3SBio 2018 Full Year Investor Presentation

March 21, 2019

Disclaimer

This document has been prepared by 3SBio Inc. (the "Company") solely for selected recipients for information purposes only.

You must read the terms, conditions, limitations, notifications, restrictions, acknowledgments and representations in the following (collectively, the "Terms") before reading or making any other use of this document. In accepting the delivery of, reading or making any other use of this document, you acknowledge and agree to be bound by the Terms, and you agree to maintain absolute confidentiality regarding the information disclosed in this document in a manner consistent with the Terms. If you do not accept any of the Terms, in whole or in part, please immediately return this document to the Company.

These materials, and any further information made available to you, are highly confidential and are being given solely for your information. These materials, and any further information made available to you, form part of the proprietary information of the Company and may not be copied, reproduced, redistributed or passed on, directly or indirectly, to any other person (whether within or outside your organization/firm) or published or otherwise disclosed, in whole or in part, in any manner and for any purpose without the prior written consent from the Company. Any forwarding, distribution or reproduction of this document, in whole or in part, is unauthorized.

The information used in preparing this document has not been independently verified and has not been reviewed by any regulatory authority in any jurisdiction. This document does not purport to provide a complete description of the matters to which it relates. No representation, warranty or undertaking, express or implied, is or will be made or given by, and no responsibility or liability is or will be accepted by, any person (for the avoidance of doubt, including but not limited to, the Company and its affiliates, controlling persons, shareholders, directors, officers, partners, employees, agents, representatives or advisers of any of the foregoing), with respect to the accuracy, reliability, correctness, fairness or completeness of this document or its contents or any oral or written communication in connection with this document. In addition, any analyses included herein are not and do not purport to be complete or comprehensive and are not and do not purport to be appraisals of the assets, stock or business of the Company or any of its holding companies, subsidiaries or other affiliates. Even when these materials contain a form of appraisal, it should be considered as preliminary, suitable only for the purpose described herein, subject to assumptions and not be disclosed or otherwise used without the prior written consent of the Company. The information in this document does not take into account the effects of a possible transaction or certain transactions which may have significant valuation and other effects. Nothing contained in this document is, or shall be, relied upon as a promise or representation as to the future or as a representation or warranty otherwise.

Nothing in this document constitutes or forms part of, or should be construed as constituting or forming part of, any regulatory, valuation, legal, tax, accounting, investment, or other advice. Nothing in this document constitutes or forms part of, or should be construed as constituting or forming part of, any recommendation, solicitation, offer or commitment to purchase, sell, subscribe for or underwrite any securities by any party, or to extend any credit or provide any insurance to you or to enter into any transaction, nor shall there be any sale of securities or other transaction in any jurisdiction in which such sale or transaction would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction. Unless otherwise agreed in writing, any third party from whom you receive this document is not acting as your financial adviser or fiduciary. Before you enter into any transaction, you should ensure that you fully understand the potential risks and rewards of that transaction and you should consult with such advisers as you deem necessary to assist you in making these determinations, including, but not limited to, your accountants, investment advisors and legal and/or tax experts. None of the Company and its affiliates, controlling persons, shareholders, directors, officers, partners, employees, agents, representatives or advisers of any of the foregoing shall have any liability (in negligence or otherwise) in respect of the use of, or reliance upon, the information contained herein by you or any person to whom the information herein is disclosed.

The contents of this document are subject to corrections or changes at any time without further notice. The information contained in these materials also contains certain forward-looking statements regarding the Company's intent, plans, beliefs, strategies, and growth prospects as well as the projected growth of China's economy and the pharmaceutical industry, which are based on various assumptions and subject to risks and uncertainties. In light of these assumptions, risks, and uncertainties, the future facts, events and circumstances described in these materials may not occur and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements. The forward-looking statements are not guarantees of future performance. Each of the Company and its and its affiliates, controlling persons, shareholders, directors, officers, partners, employees, agents, representatives or advisers of any of the foregoing assumes no obligation to (1) provide access to any additional information, (2) correct any mistakes or inaccuracies in this document, or (3) update or otherwise revise this document, for any reason whatsoever, including without limitation to reflect new information, events or circumstances that arise, occur or become known after the date of this document.

By receiving or reading this document, you acknowledge and represent to the Company and its affiliates, controlling persons, shareholders, directors, officers, partners, employees, agents, representatives or advisors that (1) you are a "professional investor" as defined in the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) and the rules made thereunder, have the knowledge and experience in financial and business matters, and are capable of evaluating the merits and risks of and conducting your own assessment of the Company and its shares, (2) you are a person into whose possession this document may lawfully be delivered in accordance with the laws of the jurisdiction in which you are located, and (3) you have conducted and will conduct your own investigation with respect to the Company and its shares and have obtained or will obtain your own independent advice relating to the investment in the shares of the Company, and, if located in the United States, are either a "qualified institutional buyer" or an institutional "accredited investor" as defined in the U.S. Securities Act of 1933, as amended, and the regulations enacted thereunder (the "U.S. Securities Act").

No information set out in this document will form the basis of or be relied upon in connection with any contract, commitment or investment decision. Any prospective investor will be required to acknowledge in any purchase contract that it has not relied on, or been induced to enter into such agreement by, any representation or warranty, save as expressly set out in such agreement. This document does not constitute, in whole or in part, an offer or invitation for the sale, purchase or subscription of any security. Any such offer or invitation will be made solely through a prospectus or offering circular in compliance with all applicable laws and any decision to purchase or subscribe for any security should be made solely on the basis of the information contained in such prospectus or offering circular issued in connection with such offer or invitation.

This document contains no information or material which may result in it being deemed (1) to be a prospectus within the meaning of the U.S. Securities Act; (2) to be a prospectus within the meaning of section 2(1) of the Companies (Winding Up and Miscellaneous Provisions) Ordinance (Chapter 32 of the Laws of Hong Kong), or an advertisement in relation to a prospectus or proposed prospectus or extract from or abridged version of a prospectus within the meaning of section 38B of the Companies (Winding Up and Miscellaneous Provisions) Ordinance or an advertisement, invitation or document containing an advertisement or invitation falling within the meaning of section 103 of the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) or (3) to have effected an offer to the public in the United States, Hong Kong or anywhere else without compliance with all applicable laws and regulations or being able to invoke any exemption available under all applicable laws and regulations and is subject to material change without notice. The distribution of this document may be restricted by law, and persons into whose possession this document comes should inform themselves of, and observe, any such restrictions. Any failure to comply with these restrictions may constitute a violation of the applicable securities laws. The Company does not intend to conduct any public offering of securities in the United States, Hong Kong or anywhere else.

Agenda

1. **Welcome and Introduction**

   Dr. Lou Jing, *Chairman and CEO*

2. **R & D Update**

   Dr. Zhu Zhenping, *President of R&D and CSO*

3. **Operational and Financial Review**

   Mr. Tan Bo, *CFO*

4. **Q & A**

Welcome and Introduction

Dr. Lou Jing, *Chairman and CEO*

2018 Highlights – Strong Operating Performance

Investment in Innovative R&D Supported by Strong Operating Performance

Revenue

- **Revenue** increased by approximately RMB 849.5 million or approximately 22.7% to approximately RMB 4,583.9 million.

EBITDA

- **EBITDA** increased by approximately RMB 416.0 million or approximately 28.2% to approximately RMB1,892.8 million.

Rank

- Ranked from **42nd** (2017) to **27th** (2018) among all Chinese pharmaceutical companies according to IQVIA[1]

Note:

1 formerly known as IMS Health

2018 Highlights - R&D

Investment in Innovative R&D Supported by Strong Operating Performance

- Well-positioned **biologics oncology** pipeline (antibodies to HER2, CD20, PD1, VEGF and EGFR)
- Resubmitted NDA application of anti-HER2 antibody **Inetetamab (302H)** to CDE and achieved priority review status
- Completed patients enrollment for Phase I trials of **the anti-EGFR antibody (602)** and is planning for advanced trials
- Received an IND approval from the US FDA for phase I trials of **an anti-PD1 antibody (609A)** in cancer patients
- Completed the Phase III trial of a pre-filled syringe dosage form of **Yisaipu (301S),** and to file for manufacturing approval in H1 2019
- Completed the phase I clinical trial of **a humanized anti-TNF α antibody (SSS07)** in both healthy volunteers and RA patients
- Began patient enrollment of **TPIAO** in hepatic dysfunction surgery patients at the risk of thrombocytopenia
- Received IND approvals for **TPIAO** for pediatric ITP indications
- Completed multiple Phase I clinical trials of **NuPIAO (SSS06)** and obtained approval for Phase II and Phase III clinical trials. Patients enrollment is expected to begin soon
- Completed a phase I trial of **RD001** in healthy volunteers, and will begin trials in anemic patients
- Received IND approvals of **the anti-VEGF antibody (601A)** to conduct clinical trials in patients with macular edema following RVO, mCNV and DME; patient enrollment is ongoing for 601A in Phase I AMD trial

2018 Highlights (Con'd)

Investment in Innovative R&D Supported by Strong Operating Performance

Products and Sales

- **Bydureon** was launched in May 2018 in China as the first-to-market once-weekly therapy for type 2 diabetes in China
- **Fluticasone Propionate Cream** obtained manufacturing approval in August 2017 and was launched in March 2018
- **Tacrolimus Ointment** was approved by NMPA for pediatric indication in February 2018
- **TPIAO** was listed as one of the top 50 best-selling pharmaceutical products in terms of sales value in China's market
- **EPO** was listed in the 2018 National Essential Drug List (NEDL)
- **Leading Commercial Platform** with 3,224 sales and marketing employees focusing on oncology, rheumatology, nephrology, metabolic diseases and dermatology

