# **3SBio Investor Presentation**

August 2018



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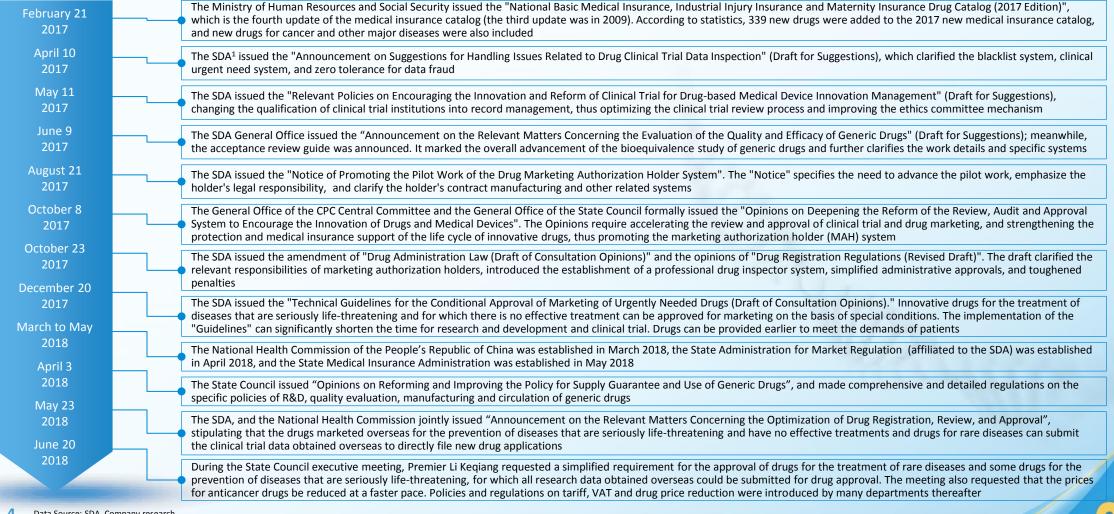


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### **Industry Policy Review since 2017**

### The Policy of "Healthy China" Accelerates the Development of the Industry



4 Data Source: SDA, Company research Note:

<sup>1.</sup> Formerly the CFDA, restructured and renamed in April 2018.

# **Industry Policy Reform Deepens**

#### **Current Situation**

### Continuing to speed up new drug application

- According to DXY Insight, CDE has received 3,553 applications in 2018, involving 1,770 drug varieties, an increase of 62% over the same period last year (1,092 drug varieties last year), translating to an average of 300 varieties each month.
- According to Pharmcube, as of June 15, 2018, CDE has issued a total of 30 batches of proposed priority review lists, announced 555 drugs to be included in the priority review, and eventually included 597 drugs.

### Full implementation of the 2017 National Reimbursement Drug List

- A large number of innovative drugs with proven efficacy and obvious clinical benefit were included in the 2017 NRDL. Together with the dynamic adjustment mechanism of the negotiation list, more innovative drugs with proven efficacy and urgent clinical needs will be covered by the reimbursement system. Meanwhile, many adjuvant drugs have been restricted or even removed from the reimbursement list.
- Mandatory bioequivalence study ("BE study") implemented, and preferential policies for tendering introduced
  - As of late June, there have been 4 batches of product catalogs of generic drugs that have passed the BE study regarding drug quality and efficacy, including 24 varieties, and 41 variety specifications.
  - About 12 provinces (autonomous regions and municipalities) have announced preferential policies in the tendering process for generic drugs that have passed BE study.

### Price reduction for anticancer drugs

- On June 20, 2018, Premier Li Keqiang presided over the State Council executive meeting, and requested a simplified requirement for the approval of drugs for the treatment of rare diseases and some drugs for the prevention of diseases that are seriously life-threatening, for which all research data obtained overseas could be submitted for drug approval. The meeting also requested that the prices for anticancer drugs be reduced at a faster pace.
- Policies and regulations on tariff, VAT and price reduction regarding anticancer drugs are being introduced recently.

