabilities
- **Automated, digital, and intelligent** laboratory and user interface



- Seamless integration with Chemistry / Biologics and Biology
- Close collaboration with Toxicology, Formulation, CMC, and Bioanalysis



The Largest Toxicology Platform in Asia Pacific

Discovery

Pre-Clinical

Clinical



- Growth in capacity: **300** animal rooms in use, and will expand to **600** animal rooms in 2023



- **End to end** safety evaluation capability from discovery to post NDA
- Experience with a wide variety of **new modalities**



- Seamless integration through **WIND** (WuXi IND)
- Close collaboration with operation for animal supply



- A strong record of **global GLP compliance**
- Multiple inspections by NMPA, FDA, EMA and worldwide regulatory agencies

21

#, COVID-19
Projects

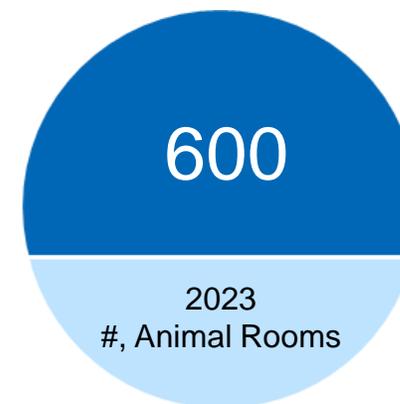
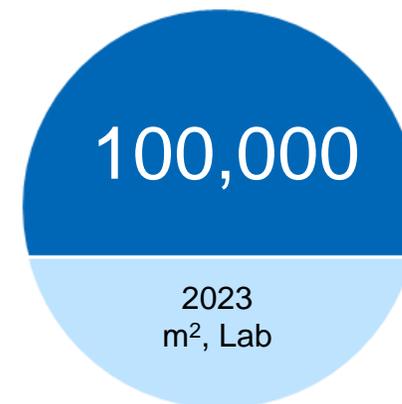
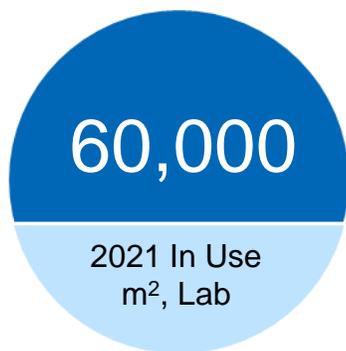
700+

#, On-going
Projects

700+

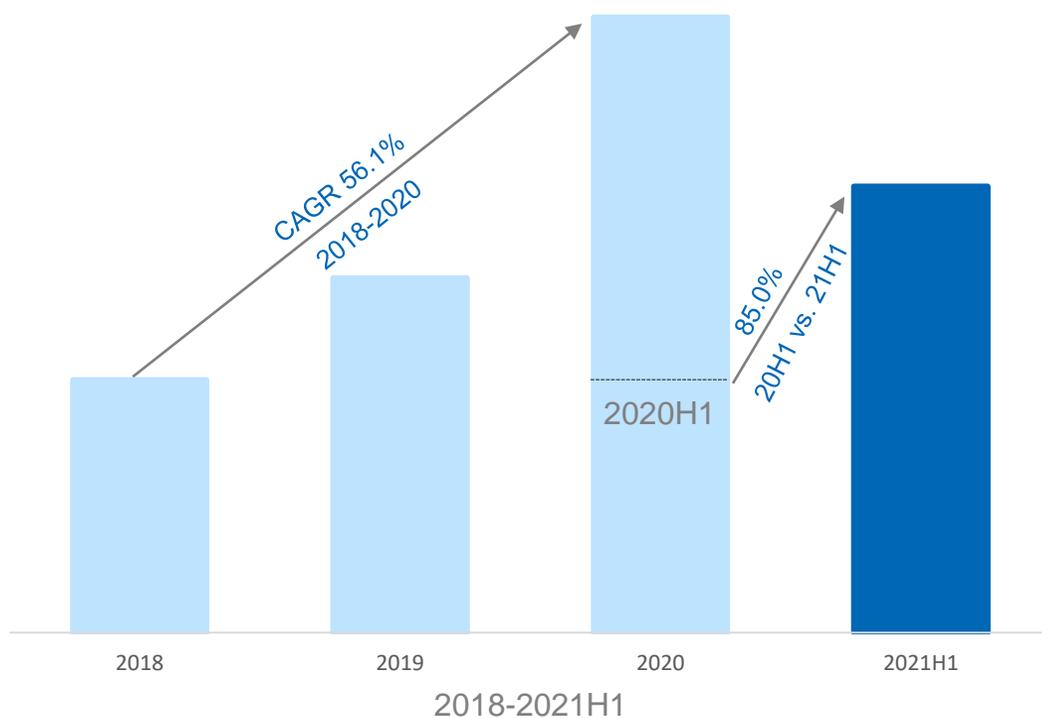
#,
IND/NDA Enabling

Investment to Build New Capacity for Toxicology

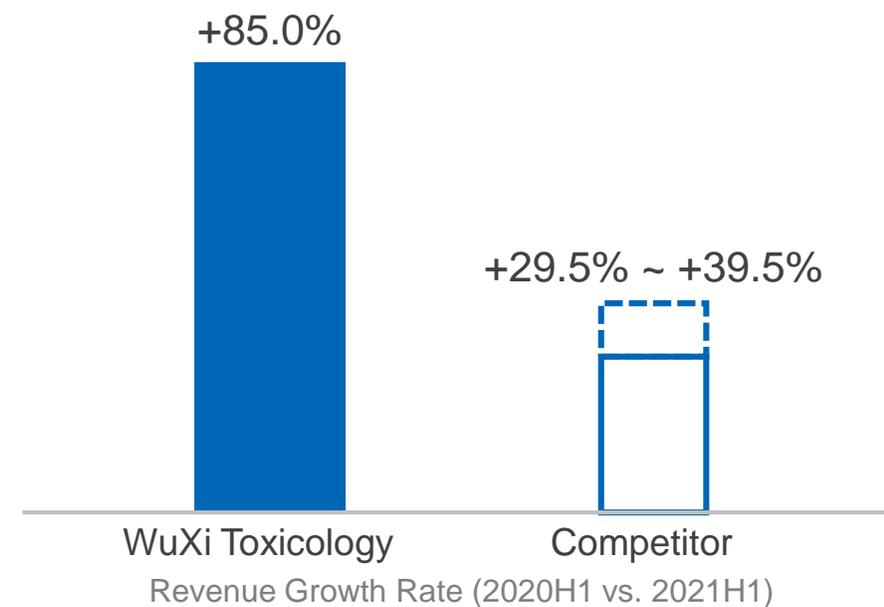


Fast Growing Toxicology Business

Toxicology Business Growth Trends



Competitive Position



The Largest Bioanalysis Platform in Asia Pacific

Discovery

Pre-Clinical

Clinical



- One stop solution to cover the entire drug R&D life cycle



- Leading capability in new technologies and new modalities
- A track record of supporting new drug approvals