Strategic Partnering and Licensing

- **Refuge Biotechnologies:** research collaboration to develop novel programmed cell therapeutics
- **Samsung Bioepis:** biosimilar collaboration agreement, including bevacizumab for mCRC and NSCLC
- **Verseau Therapeutics:** an immuno-oncology partnership agreement to develop first-in-class macrophage checkpoint modulators
- **Toray:** China rights to Remitch (TRK-820); currently approved in Japan for puritis associated with hemodialysis
- **Taiwan Liposomes Company:** partnership with TLCs' NanoX technology platform to commercialize products
- Acquired NRDL-reimbursed calcium acetate treatment with CKD for hyperphosphatemia in patients

2019 Outlook

Accelerate Product Development through Strong Pipeline and Strategic Partnership and Business Development

R&D

- New IND applications: Antibodies to PD1, IL17, IL5 and IL4R in China, and begin clinical trials in the US for the anti-PD1 antibody
- New IND applications: TRK-820/Remitch (Toray) and SB8 (Samsung Bioepis) in China
- New pipeline development: preclinical development of a number of new antibodies and bispecific antibodies
- Continue to build up internal clinical development capacity and capability

New Products

- New product launch: Inetetamab (302H) in 2H 2019 as the first therapeutic anti-HER2 antibody in China since Herceptin in 2002
- New product NDA: prefilled syringe dosage form of Yisaipu (301S) in China
- Launch calcium acetate tablet in 2019
- Potential NDRL inclusion of GLP-1 products and others

New Development

- Increase sales of marketed products through further penetration into the already covered hospitals and new hospitals
- Continue to seek M&A and collaboration opportunities to enrich existing product portfolios and pipeline to achieve long term growth

Company Strategy

ONCOLOGY | AUTOIMMUNE DISEASES | NEPHROLOGY | METABOLIC DISEASES | DERMATOLOGY

Innovative Biologics & Core Product Portfolio

China-based Global Leader in Biologics

In the next 10 years, 3SBio will launch 20+ new products, at least half of which will be innovative biologics products

R&D

- To focus on R&D of innovative biologic products
- To further integrate discovery & development of novel antibody and other biologic drugs into the R&D platform
- To prioritize investments in pivotal trials and development of next-generation immuno-oncology therapies

Manufacturing

- To create opportunity by leveraging existing capacity and to get well-prepared to manufacture new products
- To build up comprehensive quality system to manufacture high quality pharmaceutical products at competitive cost
- To complete construction of new manufacturing facilities in compliance with global standards

Sales and Marketing

- To build leading team of sales and marketing in designated areas
- To expand market network to achieve deeper penetration within broader market
- To expand product lines leveraging the commercialization platform

Investment and Alliance

- To introduce in-licensed promising drugs
- To seek targets of equity investments that are aligned with company strategy
- To build up industry ecosystem

R&D Update

Dr. Zhu Zhenping, *President of R&D and CSO*

3SBio is a Leader in Improving Patient Access to Cutting-Edge Biologics Medicines

- China healthcare reforms over the past 25 years have aimed to bridge the gap in international treatment standard through improved access and affordability
- 3SBio was a pioneer in this first wave of biologics in China, including rhIFN-α2a, rhIL-2, rhEPO, rhTNFR:Fc and rhTPO, and more recently with advanced antibody programs targeting HER2, CD20, PD1, VEGF and EGFR to provide biological oncology therapies with the greatest unmet demand in China
- With a fully integrated and proven R&D, manufacturing and commercial capabilities, 3SBio is an attractive partner for international companies large and small seeking to advance innovative programs in China which address the global need for safe, effective and affordable disease treatments
- 3SBio's early-stage R&D efforts focus on novel, next generation therapies, including programmed cell therapeutics, immune checkpoint inhibitors, macrophage checkpoint modulators, bispecific antibodies and combination therapies anchored by 3SBio's comprehensive antibody pipeline.

3SBio Integrated R&D Centers and Platforms

4 R&D Centers with Biologics & Chemical Drugs Platforms

National Engineering Research Center for Antibody Drugs

Multiple Research Topics Supported by 13th Five-Year Major Drug Development Project

- **70+** national patents, **30 +** launched products, **32** product candidates, among which we have **22** National Class I New Drugs
- **330** experienced scientists under the leadership of Dr. Zhu Zhenping, the Chief Scientific Officer
- Covering **oncology, auto-immune diseases, nephrology, metabolic, dermatology and other areas**

R&D Centers in 3SBIO

Research & Discovery

Process Development & Pilot Manufacturing

Registration Affairs

Clinical Development

Intellectual Property

Project Management

International Business and Sales

Business Development & External Alliance

Major Progress in Pipeline Development in 2018

- Well-positioned **biologics oncology** pipeline (antibodies to HER2, CD20, PD1, VEGF, and EGFR)
- Resubmitted NDA application of the anti-HER2 antibody **Inetetamab (302H)** to CDE and achieved priority review status
- Completed the Phase III trial report of a pre-filled syringe dosage form of Yisaipu **301S,** to file for manufacturing approval in H1 2019
- Initiated phase I PK study of the anti-CD20 antibody **304R**, in comparison to Rituximab
- Completed a phase I trial of the anti-EGFR antibody **602,** and is planning for advanced trials in patients with colorectal cancer
- Completed multiple Phase I clinical trials of **NuPIAO SSS06,** phase II trial to begin soon
- Completed a phase I trial of **RD001** in healthy volunteers, and will begin trials in anemic patients soon
- Began patient enrollment of **TPIAO** in hepatic dysfunction surgery patients at the risk of thrombocytopenia
- Received an IND approval for **TPIAO** for pediatric ITP indication, patient enrollment to begin soon
- Received IND approvals of the anti-VEGF antibody **601A** to conduct clinical trials in patients with macular edema following RVO, mCNV and DME; patient enrollment is ongoing for 601A in phase I AMD trial
- Received an IND approval from the US FDA for phase I trials of an anti-PD1 antibody **609A** in cancer patients

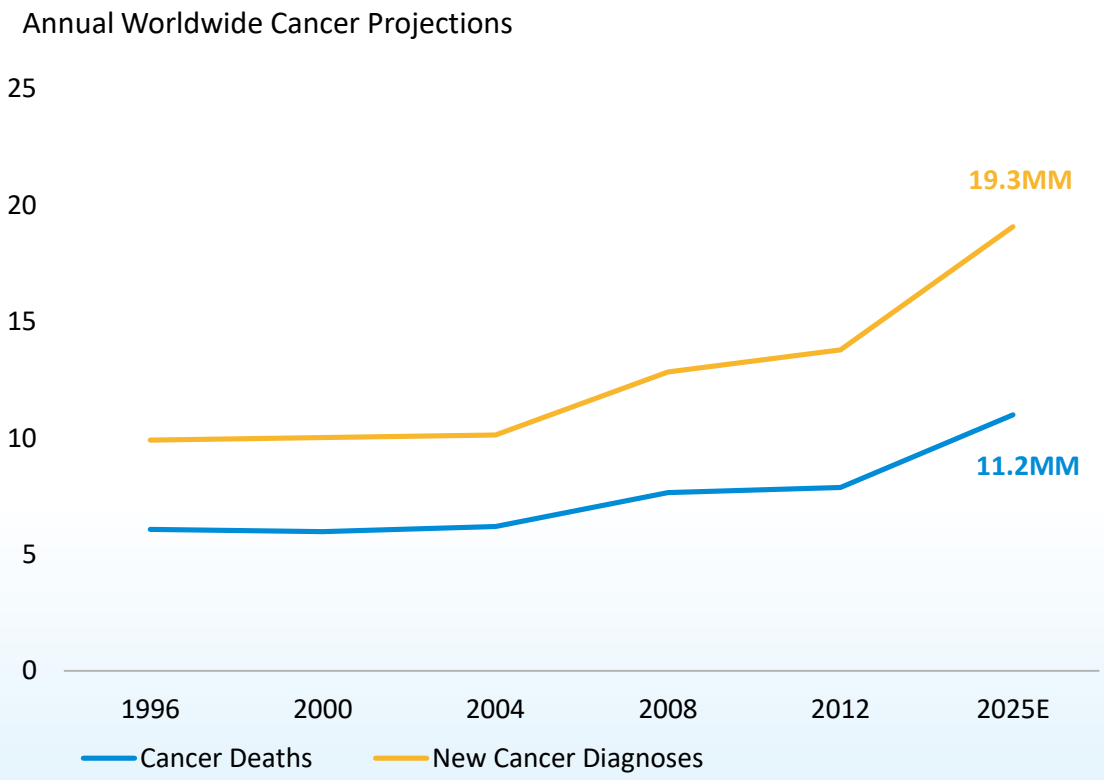
Robust and Innovative Product Pipeline Supported by Integrated R&D Platform

Therapeutic Area	Product Candidate	Pre-Clinical	Clinical Trial Application	Phase I	Phase II	Phase III	New Drug Registration	Production Permit
Nephrology	SSS06 Long-acting EPO							
	RD001 Long-acting EPO							
	SSS17 HIF inhibitor							
	SSS12							
	SSS13							
	TRK-820/Remitch							
Oncology	302H Anti-HER2 antibody							
	304R Anti-CD20 antibody							
	602 Anti-EGFR antibody							
	SSS24							
	609A Anti-PD1 antibody							
	612 Anti-HER2 antibody							
	702 Anti-PD1 BsAb1							
	703 Anti-PD1 BsAb2							
	704 Anti-HER2 BsAb							
	705 Anti-EGFR BsAb							
	SB8 Anti-VEGF antibody							
Auto-Immune Diseases and Other Areas	301S TNFR-Fc fusion protein							
	SSS07 Anti-TNFa antibody							
	SSS11 Pegsiticase							
	601A Anti-VEGF antibody							
	TPIAO – New indications							
	AP506							
	SSS20							
	SSS32							
	608 Anti-IL17 antibody							
	610 Anti-IL5 antibody							
	611 Anti-IL4R antibody							
	613 Anti-IL1b antibody							
Metabolic Diseases	Bydureon DCP & AI							
	SSS26							
Dermatological Diseases	MN709							