### Implication to the Industry

Innovative drug is expected to receive more government support

Higher generic drug quality and more regulated competition

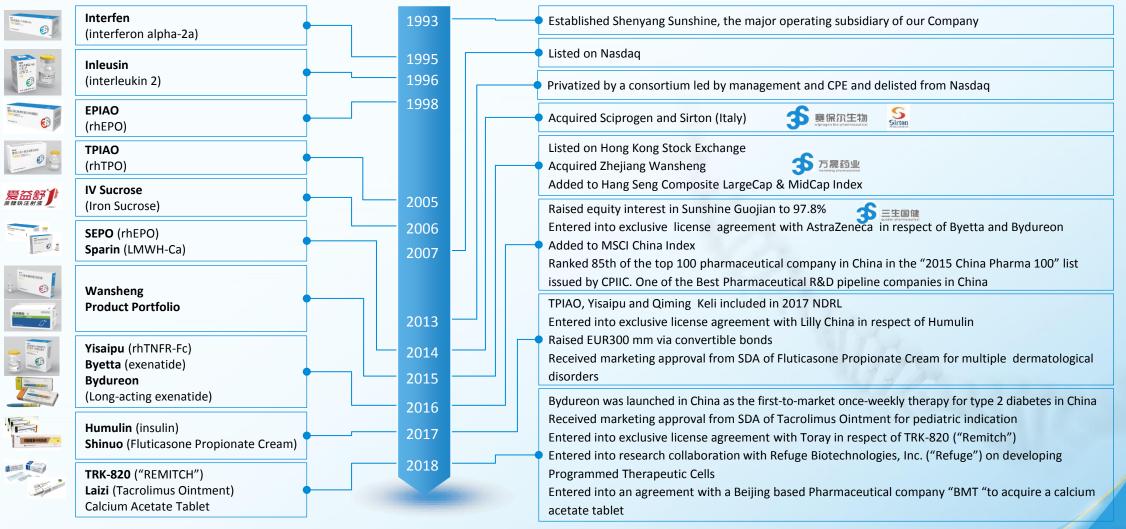
Improved patient affordability and intensified competition among pharmaceutical companies

Greater chance for anticancer drugs to be included in NRDL

Acceptance of overseas clinical trial data



# **History and Key Milestones**



### **Outlook and Future Strategies**













### **Innovative Biologics & Core Product Portfolio**



# **China-based Global Leader in Biologics**





• In the next 10 years, 3SBio will launch 30+ new products with at least half being innovative biological products

### R&D

- Focused R&D on innovative biologic products
- Further integrate the R&D platform for the discovery & development of antibody and biologic drugs
- Prioritize investment in clinical trials, expedite clinical trials and product launch

### **Manufacturing**

- Create opportunity with existing capacity and well prepare for the manufacturing of new products
- Build up comprehensive quality system to manufacture high quality pharmaceutical products at competitive cost
- Complete the construction of new manufacturing facilities with adherence to global standard

### **Sales and Marketing**

- Build the leading sales and marketing team in our focused areas
- Expand our BROAD market network to penetrate wider market
- Leverage commercialization platform by adding more products

### **Investment and Alliance**

- In-license promising drugs
- Further seek equity investments aligning with company strategy
- Build up industry ecosystem



# Section 1

**Investment Highlights** 

# **Investment Highlights**



# Leader in the Highly Attractive PRC Biotechnology Industry

### **Well-Positioned to Capture Vast Industry Opportunities**

### Pioneer in the PRC Biopharmaceutical Industry

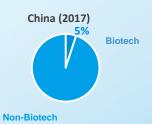
- A pre-eminent player with 7 approved biological products in China's fast growing biopharmaceutical industry
- **32** pipeline candidates, and **8** IND approvals were received in 2017 and H1 2018
- Operates 11 antibody bioreactors with over 38,000 liter capacity
- Small molecule production plant, mammalian cell based production plant, and bacterial cell based production plant
- Leading commercial platform with 2,727 sales and marketing employee focusing on oncology, rheumatology, nephrology, metabolic and dermatology
- Strong emphasis on academic marketing, covering over 13,000 hospitals and medical institutions, including over **2,000** Grade III hospitals

### **Highly Attractive PRC Biotechnology Market**

- Strong government policy support
- Substantial unmet demand and low penetration
- Increasing physician awareness and adoption of biopharmaceuticals

### Still in Early Stage Compared with Global Market





Global Biopharmaceutical Market Size (2013 - 2022E)