- Close collaboration between the US and China laboratories, to support global submissions and IND, NDA/BLA Seamless integration with Clinical CRO and SMO



- A strong record of **global GLP compliance**
- Multiple inspections by NMPA, FDA, OECD,EMA,PMDA



97

#, Drugs Approval

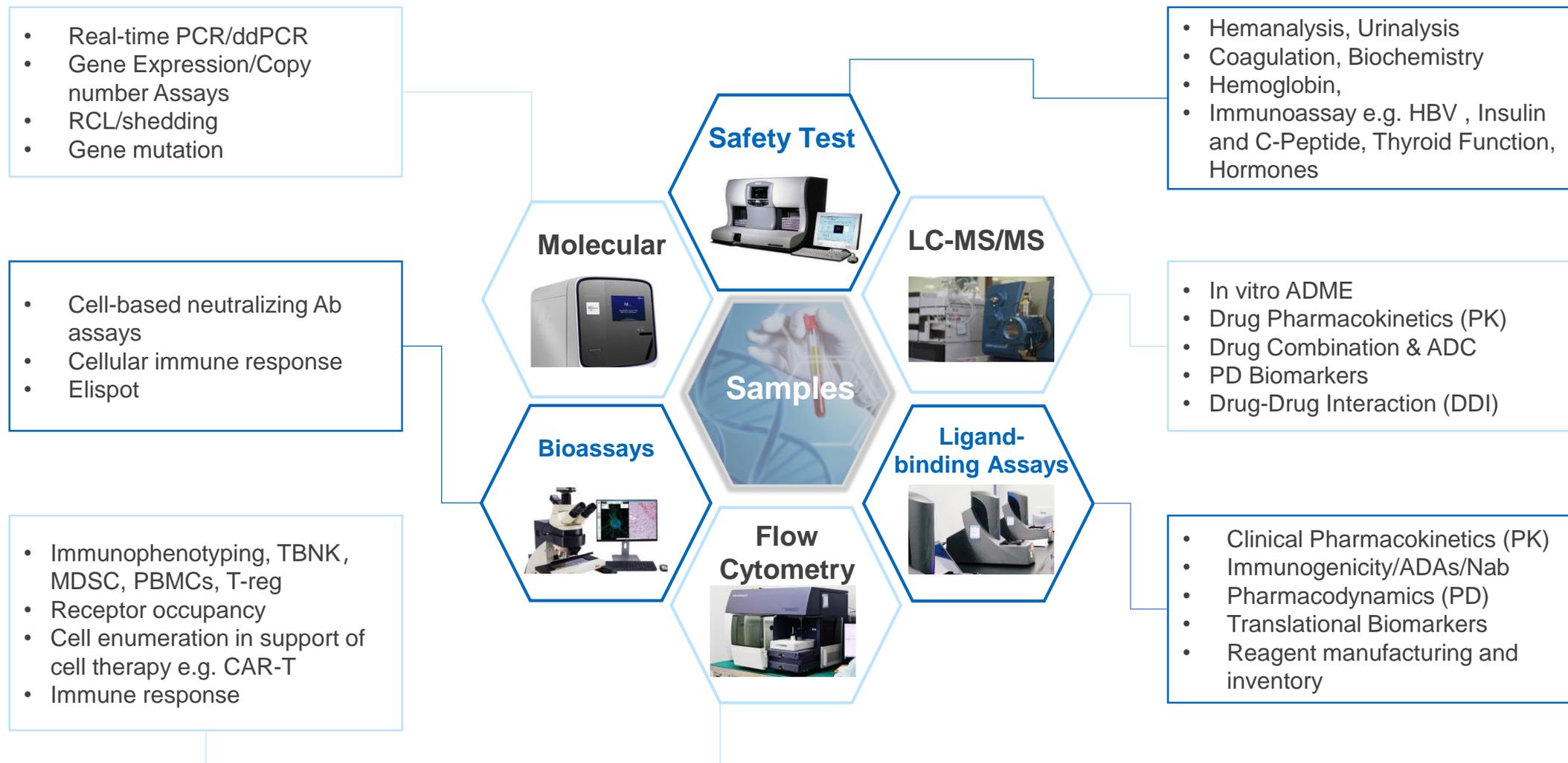
600+

#, Methods
Developed

1st

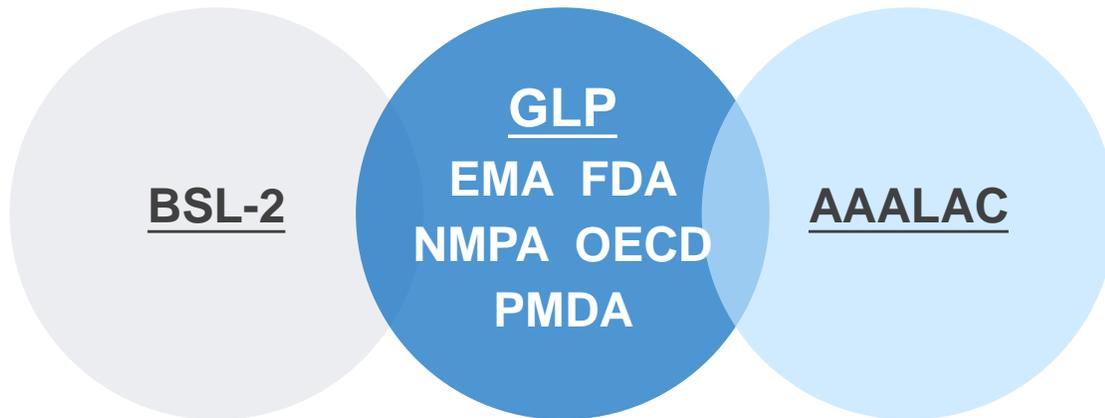
China-made Biosimilar
Approved by EMA

Comprehensive Testing Technology Platforms



The Highest Global Regulatory Standards

Global Regulations

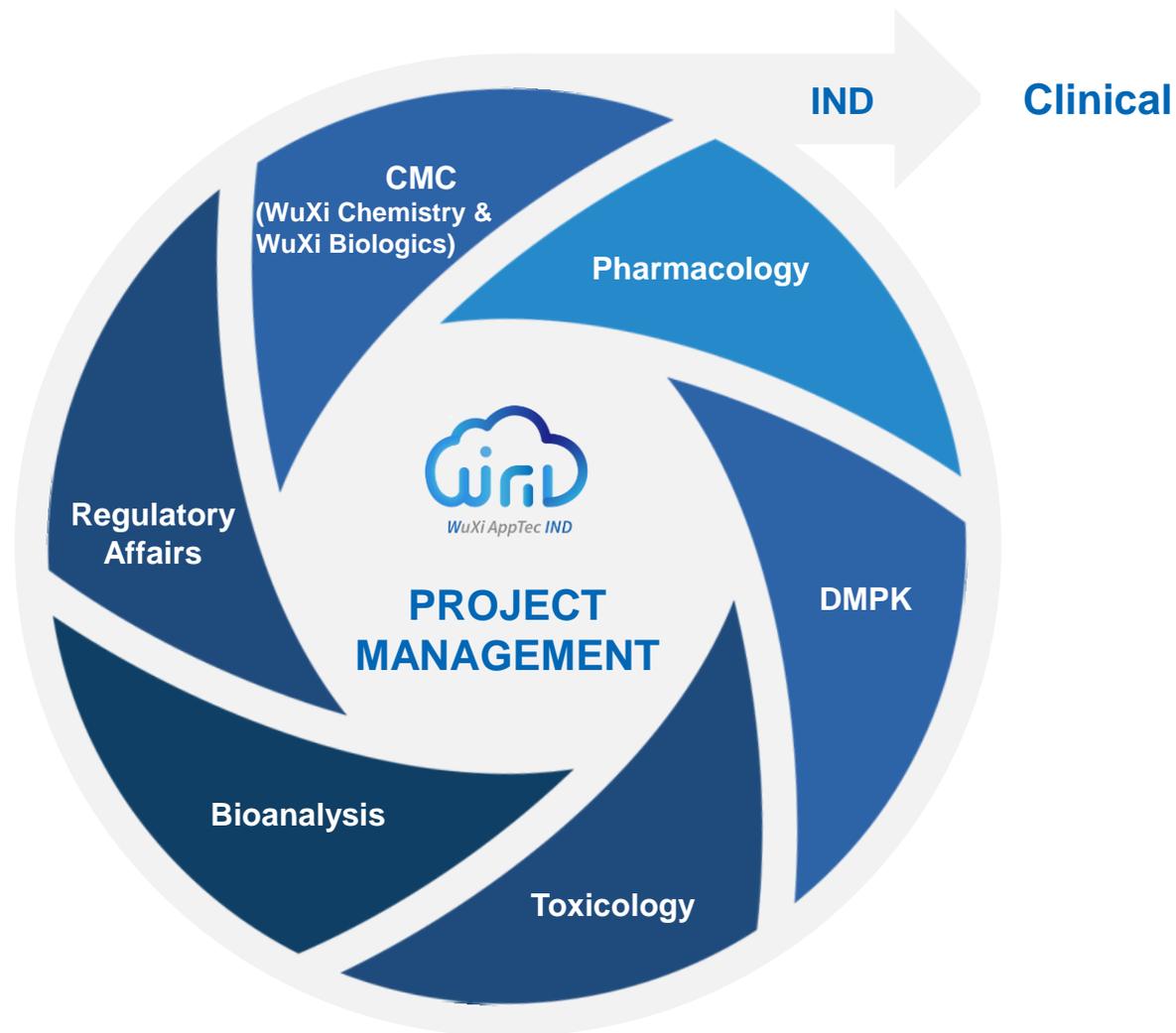


China Based Facilities Certification Inspections

- **11** OECD
- **8** NMPA (CFDA) Certification
- **7** FDA
- **4** AAALAC
- **1** EMA
- **1** PMDA

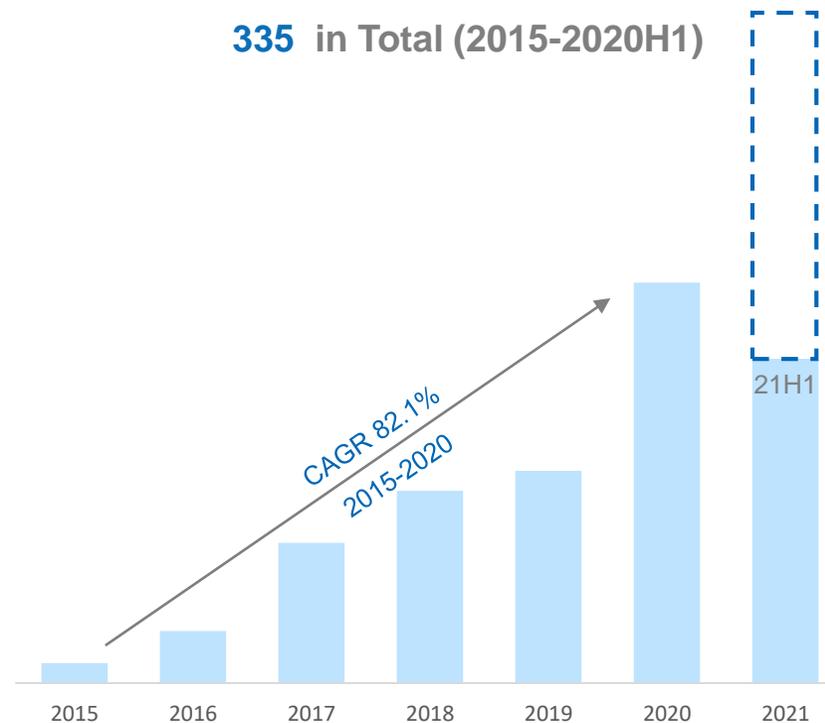


One Stop Solutions for Successful IND and Beyond



Contersigned IND Packages

335 in Total (2015-2020H1)



150 packages were completed including **21** COVID-19 projects, and **48** projects to clinical trials.

Accelerated IND Program to Combat COVID-19

Brii Biosciences

>>> NMPA & FDA

Aug 05, 2021

Brii Biosciences Announces the Completion of Enrollment in the Phase 3 National Institutes of Health (NIH) ACTIV-2 Trial, Evaluating the BRII-196 and BRII-198 Monoclonal Neutralizing Antibody Combina

846 outpatients at high risk of clinical progression have been enrolled in the ACTIV-2 phase 2/3 clinical study, from sites in the United States, Brazil, South Africa, Mexico and Argentina. The participants are being evaluated for the combined endpoint of hospitalizations and death relative to placebo, in the 28 days following treatment.