Monoclonal Antibody Other Biologics Small Molecule Drug

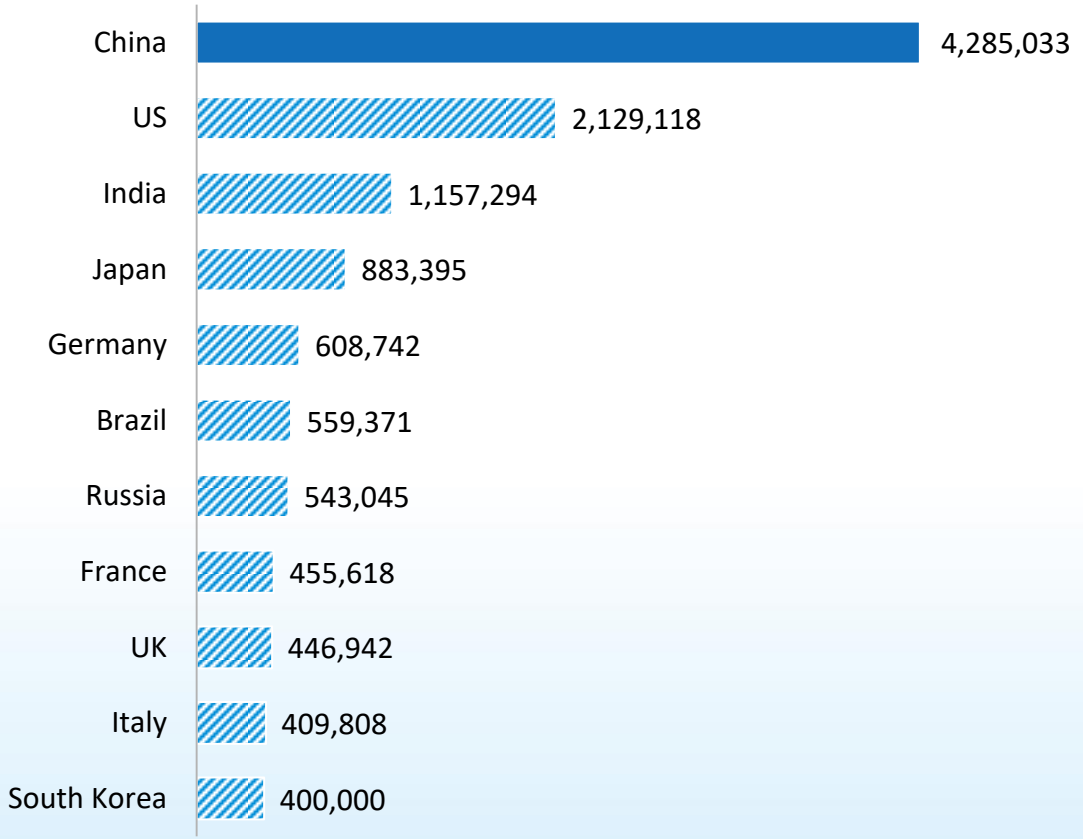
Growing Cancer Patient Population Globally and in China

Rising Mortality and Diagnosis Rates



Source: WHO, GLOBOCAN

Estimated Number of New Cases in 2018



Source: WHO, GLOBOCAN

Oncology Market in China

Top 10 Oncology Drugs by Generic Name Globally and in China

Globally (2018 Forecast)

Generic Name	Brand Name of Patented Drug	Market Size (Billion USD)
Lenalidomide	Revlimid®	9.7
Nivolumab	Opdivo®	7.6
Pembrolizumab	Keytruda®	7.2
Trastuzumab	Herceptin®	7.1
Bevacizumab	Avastin®	7.0
Rituximab	Mabthera®	6.9
Ibrutinib	Imbruvica®	5.6
Palbociclib	Ibrance®	4.1
Abiraterone Acetate	Zytiga®	3.5
Enzalutamide	Xtandi®	3.2

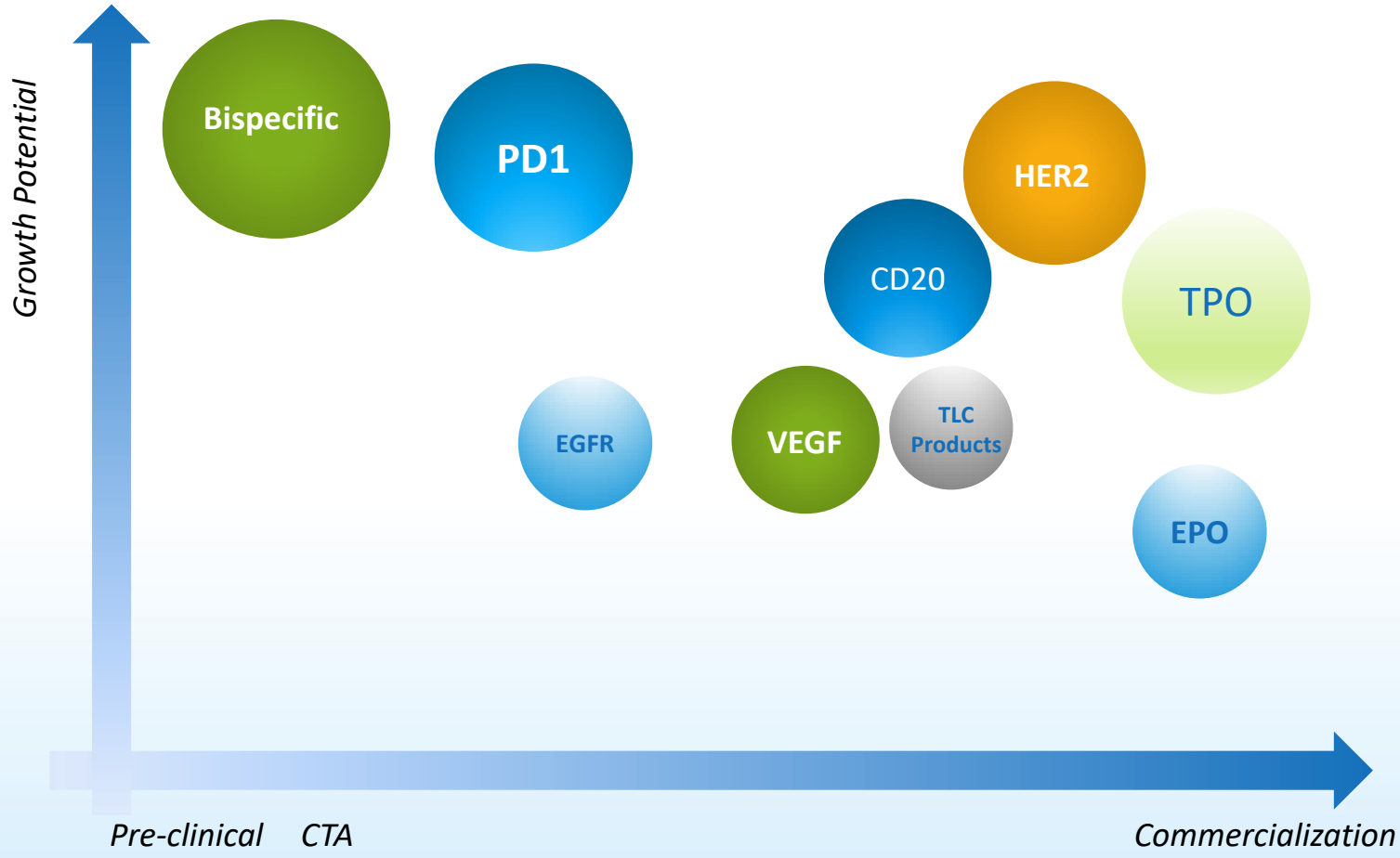
Source: GlobalData

China (2018 Q1-Q3 Sales from Sample Hospitals)

Generic Name	Brand Name of Patented Drug*	2018 Q1-Q3 Sales (Billion RMB)
Paclitaxel	Taxol®	1.6
Pemetrexed	Alimta®	1.2
Docetaxel	Taxotere®	1.0
Tegafur Gimeracil Oteracil Potassium	Ai Si Wan®	1.0
Rituximab	Mabthera®	0.9
Trastuzumab	Herceptin®	0.9
Oxaliplatin	Eloxatin®	0.8
Capecitabine	Xeloda®	0.8
Bevacizumab	Avastin®	0.7
Imatinib	Gleevec®	0.6

Source: PDB

3SBio Position in Addressing Cancer Challenge



Inetetamab (302H，伊尼妥单抗)

- From 2009 to 2013, the Company successfully conducted an open label, multi-center, perspective Phase III trial in China for Inetetamab (302H), a humanized anti-HER2 antibody for injection, in patients with HER2 over-expressing metastatic breast cancer

- In September 2018, the Company completed a thorough clinical re-inspection and audited of the phase III trial sites/data, and resubmitted New Drug Application (NDA) to the NMPA for Inetetamab (302H) to treat patients with HER2 over-expressing metastatic breast cancer
- The NDA has been granted **a priority review status** by the NMPA

- Granted innovative generic name **Inetetamab(伊尼妥单抗)** by Chinese Pharmacopoeia Commission in 2019

- If approved, Inetetamab will be the **first** therapeutic anti-HER2 antibody approved in China since Herceptin in 2002

Positioned to be the Leader in Next Generation Immuno-Oncology Programs

Macrophage Targeting Immunotherapies

verseau

- First-in-class macrophage checkpoint modulators (MCMs) to benefit patients with cancer, immune and inflammatory diseases.
- While PD-1 inhibitors have provided great clinical successes, they are only effective in 15-20% of cancer patients.
- Macrophages demonstrate one of the highest infiltration rates in human tumors (~75%).
- MCMs cause tumors to turn highly inflammatory and stimulate multiple immune cell types, including T cells.
- MCM therapies have the potential to significantly expand the number of patients benefitting from immunotherapy, including those unresponsive to PD-1 inhibitor therapies.