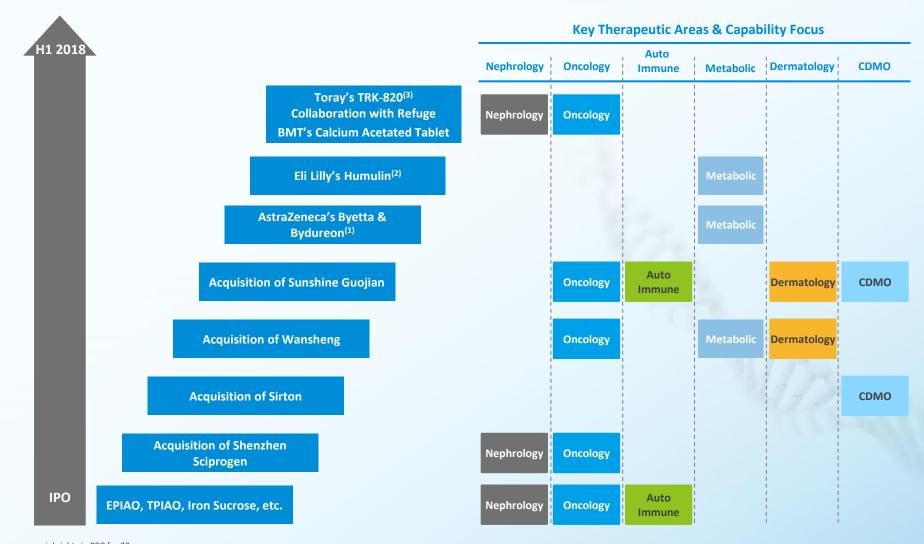


Non-Biotech

Source: Frost & Sullivan, EvaluatePharma, Clarivate Analysis, Company Research

# Leader in the Highly Attractive PRC Biotechnology Industry (Cont'd)

Strengthened Leadership by Expanding to Areas with Significant Growth Potential



- Exclusive commercial rights in PRC for 20 years
- Exclusive commercial rights in PRC for 10 years
- Exclusive commercial rights in PRC for certain period

# **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
- Higher efficacy, faster platelet recovery and fewer side effects compared to alternative treatments for CIT and ITP
- Achieved a market share of 63.2% in H1 2018<sup>1</sup>. Demonstrated strong hospital sales growth of 101.0% in H1 2018 according to IMS
- The first choice in second line treatments list per PRC ITP Experts Consensus
- Adopted in the Guidelines of Chinese Society of Clinical Oncology Conventional Osteosarcoma as one of the primary treatments of CIT
- 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
- On 3 treatment guidances (the experts consensus on the Treatment of Childhood Idiopathic Arthritis, the Rheumatoid Arthritis Treatment Guidance and the Ankylosing Spondylitis Treatment Guidance)
- Boasts a dominant market share of 63.5%<sup>2</sup> in China in H1 2018. Demonstrated strong hospital sales growth of 36.9% in H1 2018 according to IMS
- Inclusion in 2017 NRDL as a class B drug
- The Group has completed phase III trial for prefilled syringe of Yisaipu and is expecting to apply for manufacturing approval in H2 2018



# **EPIAO** rhEPO

- Consistently ranked #1 in the PRC rhEPO market in terms of sales and volume since 2002; market share reached 41.3%<sup>2</sup> in H1 2018 (together with SEPO)
- The only rhEPO product approved for all three indications by SDA in China



# **SEPO** rhEPO

- Second brand rhEPO of the Group
- Increased our penetration into Grade II and Grade I hospitals
- Market share reached **12.0**%<sup>2</sup> in H1 2018, compared to **3.3**%<sup>2</sup> in 2013



### 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
- Tap into diabetes field and further enhance our product portfolio
- Innovative drug addressing significant unmet medical needs



### Humulin

rh Insulin

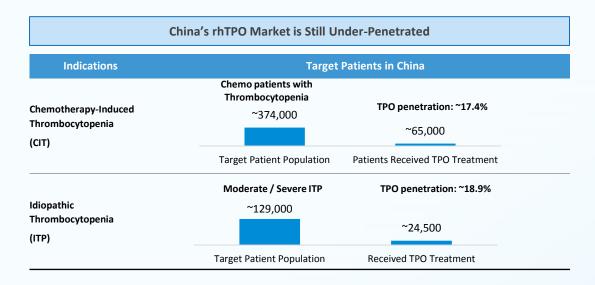
- Insulin products in-licensed from Eli Lilly in May 2017
- Further enhance the product portfolio of diabetes
- Better leverage existing diabetes marketing and promotion team to improve productivity
- Further penetrate into broad market and achieve the synergy with existing products

n No

- Treatment for thrombocytopenia category in QuintilesIMS data
- QuintilesIMS data