Source from Brii Biosciences official website



CMC



Safety Evaluation

Safety Evaluation

~6 Months, Saved 2 months

>> Project Timeline:

- From May 2020 to Nov 2020

>> Main Achievements:

- Data used for IND submissions to **China NMPA** and **US FDA**

WuXi Testing Growth and Synergy Opportunities

Follow the Molecule

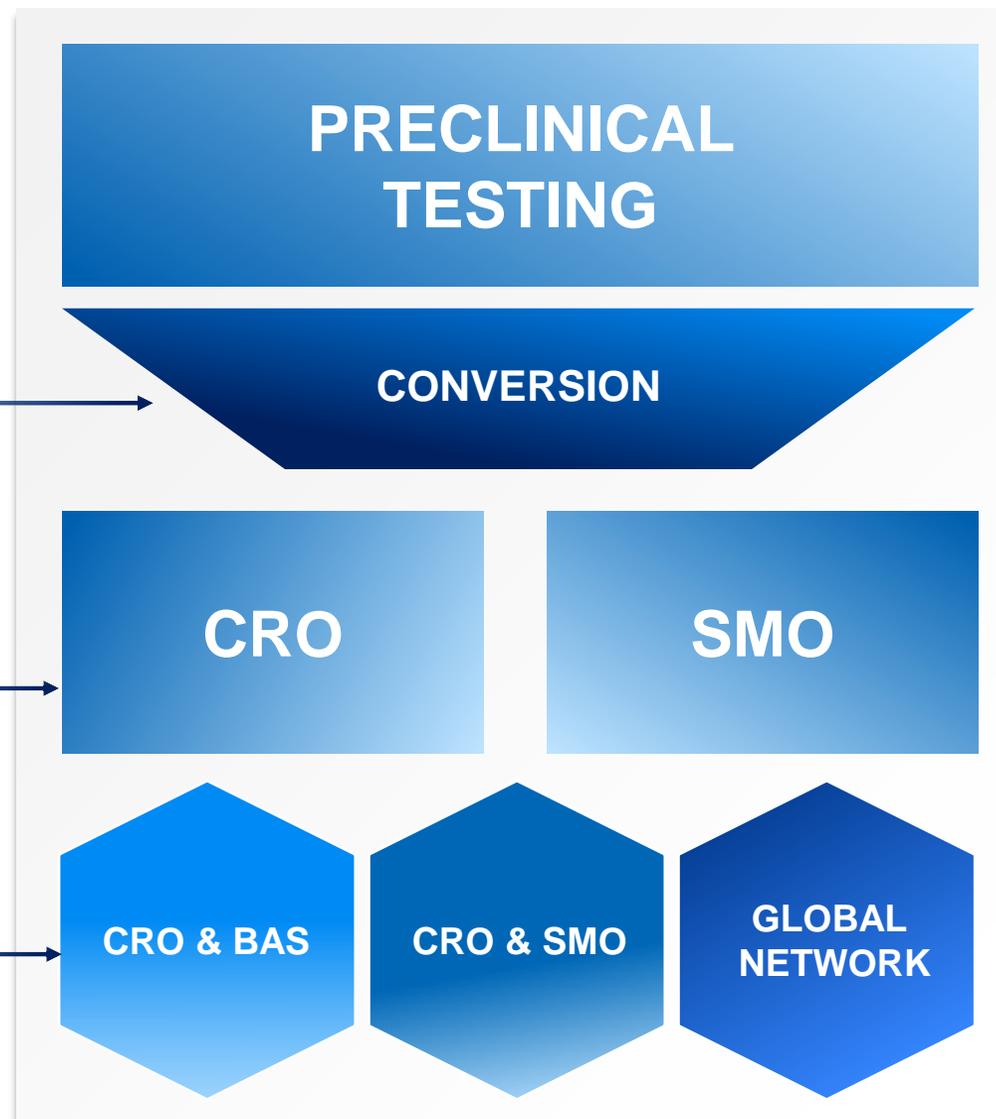
through conversion

Win the Molecule

through differentiation

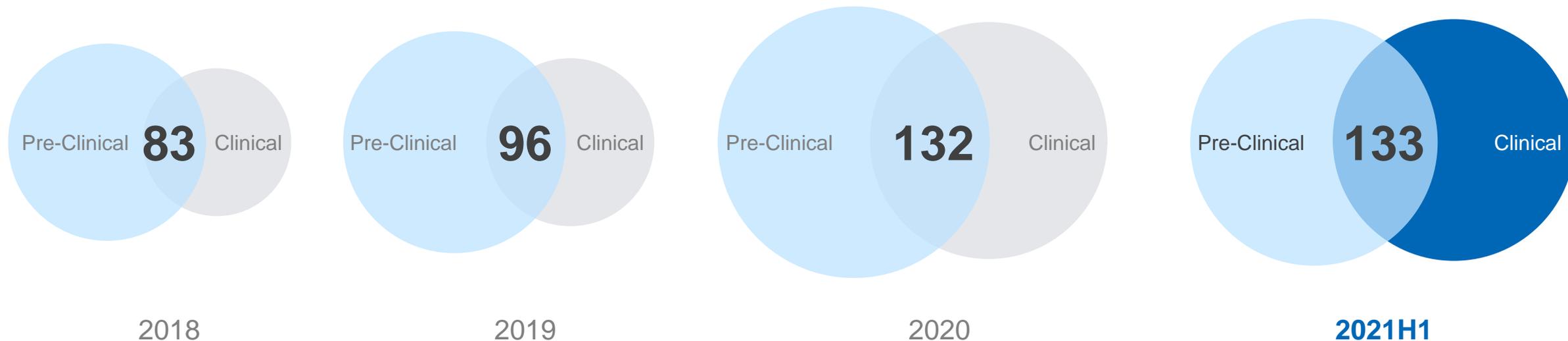
Achieve Synergy

through integration



Synergy between Pre-Clinical and Clinical

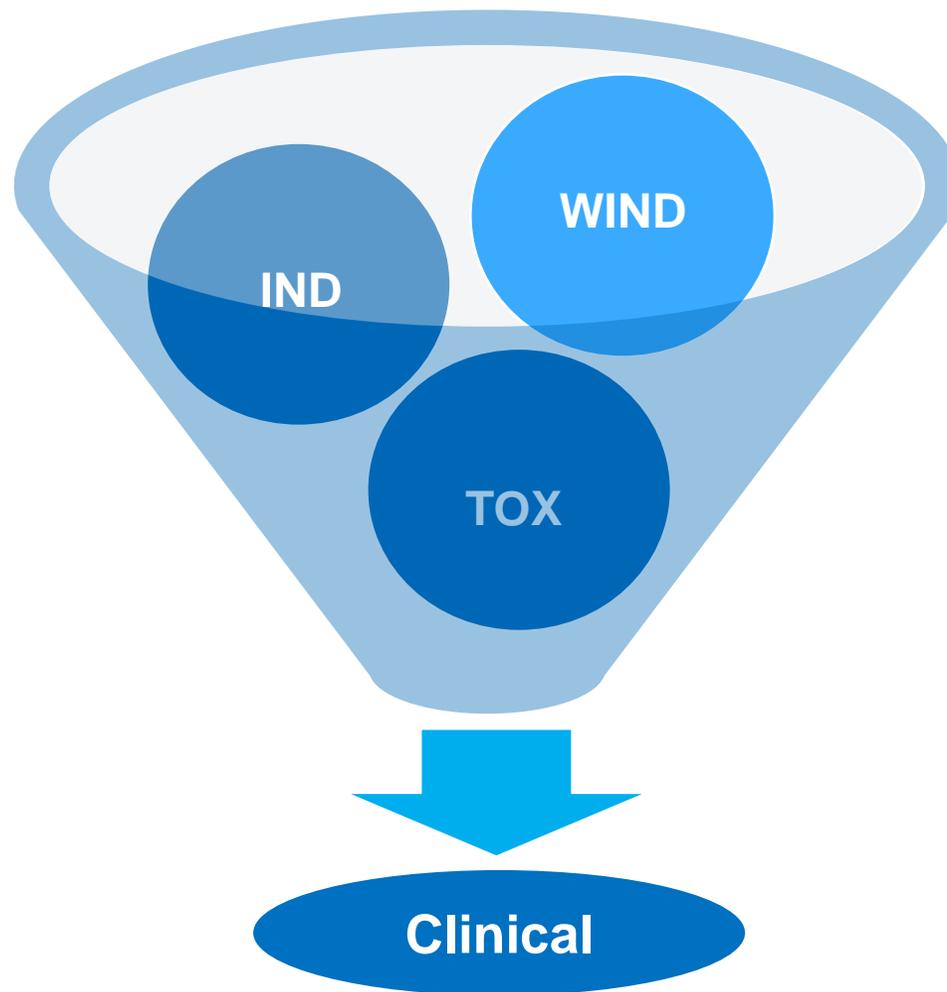
Clients Number of Overlap Greater China between Pre-Clinical and Clinical Testing



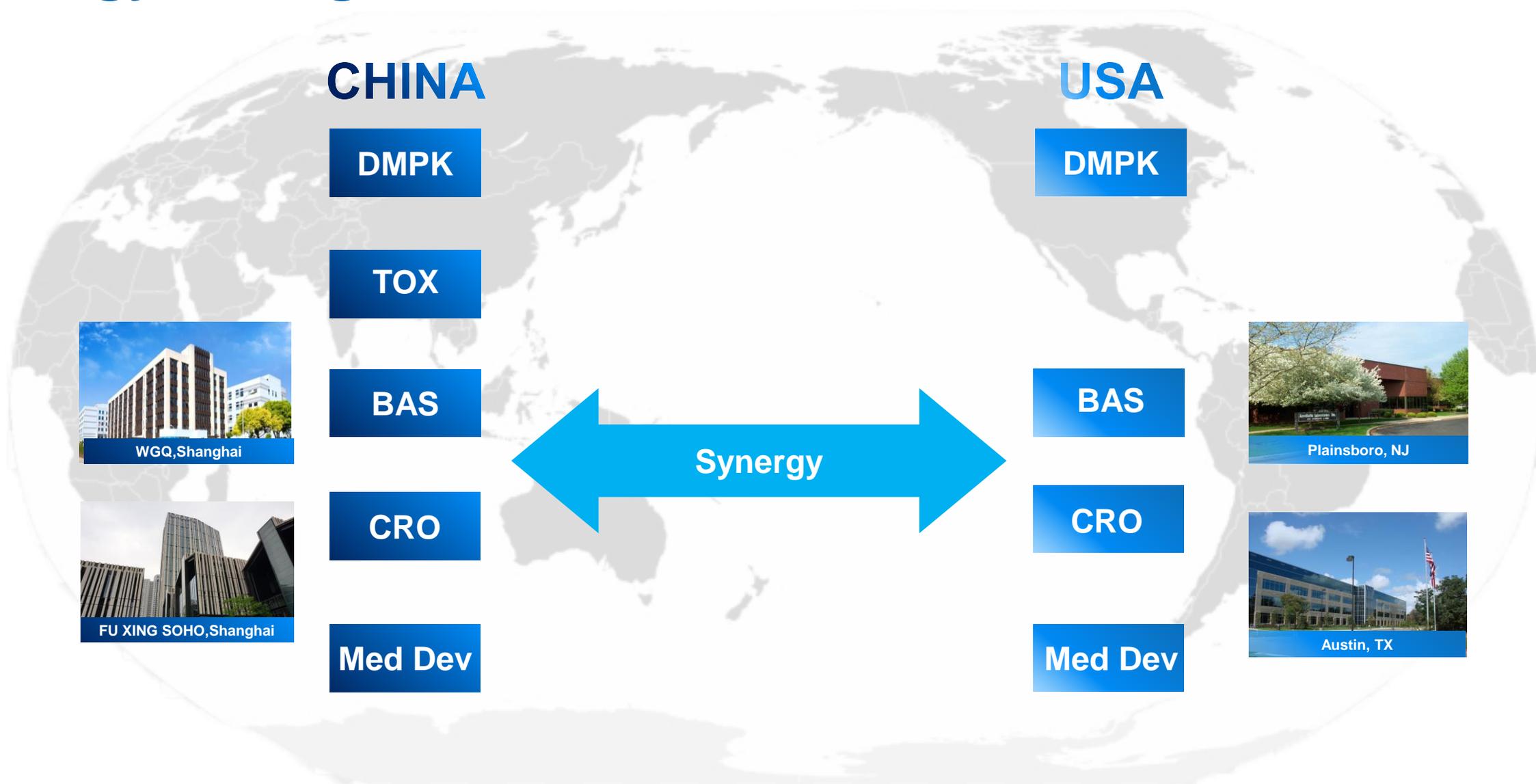
Drive Pre-Clinical to Clinical Conversion



Funnel of Opportunities



Synergy through Global Network



Clinical CRO and SMO Synergy in Operation

 Patient	 Site			 Talent
<ul style="list-style-type: none"> • Accurate projection of patient pool • Efficient patient enrollment 	Operation	Alliance	Decentralized Trial	<ul style="list-style-type: none"> • CRC - CRA transferring path • CRC - CRA cooperation
	<ul style="list-style-type: none"> • Synchronized site management • Sharing data for site selection • Speedy Site Startups 	<ul style="list-style-type: none"> • Enhanced KOL alliance • Expedited operation execution 	<ul style="list-style-type: none"> • Harmonized site management model • Promoted monitoring compliance • Remote monitoring • Streamlined QC 	