CAR-T Cell Therapy

REFUGE biotech

- Partnership leverages gene engineering technologies CRISPR interference (CRISPRi) and CRISPR activation (CRISPRa) through Refuge's receptor-dCas platform to develop therapeutic cells that are programmed to make cancer-fighting decisions inside the patient's body.
- Refuge's receptor-dCas platform combines multiple therapeutic approaches in a single cell, such as repression or activation of checkpoint targets and cytokine genes, with greater potency and reduced side effects

Bispecific Antibodies

- 3SBio has multiple bispecific antibody programs, each constructed recombinantly based on the comprehensive internal antibody pipeline
- 702: anti-PD1 x anti-tumor target 1 bispecific antibody
- 703: anti-PD1 x anti-tumor target 2 bispecific antibody
- 704: anti-HER2 x anti-tumor target bispecific antibody
- 705: anti-EGFR x anti-tumor target bispecific antibody
- And others

Other Novel Immuno-oncology Program

- Continue to seek licensing and partnership opportunities to further enrich and advance novel immuno-oncology programs
- Leverage existing assets including anti-PD1, inetetamab, anti-VEGF, anti-EGFR and others

Integrated Strategic Collaborations

- Exclusive License Agreement for the commercialization of short-acting and long-acting GLP-1 products in China

- Exclusive License Agreement for distribution and promotion of insulin products namely, Humulin Cartridges, Humulin Kwikpens and reusable pens in China

- Collaboration for clinical development, regulatory registration and commercialization of multiple biosimilar in China
- Samsung Bioepis will be responsible for manufacturing and supply of the products

- Exclusive partnership to commercialize in mainland China two liposomal products utilizing TLC's proprietary NanoX™ technology.
- Will cooperate to obtain regulatory approvals

- Will jointly design and carry out research programs focusing on developing Programmed Therapeutic Cells
- Exclusive license to develop and commercialize the programmed therapeutic cells in Greater China

- Partnership focused on the development and commercialization of novel monoclonal antibodies in the field of immuno-oncology for a broad range of cancers
- first-in-class macrophage checkpoint modulators ("MCM(s)") to benefit patients with cancer and other diseases.

- Exclusive right to develop and commercialize TRK-820/Remitch in China
- Will submit IND application to CDE in 2019

- Research collaboration and product license
- Partnership focused on novel small molecule oncology drugs

Comprehensive Manufacturing Platform with Strategic CMO Capabilities

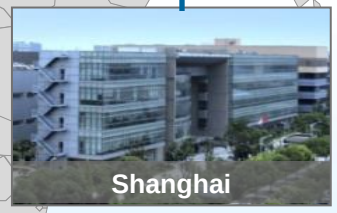
Complete Quality System Voluntarily in Compliance with Global Standards

- All 10 production lines for different dosage forms are certified by GMP in 2010
- QA personnel represent 20%+ of all manufacturing employees at the site
- General manager has 10+ years' experience of pharmaceutical R&D, manufacturing and quality control

- Plant certified by 11 countries, including Ukraine, Brazil and Mexico
- QA personnel represent 20%+ of all manufacturing employees at the site
- QA director has 20+ years' experience of pharmaceutical manufacturing and quality control, taking leading roles in MNCs and engaging in drafting national pharmaceutical guidelines and standards
- Pegsiticase , manufactured at Shenyang facility, can be used for clinical trials in the US

- Serves world-renowned companies such as Mylan and Sanofi
- QA personnel represent nearly 40% of all manufacturing employees at the site
- EU GMP certified production lines in Italy

- All existing and new production lines were granted GMP certification in 2013 and in 2016
- QA personnel represent 20%+ of all manufacturing employees at the site
- QA director has 10 years' experience of pharmaceutical R&D, manufacturing and quality control



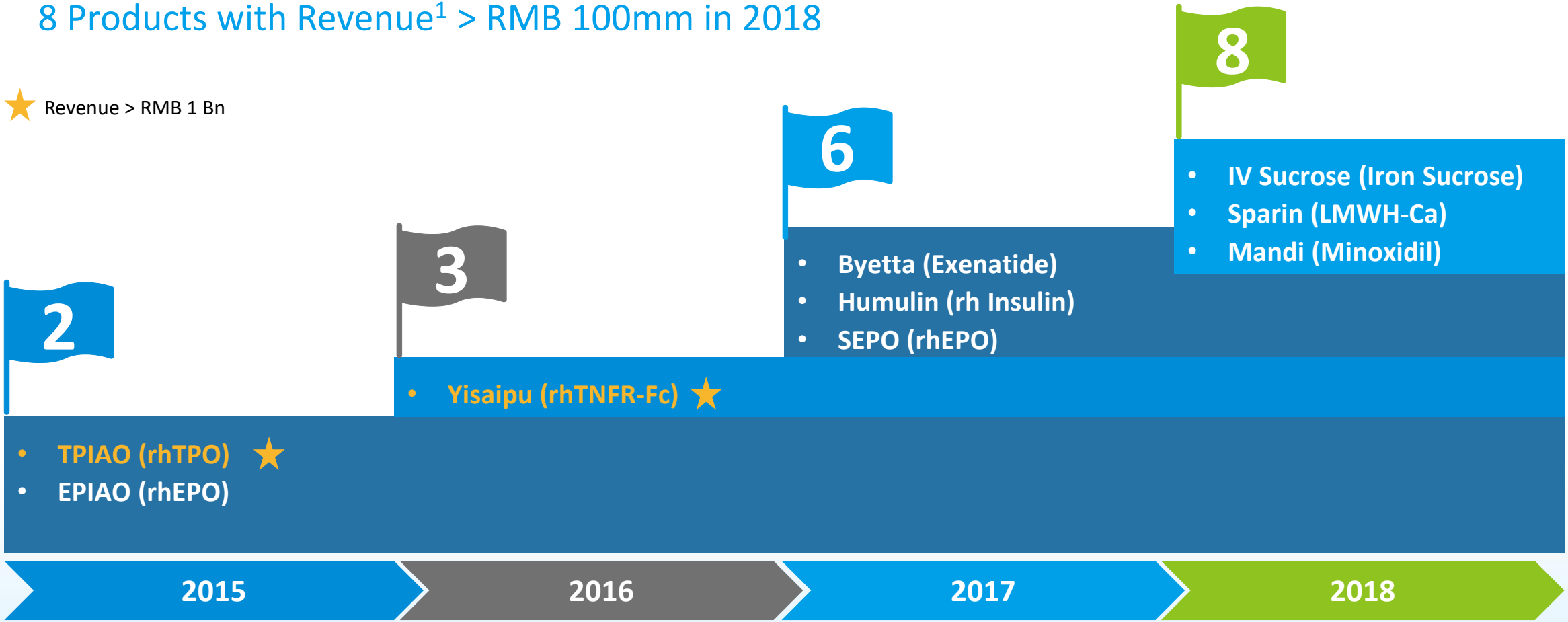
- Plant certified by countries including Colombia, Brazil, Mexico and Ukraine
- Passed EU QP audit
- QA personnel represent 20%+ of all manufacturing employees at the site
- QA director has 30+ years' experience of pharmaceutical R&D, manufacturing and quality control, and serves as the current Vice Chairman of the Biomedicine Committee of Shanghai Pharmaceutical Association and the Director of Shanghai Association for Quality

Operational Review

Mr. Tan Bo, *CFO*

Broder Core Products Achieved High Revenue

8 Products with Revenue[1] > RMB 100mm in 2018



Note:
1 Revenue based on in market sales

Market-Leading Products with Significant Growth Potential

Attractive Products with Unique Value Positions and Significant Growth Potential

TPIAO rhTPO	• Self-developed and the only commercialized rhTPO product in the world • Achieved a market share of **65.3%** in 2018[1]. • **Inclusion in 2017 NRDL as a class B drug** • INDs approved for surgery patients with hepatic dysfunction at the risk of thrombocytopenia and pediatric ITP indication
Yisaipu rhTNFR-Fc	• Launched in 2005 as a first-to-market drug • Indicated for the treatment of rheumatoid arthritis, plaque psoriasis and ankylosing spondylitis • Boasts a dominant market share of **64.0%**[2] in China in 2018 • **Inclusion in 2017 NRDL as a class B drug**
EPIAO rhEPO	• Consistently ranked #1 in the PRC rhEPO market in terms of sales and volume since 2002 • Market share reached **41.0%**[2] in 2018 (together with SEPO) • The only rhEPO product approved for all three indications by SDA in China
SEPO rHuEPO	• Second brand rhEPO of the Group • Increased our penetration into Grade II and Grade I hospitals
Byetta/Bydureon Exenatide/Long-acting exenatide	• GLP-1 products in-licensed from AstraZeneca in Oct 2016 • The **first** to market long-acting GLP-1 product in China
Humulin rHu Insulin	• Insulin products in-licensed from Eli Lilly in May 2017 • Better leverage existing diabetes marketing and promotion team to improve productivity • Further penetrate into broad market and achieve the synergy with existing products
IV Sucrose Iron Sucrose	• For all patients requiring IV iron treatment when oral therapy has failed or not likely to be effective.
Sparin LMWH-Ca	• Used in the prevention of blood clots and treatment of venous thromboembolism (deep vein thrombosis and pulmonary embolism) and in the treatment of myocardial infarction.
Mandi Minoxidil	• The only topical drug recommended by the *guideline for diagnosis and treatment of androgenetic alopecia* • Achieved a market share of **71.7%**[2] in 2018

Notes:

1 Treatment for thrombocytopenia category in IQVIA data

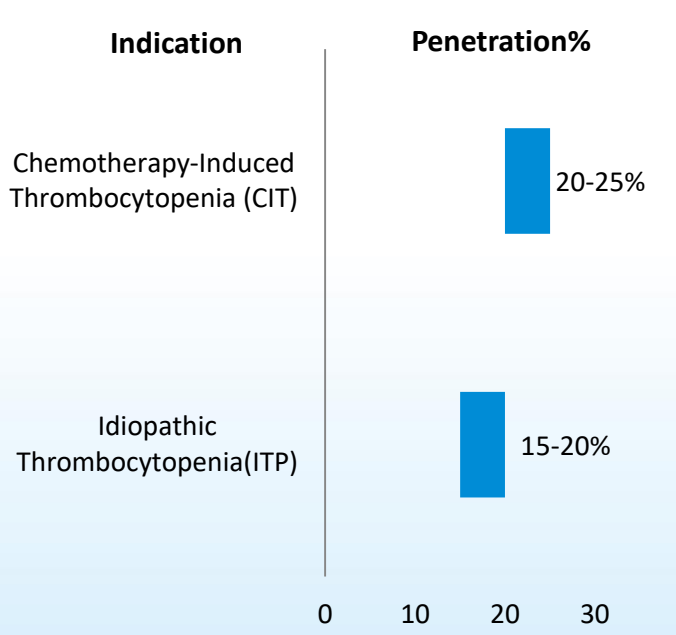
2 IQVIA data

Market-Leading Products with Significant Growth Potential (cont'd)

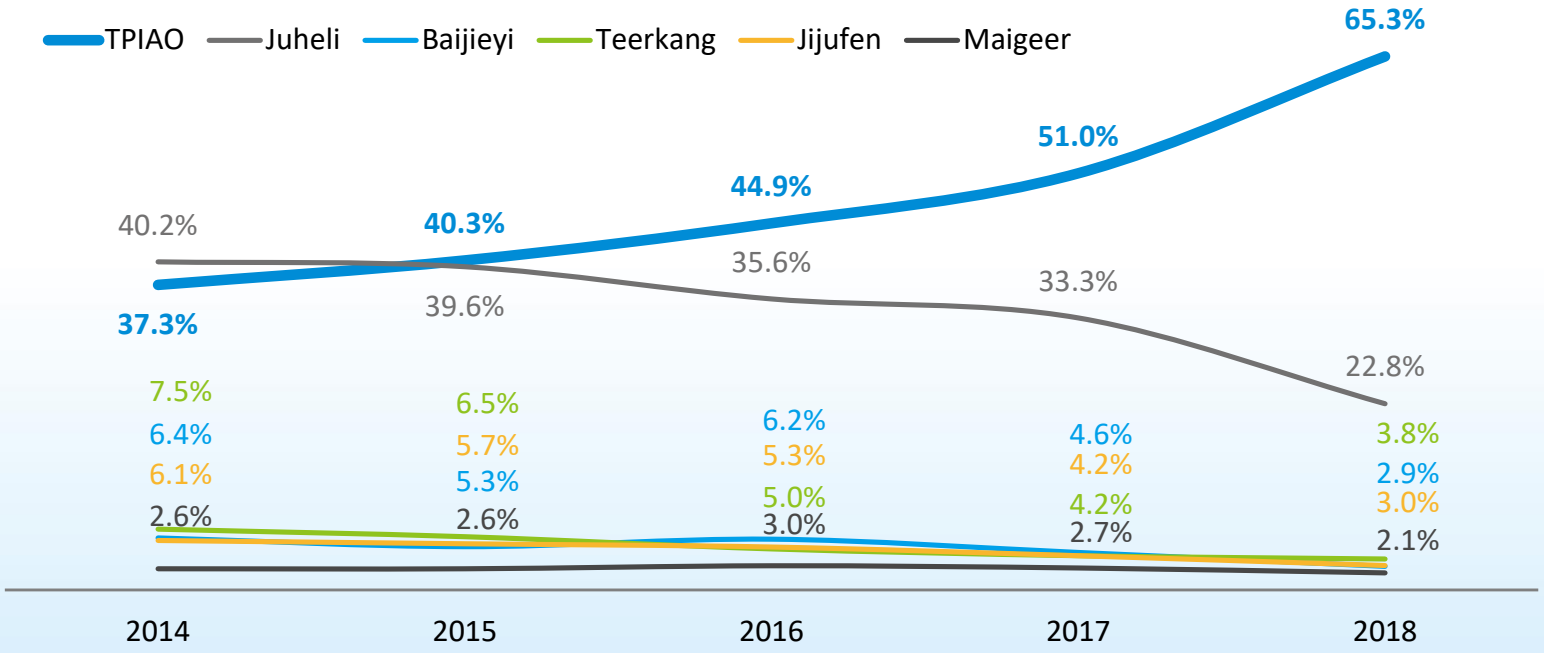
TPIAO

- First to market
- Achieved a market share of 65.3% in 2018
- Higher efficacy, faster platelet recovery and fewer side effects compared to alternative treatments for CIT and ITP
- The first choice in second tier treatments list per PRC ITP Experts Consensus
- Inclusion in 2017 NRDL as a class B drug
- INDs approved for surgery patients with hepatic dysfunction at the risk of thrombocytopenia and pediatric ITP indication

Market is Still Under-Penetrated



Dominant rhTPO Leadership in China



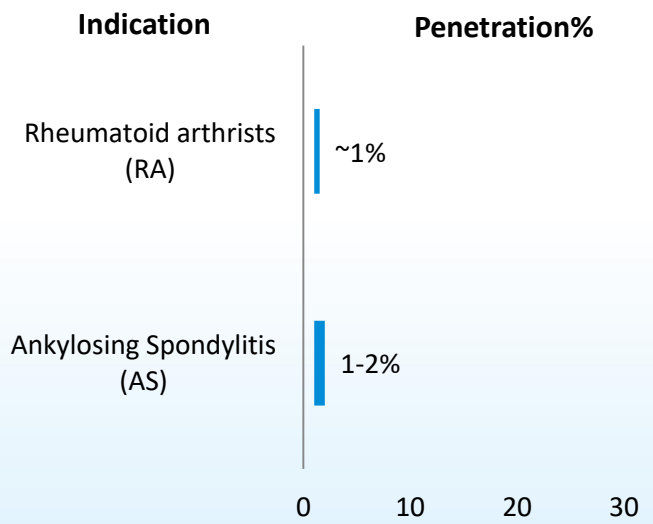
Source: IQVIA

Market-Leading Products with Significant Growth Potential (cont'd)

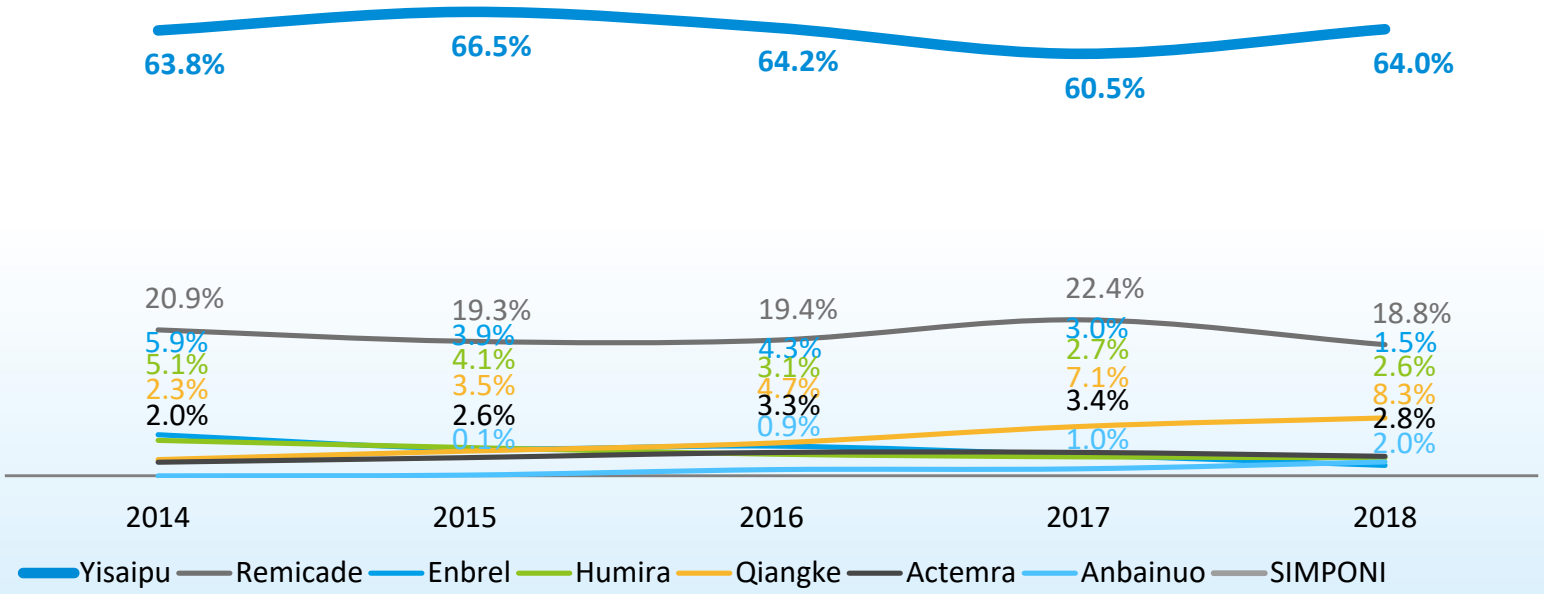
Yisaipu

- First-to-market Anti-TNF drug
- Indicated for the treatment of rheumatoid arthritis, ankylosing spondylitis and plaque psoriasis
- Boasted a dominant market share of 64.0% in China in 2018 and demonstrated strong hospital sales in 2018
- Inclusion in 2017 NRDL as a Class B drug
- Completed phase III trial for prefilled syringe of Yisaipu and is expecting to apply for manufacturing approval in 2019