# Market-Leading Products with Significant Growth Potential (Cont'd) TPIAO



	rhTPO	rhlL-11	Eltrombopag			
Efficacy	<ul> <li>More effective in increasing platelet production than other therapies</li> </ul>	<ul> <li>Total efficacy rate is relatively high</li> </ul>	<ul> <li>Total efficacy rate is relatively high</li> </ul>			
	<ul> <li>Total efficacy rate is the highest among CIT and ITP therapies</li> <li>Short average period until platelet recovery</li> </ul>	<ul> <li>Average period until platelet recovery is longer than rhTPO therapy</li> </ul>	<ul> <li>Average period until platelet recovery is longer than rhTPO</li> </ul>			
Side effects	High safety	<ul> <li>Cardiotoxicity</li> </ul>	More convenient			
and Other	<ul> <li>Low side effects</li> </ul>	<ul> <li>Peripheral edema</li> </ul>	<ul> <li>High cost</li> </ul>			
Constraints		<ul> <li>Conjunctival redness</li> </ul>	• Liver toxic			
Indication	CIT & ITP	• CIT	• ITP			

rhTPO: A Safer and More Effective Treatment Option for CIT and ITP Patients

### Attractive Growth of CIT Treatment Market



# Market-Leading Products with Significant Growth Potential (Cont'd) TPIAO

- First to market
- Higher efficacy, faster platelet recovery and fewer side effects compared to alternative treatments for CIT and ITP
- Achieved a market share of 63.2% in H1 2018<sup>1</sup>, and demonstrated strong hospital sales in H1 2018. Hospital sales grew 101.0% in H1 2018 according to IMS.
- The first choice in second tier treatments list per PRC ITP Experts Consensus
- Adopted in the Guidelines of Chinese Society of Clinical Oncology Conventional Osteosarcoma as one of the primary treatments of CIT
- 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

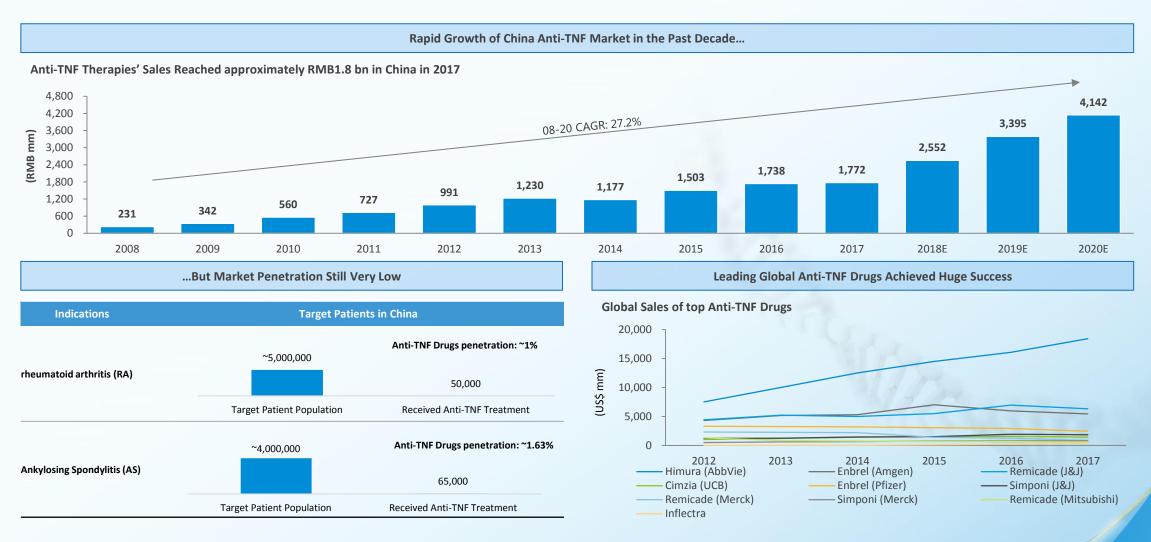


Source: QuintilesIMS



<sup>1</sup> Treatment for thrombocytopenia category in QuintilesIMS data

# Market-Leading Products with Significant Growth Potential (Cont'd) Yisaipu



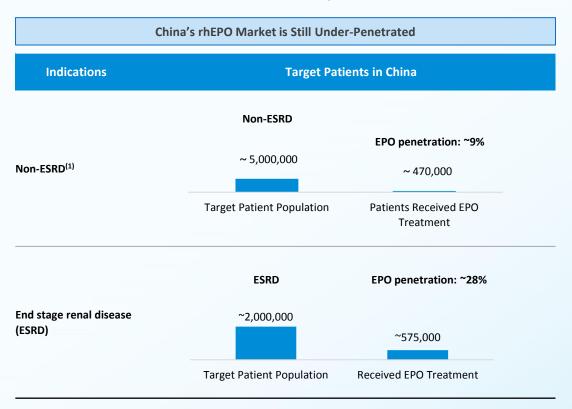
# Market-Leading Products with Significant Growth Potential (Cont'd) Yisaipu