SMO: Best Quality Service with Broadest Hospital Coverage

~150

CITIES NATIONAL WIDE

LOCAL CLINICAL RESEARCH TEAM

SMO: Strong Site Database and Management Data

01. Hospital Management

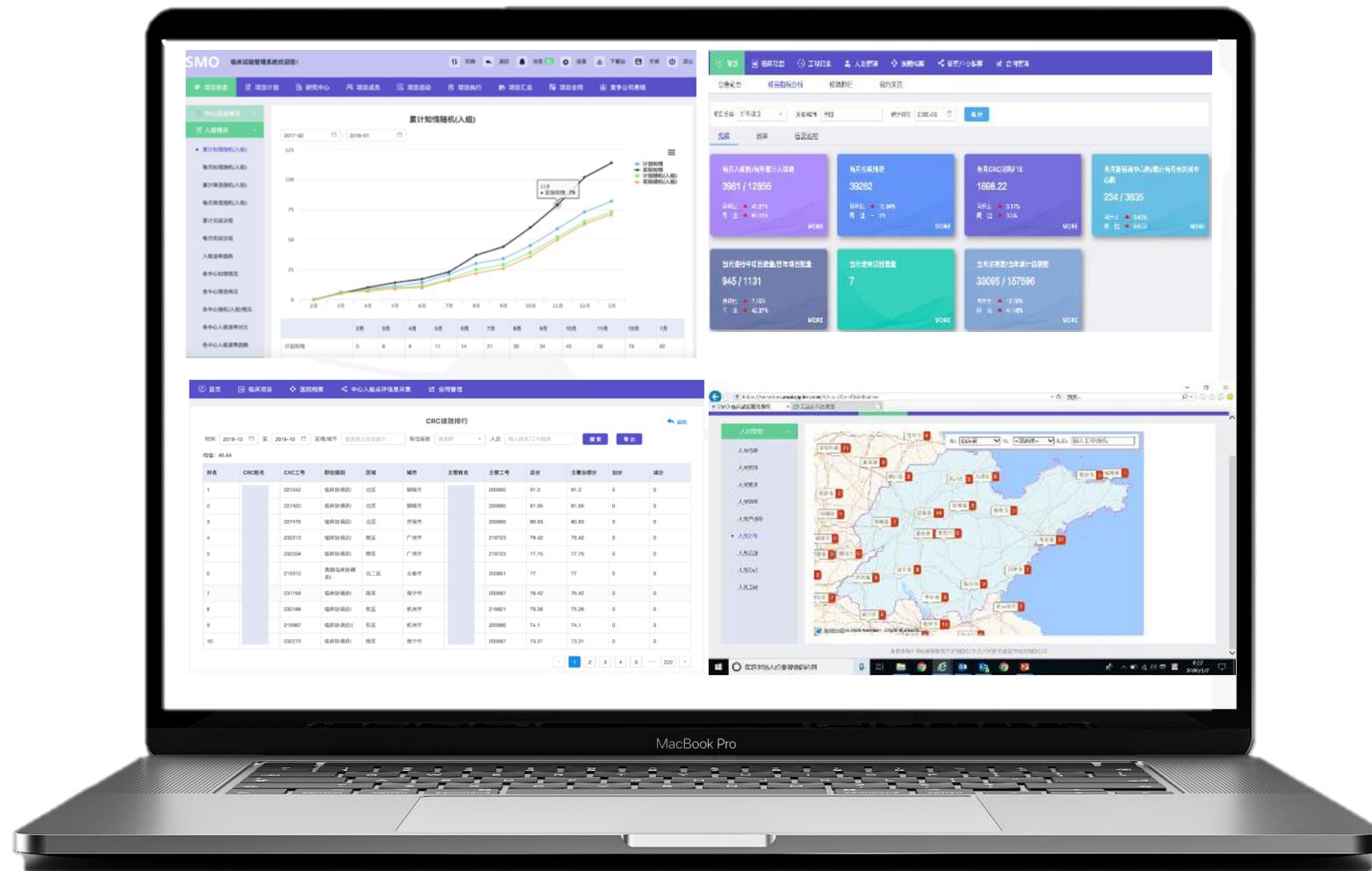
~**1000** hospitals, a database of over 2,000,000 pieces of site start-up procedure items, 8000 site departments and investigators, **80,000+** patients in management.

02. Project Management

1500+ project experience, Supported 73 new drugs/medical devices approved on China / EMA / FDA market in recent 6 years

03. Personnel Management

4000+ staff, efficient personnel management, resource allocation, performance appraisal



SMO: Enable New Drug Approvals in China

14

approvals
in 2021H1

17

approvals
in 2020 whole year

多纳菲尼

- Zelgen's Donafenib approved in China 2021

曲妥珠单抗生物类似物

- Henlius's Trastuzumab biosimilar approved in EMA 2020

泰他西普

- RemeGen's Telitacicept in China 2021

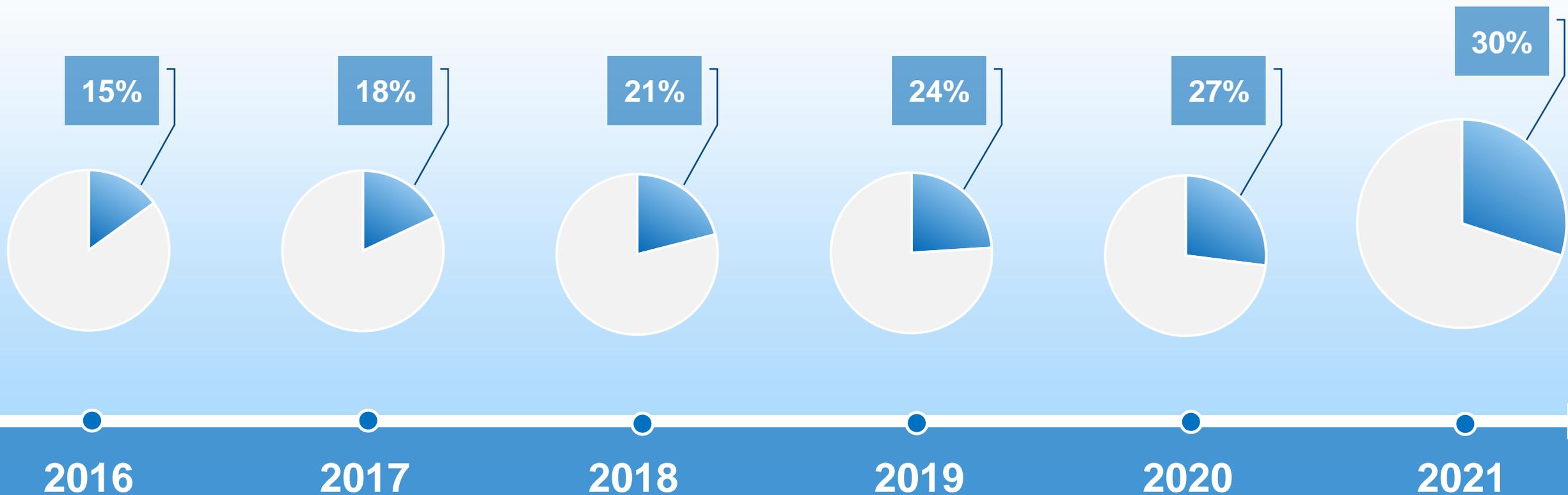
尼拉帕利

- Zai Lab's Niraparib in China 2020

- First PD-1 product in 2018

- First Car-T product approved on China market 2021.