Market Penetration Still Very Low



Dominant Anti-TNF Leadership in China



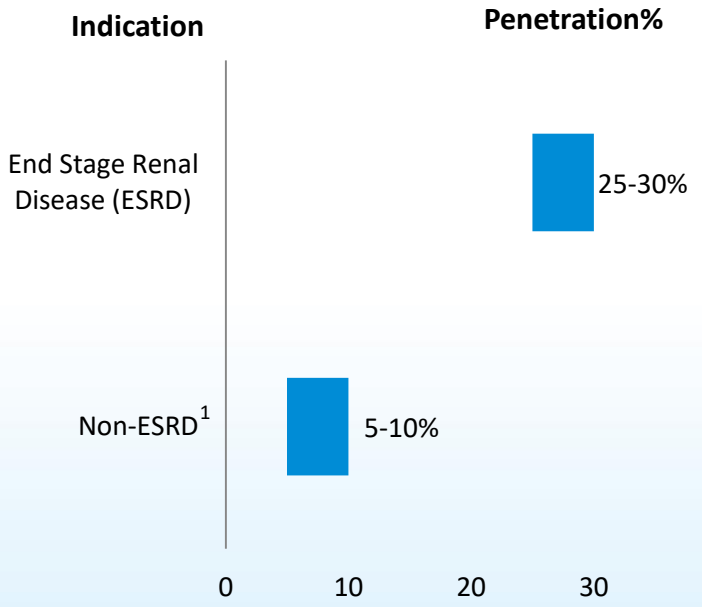
Source: IQVIA

Market-Leading Products with Significant Growth Potential (cont'd)

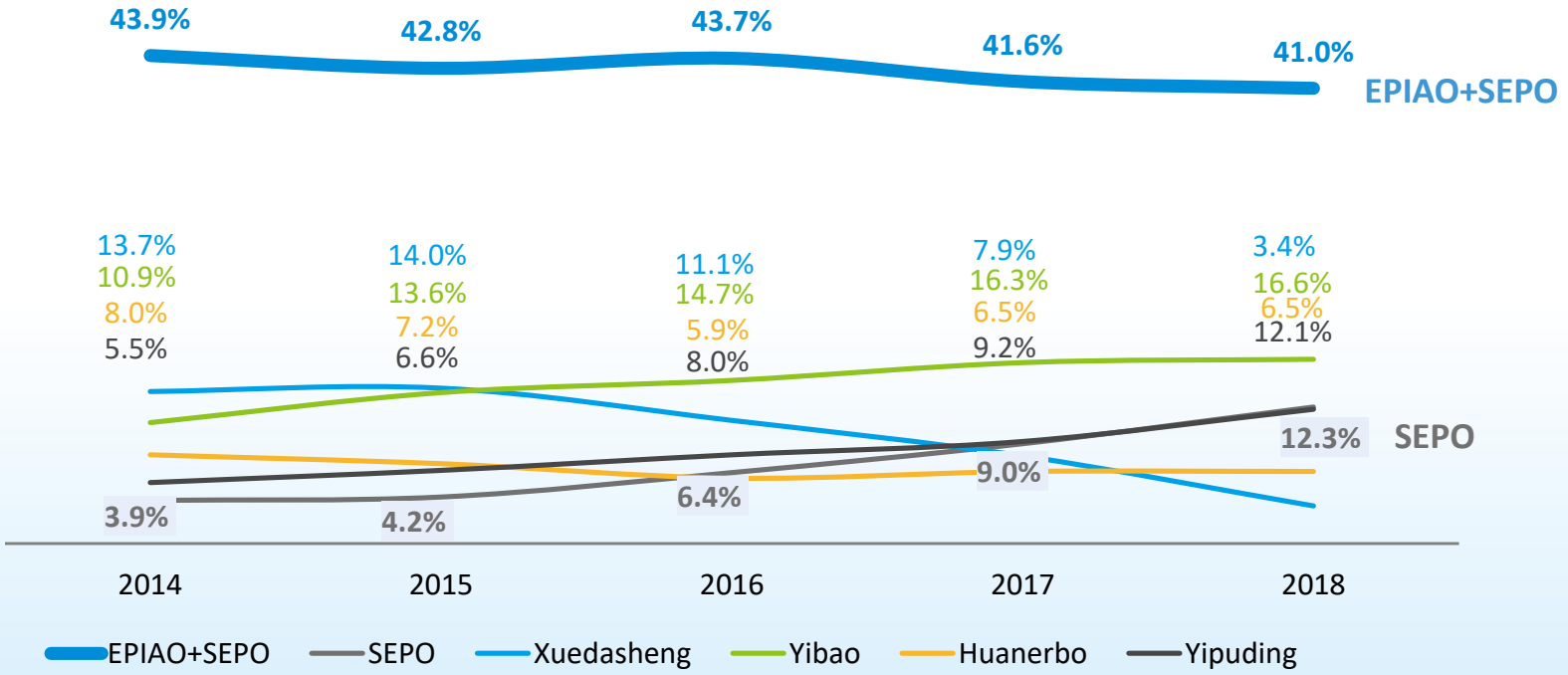
EPIAO and SEPO

- EPIAO has been market leader in China's rhEPO market for over a decade, continuously ranked as #1 in terms of revenue and volume since 2002
  - Market share reached 41.0% in 2018 (together with SEPO)
- SEPO is our second brand rhEPO product and expanded our market coverage, especially in Grade II and Grade I hospitals
  - Market share reached 12.3% in 2018, compared to 3.3% in 2013

Low Penetration



Consistent Market Leadership



Source: IQVIA

Note:

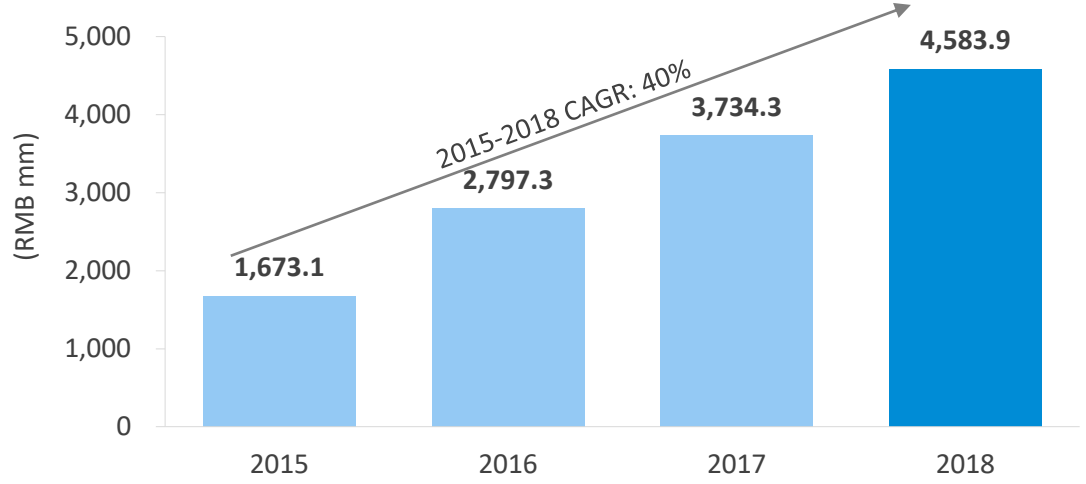
1 Non-ESRD includes chemotherapy-induced Anemia (CIA) and perioperative erythrocyte mobilization