- First to market Anti-TNF drug
- Indicated for the treatment of rheumatoid arthritis, plaque psoriasis and ankylosing spondylitis
- On 3 treatment guidances (the experts consensus on the Treatment of Childhood Idiopathic Arthritis, the Rheumatoid Arthritis Treatment Guidance and the Ankylosing Spondylitis Treatment Guidance)
- Boasts a dominant market share of 63.5% in China in H1 2018 and demonstrated strong hospital sales in H1 2018. Hospital sales grew 36.9% in H1 2018 according to IMS.
- Inclusion in 2017 NRDL as a class B drug
- The Group has completed phase III trial for prefilled syringe of Yisaipu and is expecting to apply for manufacturing approval in H2 2018



### **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, consistently ranking #1 in terms of revenue and volume since 2002
  - Market share reached 41.3% in H1 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 12.0% in H1 2018, compared to 3.3% in 2013





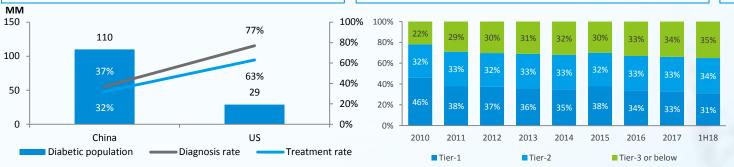
Source: QuintilesIMS, Frost & Sullivan

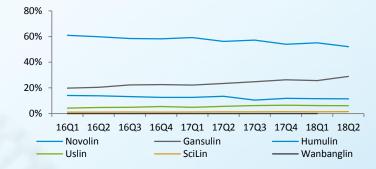
# Market-Leading Products with Significant Growth Potential (Cont'd)

### **Diabetes Franchise (Humulin and GLP-1)**

### China Diabetes Market Is Large and Underpenetrated with Tremendous Growth Potential

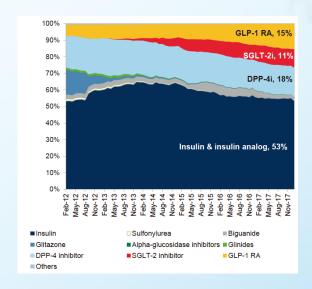
- · China has the largest diabetes population in the world
- · Pre diabetes patients population is even larger
- The diagnosis rate and treatment rate in China are relatively low
- Tiered medical service system will push more patients flow to lower tier market.
- The new NRDL includes human insulin as category A drug, which will be more favorable to patients in lower tier market
- Humulin market share dropped in Q3 2017 due to the transition period and bounced back in Q4 2017.
- Focus on treating more new patients and strengthen investments in county level market
- · Collaborate with distributors and DTP pharmacies to penetrate into wider market





### GLP-1 and Insulin Outperformed the Overall Anti-diabetic Segment Globally...

- · GLP-1 class demonstrated rapid growth in global market
- China market is very under penetrated as compared to global market
- Bydureon is the first to market long acting GLP-1 in China, which may largely improve the patient' s compliance as an innovative therapy for type 2 diabetes





- Sulfonylureas
- Biguanides & related compounds
- Glinides
- Thiazolidinediones
- DPP-4

US

CHINA

■ GLP-1

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



4 R&D centers with both biologics & chemical drugs platforms



**National Engineering Research Center** for Antibody Drugs

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

- 73 national patents, 30 + launched products, 32 product candidates, among which we have 17 National Class I New Drugs
- Covering oncology, auto-immune diseases, nephrology, metabolic, dermatology and other areas

### **R&D** centers in 3SBIO











Department of Research



Department of Registration Affairs



Department of Clinical Development



Property

Department of Intellectual



Department of Project Department of Management and International External collaboration Business





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

### **R&D Strategies**

- The Group's core therapeutic areas are Oncology, Immunology, Nephrology, Metabolic diseases and Dermatology
- The Group focuses its R&D on innovative biologics products, supplemented by the development of small molecule and generic drugs
- Continuously streamline and prioritize existing pipelines
- We expect, on an average, to receive one new drug and/or new indication approval for Class I drug, and 2-3 IND approval each year
- The Group plans to expand its pipeline and therapeutic areas through both internal research and external collaboration and partnership
- Development of new technology platforms, and initiating new research programs in the area of our expertise, via both in-house efforts and in-licensing opportunities
- Enhancement of in-house clinical development capacity and capability, via preferable investment in both manpower and financial resource