SMO Business Continues to Gain Market Share in China



The Largest SMO in China with Expansion of Leadership Position



WuXi Clinical: Global Clinical CRO Service Platform

WuXi Clinical provides Phase I to Phase IV clinical development services for products including pharmaceuticals, medical devices and IVDs



China

- Shanghai, Headquarters
- Guangzhou
- Beijing
- Changsha
- Wuhan
- Xi'an
- Taipei
- Shenyang
- Chengdu



Australia

- Sydney



United States

- Austin, Texas
- San Diego, California



- Advantages of WuXi AppTec **Integrated** Service Platform
- Covering **30+** major cities in China
- Offices in **12** cities globally
- **850+** employees globally

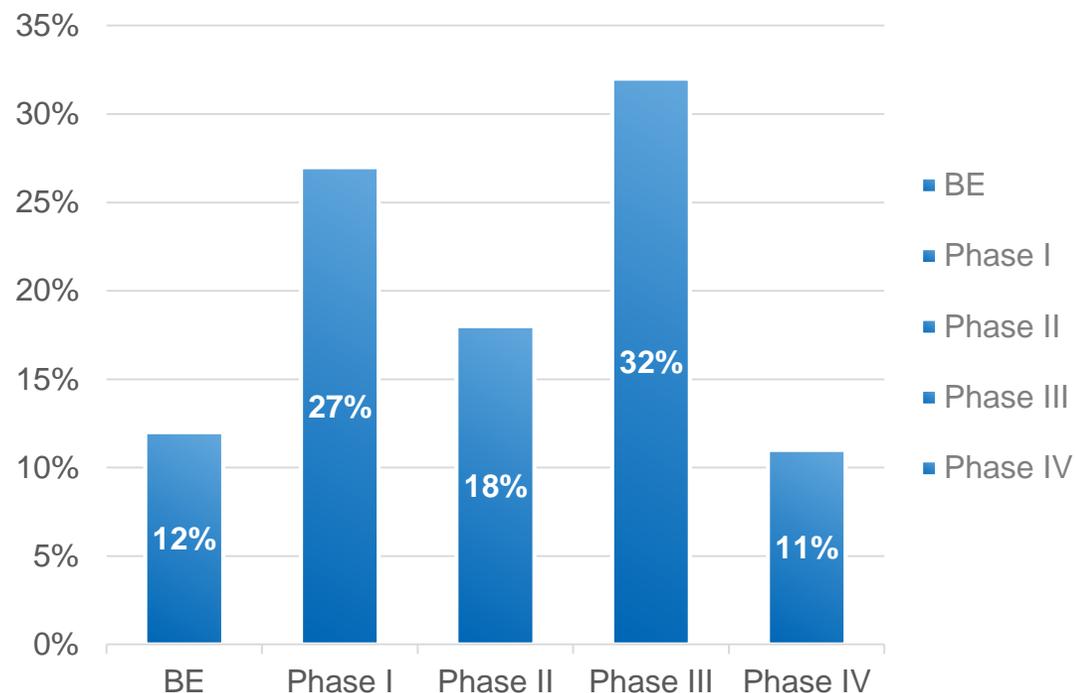
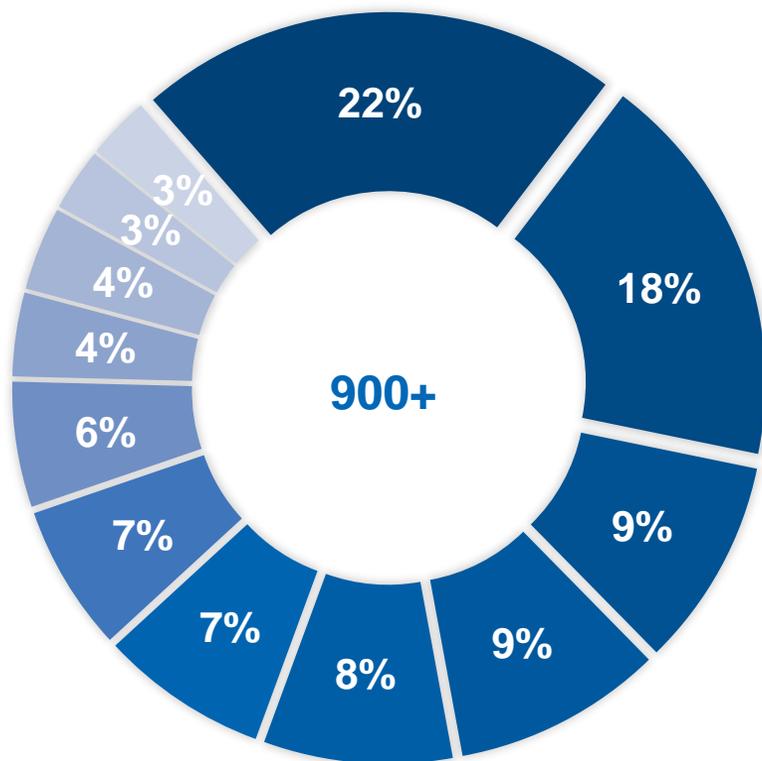
WuXi Clinical: Therapeutic Area Experience

900+ projects of global clinical trials by China and US team

Supported 50 + new drug applications (NDA)

Received and passed 30 + inspections by NMPA / CFDA and US FDA in the last 6 years

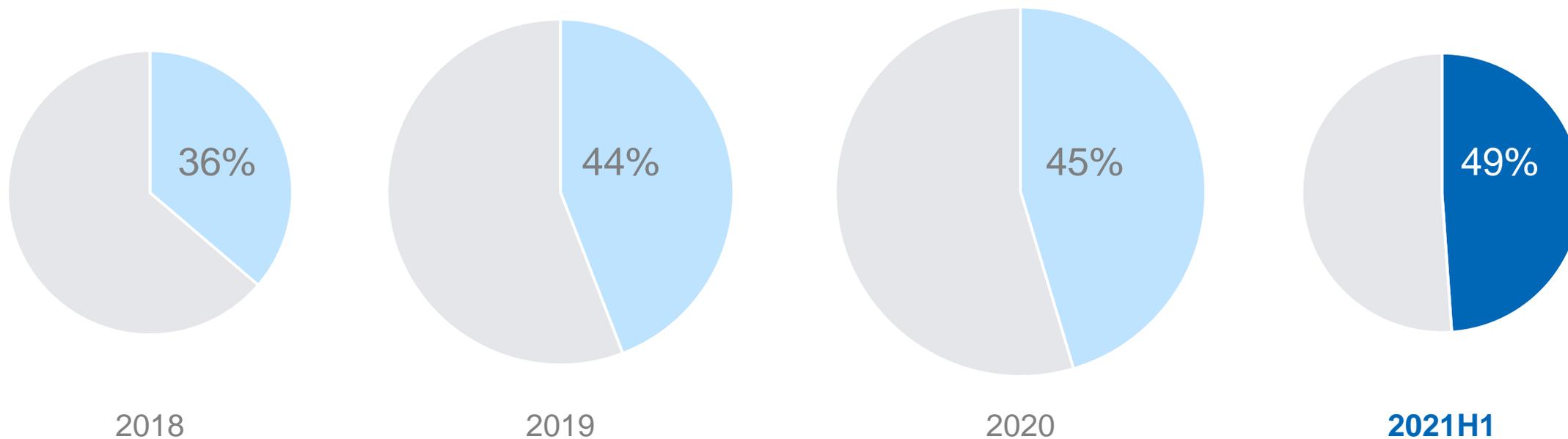
- Oncology
- Others*
- FSP & SS
- CNS / Neurology
- Cardiovascular & Cardio-Metabolic Diseases
- Healthy Volunteers
- Infectious Diseases
- Endocrinology
- Respiratory
- Dermatology
- Hematology
- Genitourinary