Financial Review

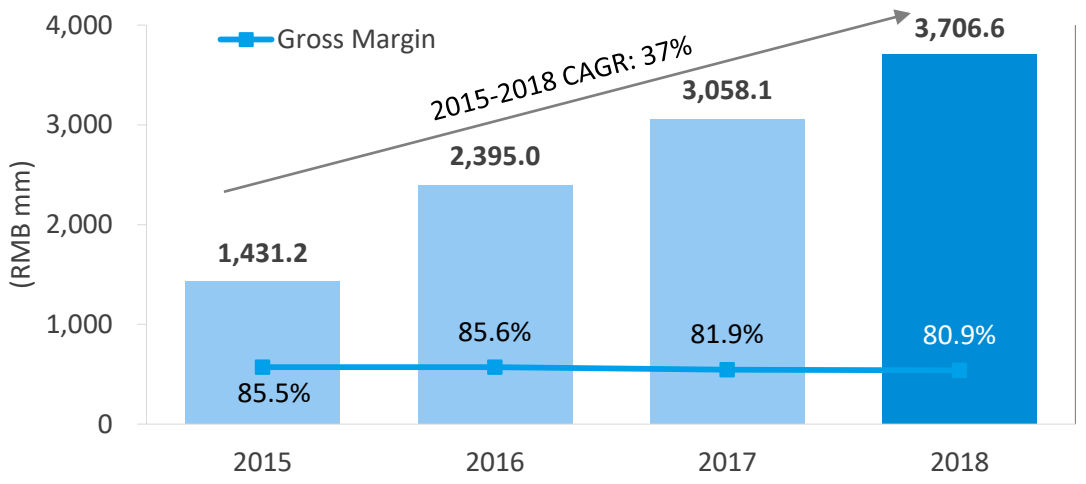
Mr. Tan Bo, *CFO*

Consistent Strong Growth Since IPO

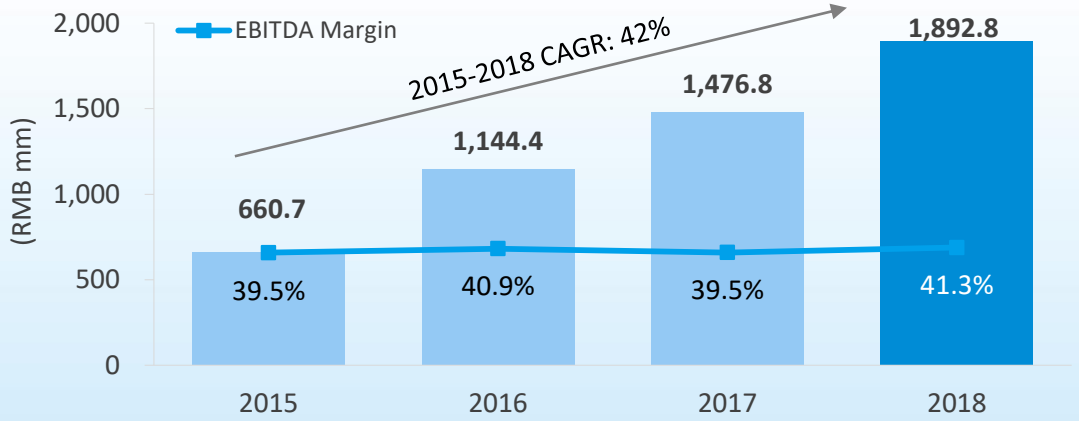
Revenue



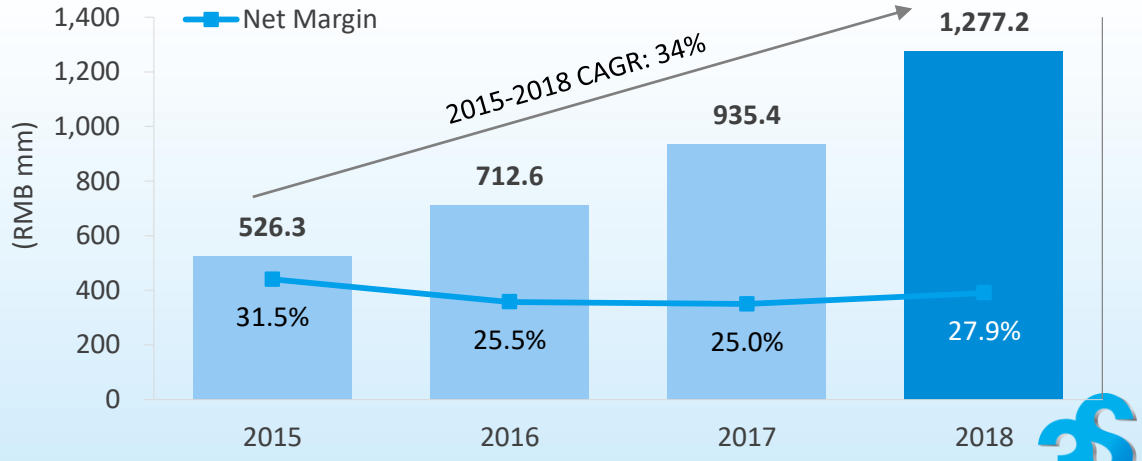
Gross Profit



EBITDA

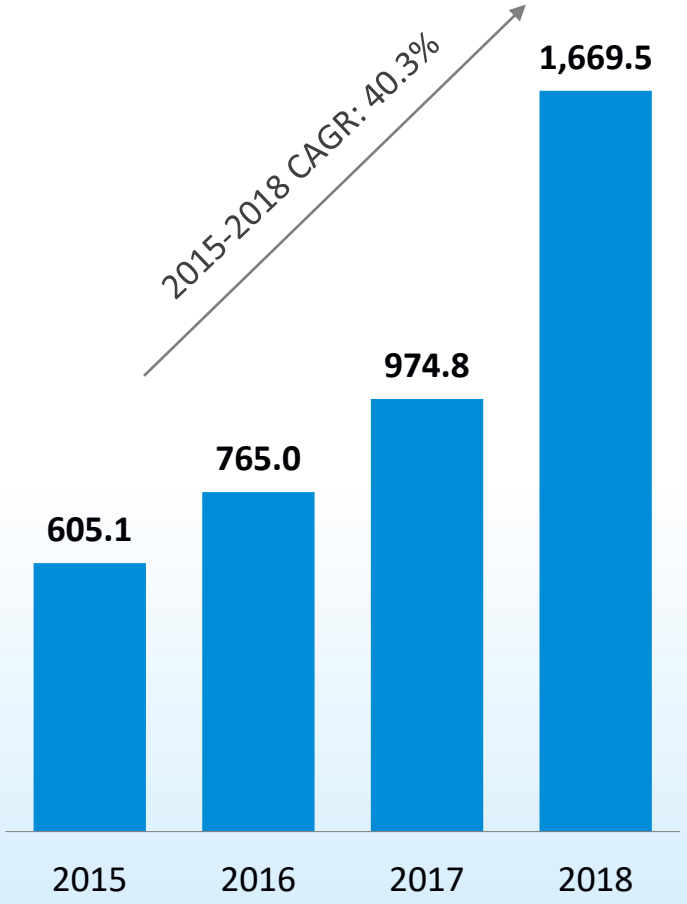


Net Profit Attributable to Owners of the Parent

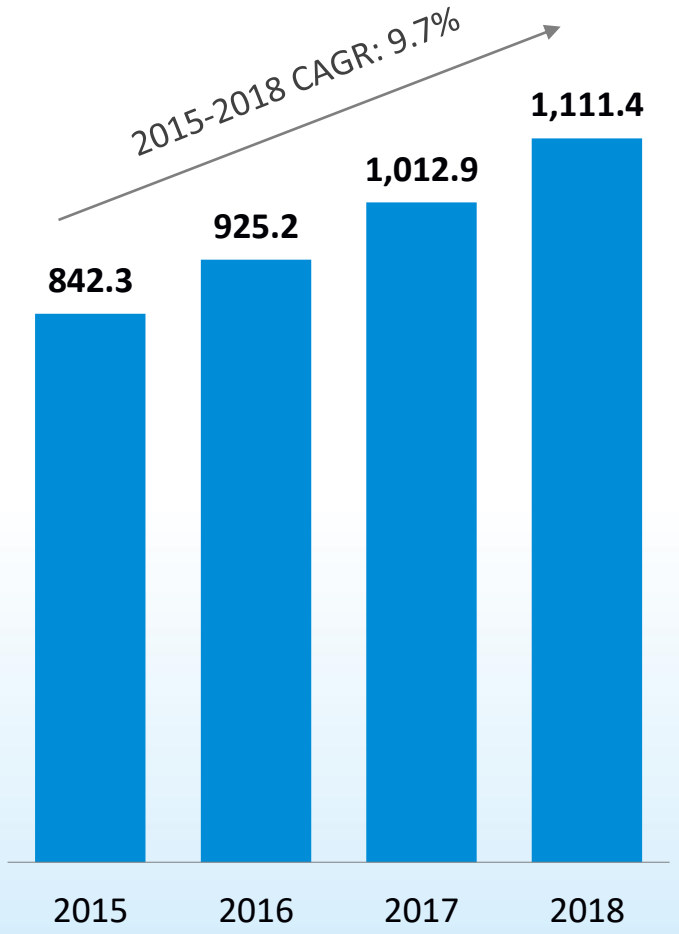


Market-Leading Products with Strong Growth Momentum

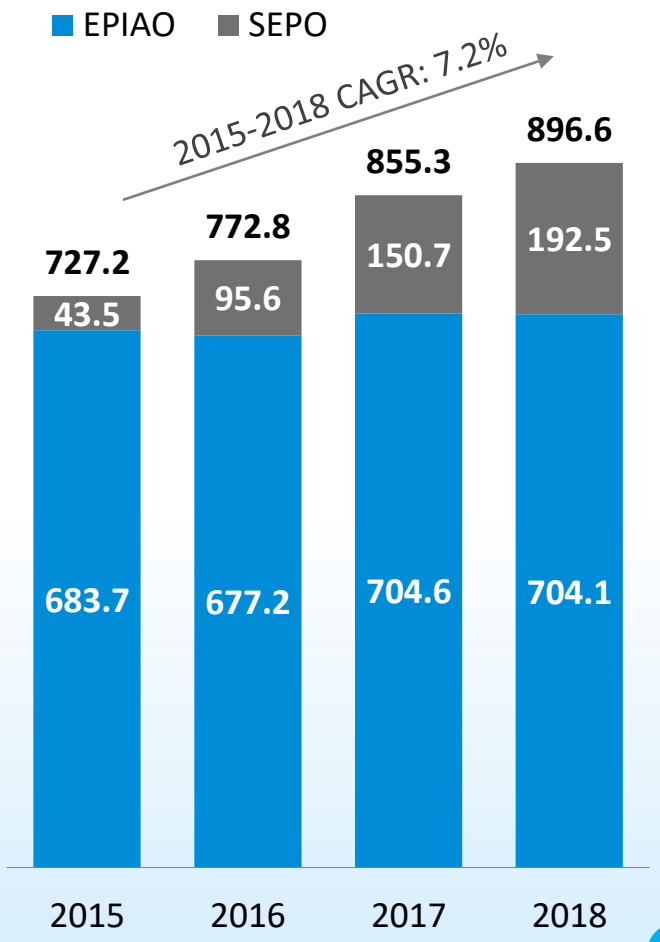
TPIAO



Yisaipu[1]