### **Recent Major Progress**

- Bydureon: the first long-acting weekly-dosing GLP-1 receptor agonist on China market, was approved by the SDA as a new treatment option to improve glycemic control for patients with type-2 diabetes in January 2018. The Group has launched the product, in May 2018
- 302H: The Group has completed a thorough inspection and audit of all the clinical sites and the associated clinical data, finalized the clinical study report, and re-submitted a new drug application to the SDA recently
- 301S: The Group has completed the Phase III trial of the prefilled syringe dosage form of Yisaipu and is preparing the final study report in order to apply for manufacturing approval from the SDA in the second half of 2018
- 602: The Group has completed patient enrollment for a phase I trial, and is currently planning phase III pivotal trials in patients with colorectal cancer
- SSS06: The Group has completed multiple Phase I trials of NuPIAO in anemic patients, and obtained an approval from SDA in May 2018 for Phase II and Phase III clinical trials. Patient enrollment is expected to begin soon.
- TPIAO: The Group has begun patient enrollment for TPIAO in surgery patients with hepatic dysfunction at the risk of thrombocytopenia. In addition, the Group was granted a new IND approval from the SDA for clinical trials of TPIAO in pediatric ITP indication in February 2018
- 601A: The Group is initiating patient enrollment in the phase I AMD trial. In addition, the Group received three additional clinical trial approvals from the SDA in June 2018 for this product for the treatment of other ophthalmic diseases, including macular edema following retinal vein occlusion (RVO), myopic choroidal neovascularization (mCNV), and diabetic retinopathy with macular edema (DME).



# Robust and Innovative Product Pipeline Supported by Integrated R&D Platform (Cont'd)



Monoclonal Antibody

# Robust and Innovative Product Pipeline Supported by Integrated R&D Platform (Cont'd)

### **Preclinical Pipeline Highlights**

Code	Name (1997)	Estimate IND Time							
		2018		2019			2020		
		3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q
608	a humanized anti-IL17 antibody	•							
609A	a humanized anti-PD1 antibody *		•						
610	a humanized anti-IL5 antibody				•				
611	a humanized anti-IL4R antibody						•		
612	a humanized novel anti-HER2 antibody that synergizes with 302H for greatly enhanced antitumor activity (with different binding epitope and MOA compared to Perjeta)							•	
704	an anti-PD1 x anti-tumor target 1 bispecific antibody							•	
705	an anti-PD1 x anti-tumor target 2 bispecific antibody								•
Others	several other anti-tumor bispecifc antibodies and bifunctional fusion proteins							2020 a	nd beyor

<sup>\*</sup> US FDA and SDA IND

# Strong In-House Sales Capability Enabling Us to Effectively Promote and Sell Innovative Pharmaceuticals

### **Emphasis on Academic Marketing**

- Established and maintained strong relationships with leading hospitals and medical professionals
- Promoted and strengthened our academic recognition and brand awareness among medical experts

### **Effective Marketing Strategies**

- Marketed and promoted the majority of our products mainly through our in-house sales and marketing team
- Relied on third-party promoters to market other products
- DBU was established with the aim to penetrate into lower tier market

2015

- Collaborate with distributors and DTP pharmacies to reach the wider market
- TPIAO, Yisaipu, EPIAO, SEPO and some of our other products are exported to a number of countries through international third-party promoters

### **Extensive Sales and Distribution Network**

- 2,727 sales and marketing employees, 345 distribution agencies and 1,561 third-party promoter agencies as of 30 June 2018
- Covered over 2,000 Grade III hospitals and over 11,000 Grade II or lower hospitals and medical institutions, reaching all provinces, autonomous regions and special municipalities in the PRC as of 30 June 2018

# 38% - 38.2% 37.9% <sup>(2)</sup> 38% - 36% - 35.0% 35.7%

2016

Sales and Distribution Expenses As % of Revenue

#### Notes

- 1 The increase was mainly attributable to the consolidate of Byetta since 11 October 2016, which requires higher level of investments in marketing activities at the early stage of its product life cycle
- 2 The increase was mainly attributable to the increased promotion activities for the Group's key products, especially TPIAO and Yisaipu, as well as the marketing activities associated with the launch of Bydureon