* Including Immunology, Gastroenterology, Women's Health, Hepatology, Medical Device and Musculoskeletal

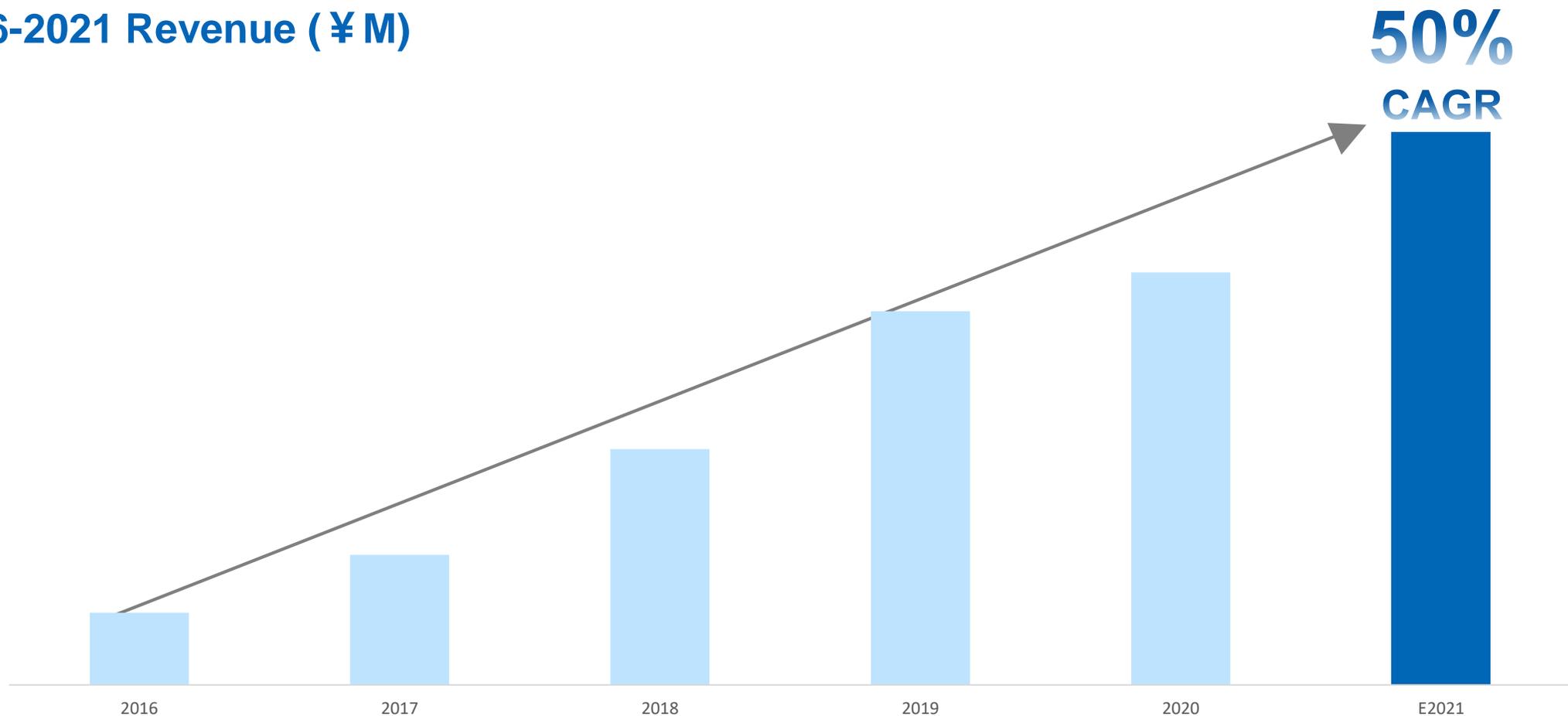
Synergy in Customer between Clinical CRO and SMO

Clients % Overlap Greater China between Clinical CRO and SMO

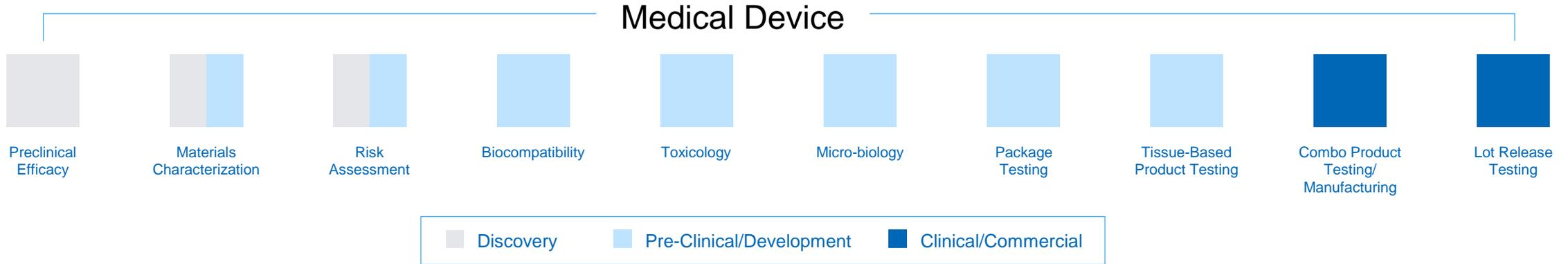


Robust Growth of Clinical Business (CRO+SMO)

CRO+SMO
2016-2021 Revenue (¥ M)



Medical Device: Comprehensive Testing Capabilities



St. Paul facility(1)



St. Paul facility(2)



Atlanta



Suzhou



Enable R&D Innovation through Making and Testing



WuXi Testing



WuXi Testing Key Growth Strategy