EPIAO + SEPO



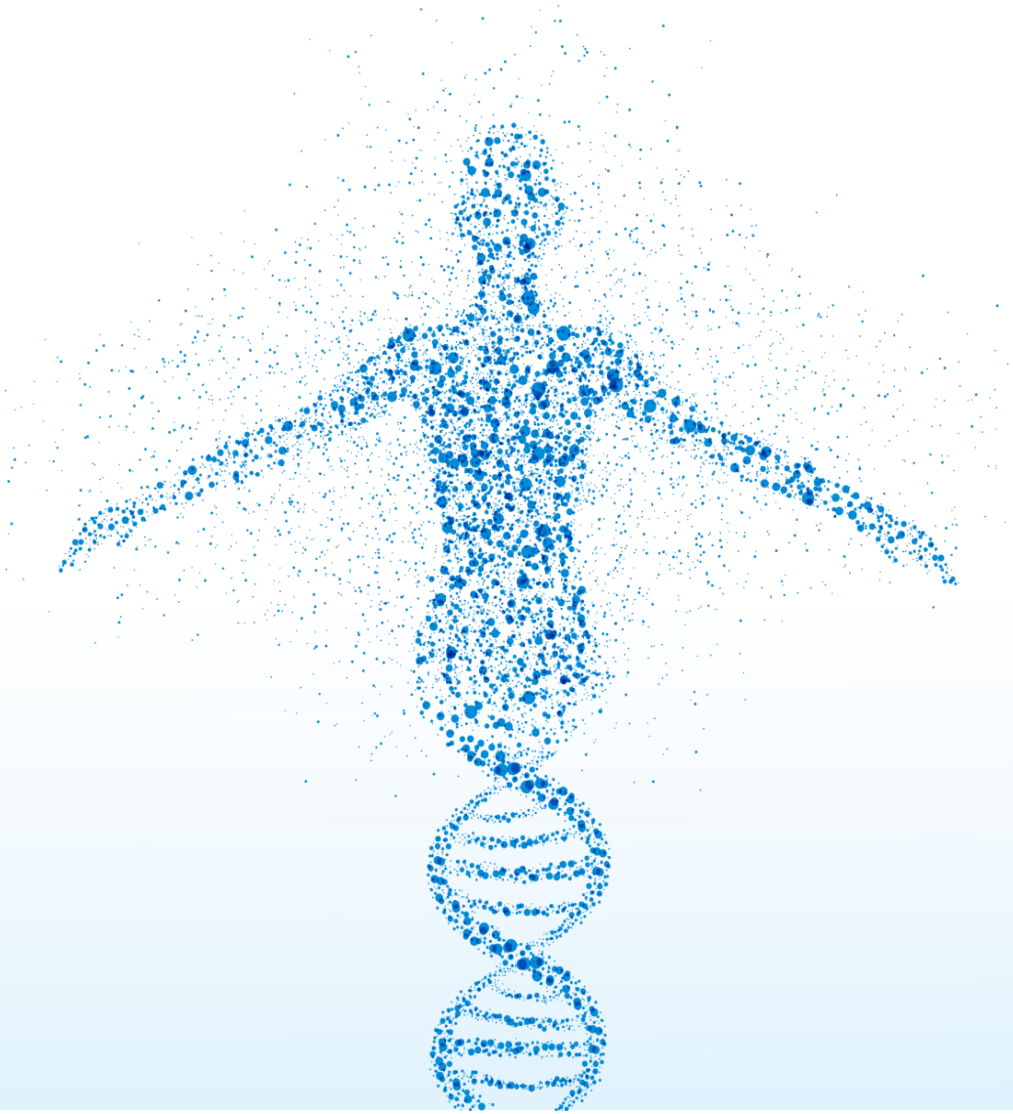
Note:

1 Yisaipu was consolidated since 1 April 2016.

Investment Highlights

1. Leader in the Highly Attractive PRC Biotechnology Industry
2. Market-Leading Products with Significant Growth Potential
3. Focused and Innovative Product Pipeline with Steady Growth Expected
4. Leading Commercial Platform Supported by Extensive Sales Network
5. Comprehensive Manufacturing Platform with Strategic CMO Capabilities
6. Excellent Track Record in Growth and Profitability
7. Experienced and Visionary Management Team Leading the Growth

Q & A



Thanks!

珍爱生命 关注生存 创造生活
Cherish life Care for life Create life

BACK-UP

Experienced and Visionary Management Team Leading the Growth

Dr. Lou Jing

Co-founder, Chairman, Executive Director and Chief Executive Officer

- Joined Shenyang Sunshine as director of R&D in 1995
- Led the manufacturing process development and manufacturing of EPIAO and TPIAO
- Obtained Ph.D from Fordham University in 1994 and completed post-doctor training at the US National Institute of Health in 1995
- M.D from Second Military Medical University in 1985 and EMBA from CEIBS, Shanghai in 2008

Mr. Kevin Xiao

Chief Operating Officer

- Extensive experience within PRC's pharmaceutical industry, including serving as Chief Executive Officer for Hisun Pfizer Pharmaceutical from 2012 to 2015 where he was in charge of the strategy and operations of Hisun and Pfizer joint venture

Dr. Zhenping Zhu

President of R&D and Chief Scientific Officer

- Served as EVP for Global Biopharmaceuticals, Kadmon Corporation and served as the president for Kadmon China
- Served as VP and Global Head of Protein Sciences and Design for Novartis and VP of Antibody Tech and Immunology for ImClone Systems
- Led discovery and early development of several FDA-approved novel antibodies for various oncology indications

Mr. Bo Tan

Chief Financial Officer

- Extensive experience within the financial and pharmaceutical industries
- Worked across private equity, equity research and corporate functions

Ms. Su Dongmei

Director and Senior Vice President

- Served as director of R&D
- Co-inventor of four patents of the Company

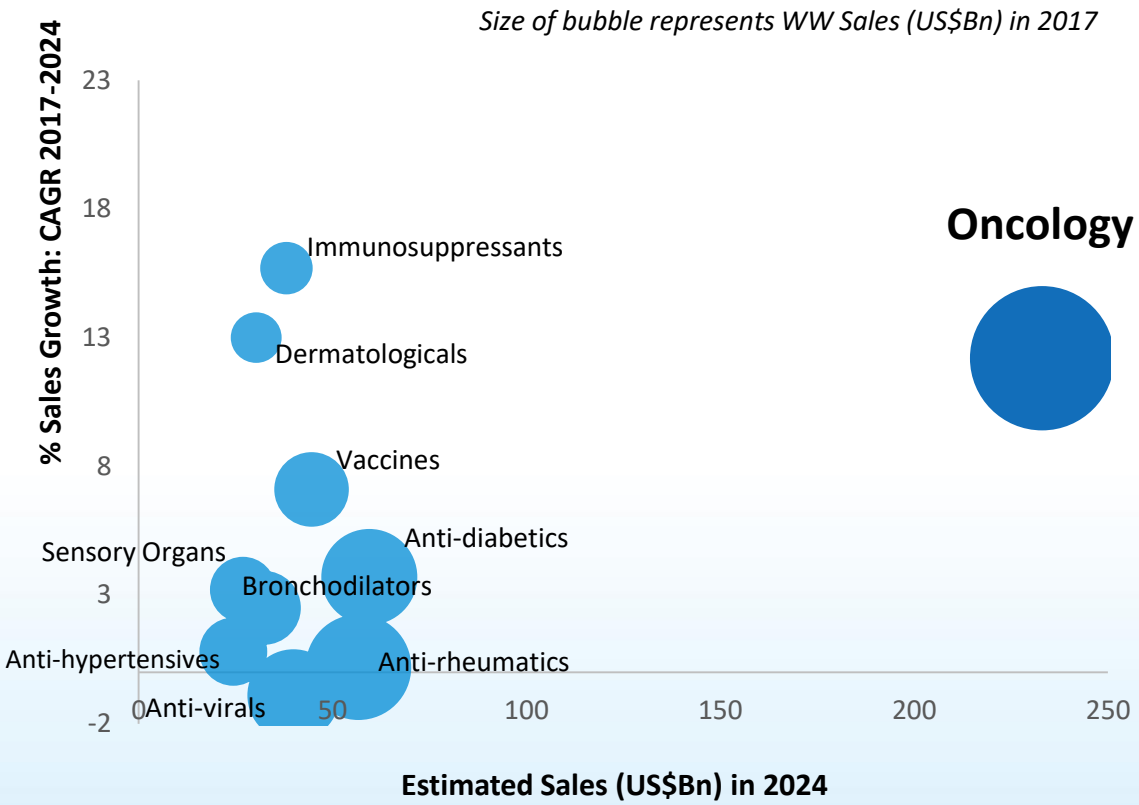
Dr. James Zhang

Vice President of Manufacturing and Head of CMO

- Served as vice president of Yuanda, the head of Yuanda Wuhan Pharmaceutical Research Institute and the chief science officer of Huadong Pharmaceutical Company
- Served as executive director on the board of directors of Huadong Medicine and China Grand Pharmaceutical and Healthcare Holdings

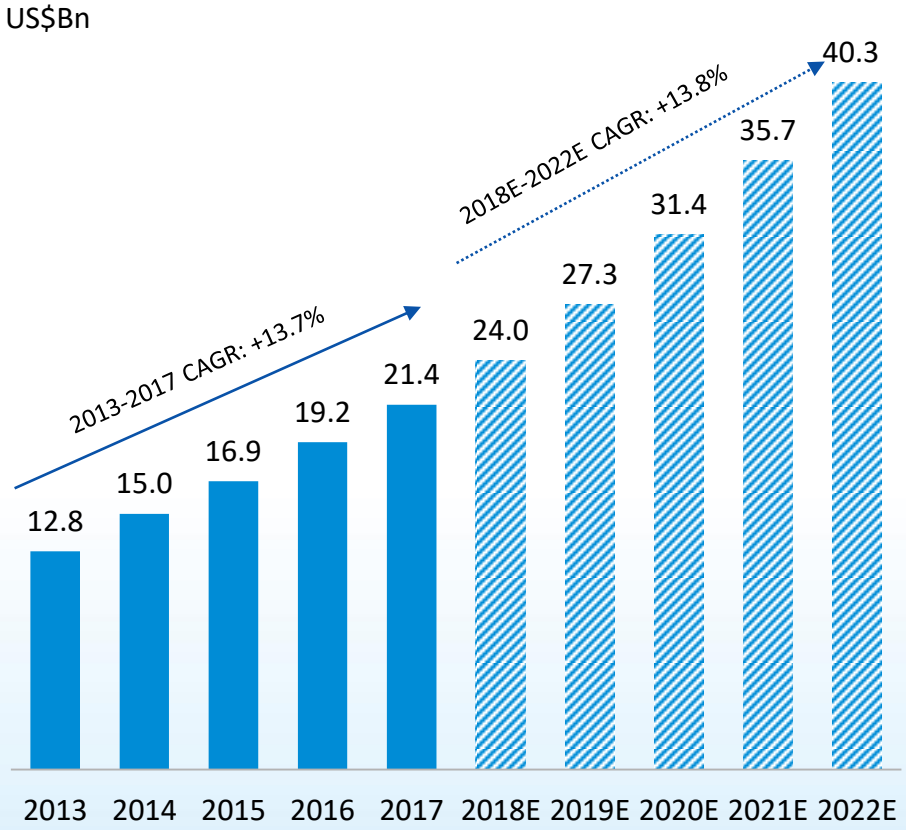
Well Positioned to Meet the Needs of Patients in Oncology

Key Challenge for Health Care Systems Globally



Source: EvaluatePharma

China Oncology Market Forecast (2013-2022E)



Source: Frost & Sullivan