30%

2014

H1 2018

2017

### **Comprehensive Manufacturing Platform with Strategic CDMO Capabilities**

### **Strong and Comprehensive Manufacturing Capability**

### **Manufacturing Platform**

### **Shenyang Facility**

- In 2018, the mammalian cell-based production plant and the bacterial cellbased production plant were both certified under the latest edition of the Chinese GMP by the SDA
- Primarily for the manufacturing of TPIAO and EPIAO

### **Shenzhen and Songshan Lake (under construction) Facilities**

- In 2016, the Shenzhen production plant was certified under the latest Chinese GMP
- Mammalian cell-based production plant for manufacturing SEPO

### **Hangzhou Facility**

- Chinese GMP certified chemical drug production lines in 2010
- Small molecule production plant

### **CDMO Capabilities**

### **China CDMO Platform**









- 38,000L mAb facility which can establish the profitable and most sophisticated mAb CDMO player in China
- Proven track record on large scale commercial manufacturing with competitive cost
- Advanced pilot-scale antibody drug conjugate ( "ADC" ) facility with GMP capabilities

### **Europe CDMO Platform**











- Offers fill/finish service to its customers
- Total surface: 10,800 m<sup>2</sup>; warehouse: 2,400 m<sup>2</sup>
- Significant capacities in vial filling, lyophillization, pre-filled syringe filling, ampoules and vial packaging

# Comprehensive Manufacturing Platform with Strategic CDMO Capabilities (Cont'd) Complete Quality System Voluntarily Adhering to Global Standards













- Certified plant by 11 countries, including Ukraine, Brazil and Mexico
- QA personnel represent 20%+ of all manufacturing employees at the site
- QA Director has 20+ years of experience in pharmaceutical manufacturing and quality control, took leading roles at MNCs and was engaged in the drafting of national pharmaceutical guidelines and standards
- Pegsiticase manufactured at Shenyang facility could be used for the clinical trials in the US

- Certified plant 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 of pharmaceutical R&D, manufacturing and quality control experience, and is currently Vice Chairman of the Biomedicine Committee of Shanghai Pharmaceutical Association and Director of Shanghai Association for Quality
- Successfully passed all three spot checks since 2016

- All existing and new production lines are GMP certified in 2013 and 2016
- QA personnel represent 20%+ of all manufacturing employees at the site
- QA Director has 10 years of pharmaceutical R&D, manufacturing and quality control experience
- Successfully passed all six spot checks since 2016

- All 10 production lines for different dosage forms are GMP 2010 certified
- QA personnel represent 20%+ of all manufacturing employees at the site
- General manager has 10+ years of pharmaceutical R&D, manufacturing and quality control experience
- Has passed all six spot checks since 2016

- Serving 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

OA/OC personnel 255, accounts > 20% of total manufacturing personnel 991 within the Group



# Comprehensive Manufacturing Platform with Strategic CDMO Capabilities (Cont'd) CDMO Strategic Rationale

Enhancing Asset
Performance with our
Service Capability



- Operates one of the largest mAb commercial facility in China, with free capacity being able to offer contracted manufacturing services worldwide
- More than a decade experiences in the commercial manufacturing of monoclonal antibodies with competitive costs



- cGMP Authorized by EU to manufacture injectable pharmaceutical products in various formats
- Sirton Owns a mature CDMO business with the established customers from core markets (EU, North America, etc.)

Capturing the Growing market Opportunity in Biological CDMO

- Demand for prescription drugs shifts to biologics worldwide
- Explosive growth of investments in innovative biologic R&D
- Biosimilar becomes hot spots in North America and EU markets
- Demand for biological CDMO service increases rapidly due to the high barrier to entry
- China MAH System creates a huge market opportunity in the CDMO business of commercial manufacturing in China

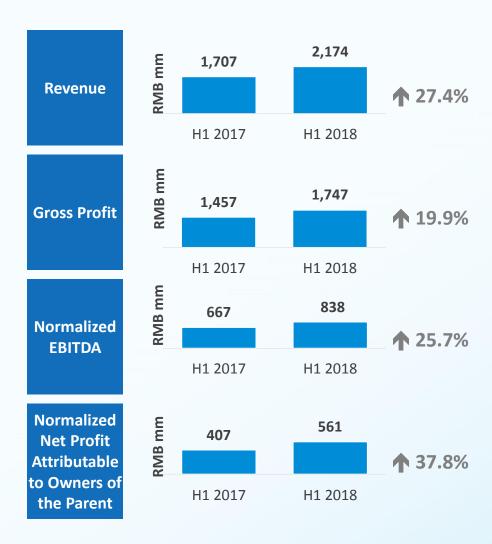
Promoting Revenue & Earning Growth, and Maximizing Shareholder Value

- Creates a new source of revenues through CDMO service in a short term
- Increase the operation efficiency and profitability by enhancing the fixed asset performance and capacity utilization in a mid term
- Intend to establish an independent, profitable and global biological CDMO business with a scale, credibility, capacity, capability and strong client base in several years
- Intend to maximize values for shareholders with available options based upon the market opportunity

# Section 2

2018 Interim Results Highlights

### **2018 Interim Results Overview**



### **Key Highlights of 2018 Interim Results**

#### New Growth

- TPIAO achieved 70.7% revenue growth. Hospital sales grew 101.0% according to IMS
- Yisaipu achieved 0.6% revenue growth. Hospital sales grew 36.9% according to IMS
- EPIAO and SEPO achieved 4.3% revenue growth
- Humulin contributed 5.5% overall revenue growth

#### New Development

- Completed Phase III trials of prefilled syringe of Yisaipu and expected to file manufacturing approval in H2 2018
- Completed Phase III trials of Clindamycin Phosphate and Tretinoin Gel for topical treatment of acne vulgaris, and expects to file for manufacturing approval in H2 2018
- Completed multiple Phase I clinical trials of NuPIAO (SSS06) and obtained an approval for Phase II and Phase III clinical trials
- Completed patients enrollment for Phase I trials of 602 and is planning Phase III pivotal trials in patients with colorectal cancer
- The Group has begun patients enrollment for TPIAO in surgery patients with hepatic dysfunction at the risk of thrombocytopenia. Received IND approvals for TPIAO's new indications for the pediatric ITP indication
- Initiating patient enrollment in Phase I AMD trial of 601A. Received IND approvals for this product to conduct clinical trials in patients with macular edema following RVO, mCNV and DME
- Resubmitted the NDA application of 302H to SDA

#### New Products

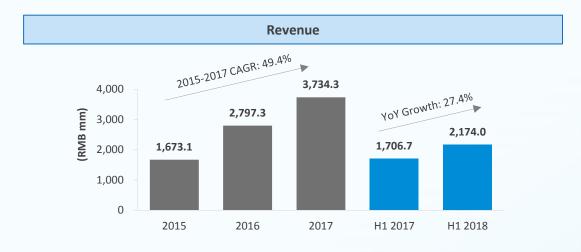
- Bydureon was launched in May 2018 in China as the first-to-market once-weekly therapy for type 2 diabetes in China
- Fluticasone Propionate Cream obtained manufacturing approval in August 2017 and launched in March 2018
- Tacrolimus Ointment was approved by SDA for pediatric indication in February 2018
- Entered into an Exclusive License Agreement with Toray for the commercialization of TRK-820 ("Remitch")
- Entered into research collaboration with Refuge on developing programmed therapeutic cells
- Entered into an agreement with BMT to acquire a calcium acetate tablet



# Section 3

Financial Review

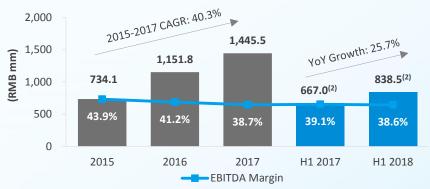
### **Robust Revenue and Profit Growth**



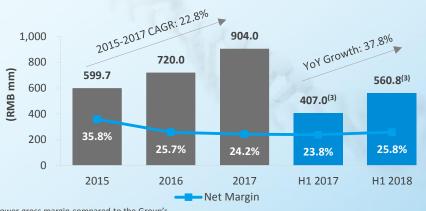
### **Gross Profit**



### **Normalized EBITDA**



### Normalized Net Profit Attributable to Owners of the Parent



#### Note:

- The decrease in gross margin is mainly attributable to the Group's consolidation of income associated with the promotion of Humulin, which had a lower gross margin compared to the Group's other businesses
- 2 Normalized EBITDA is defined as the EBITDA for the period excluding, as applicable:
  - (a) the expenses incurred in relation to the issuance of the Euro-denominated zero-coupon convertible bonds in an aggregate principal amount of €300,000,000 due 2022; (b) the option expenses associated with the options granted on 2 February 2017.
- The normalized net profit attributable to owners of the parent is defined as the profit for the period excluding the same items as listed in Note 2 above.



# **Market-Leading Products with Strong Growth Momentum**



- Yisaipu was consolidated since 1 April 2016.
- Hospital sales grew 36.9% in H1 2018 according to IMS. The slower growth of the Group's reported sales of Yisaipu than the hospital sales is primarily due to the Group's improvement of commercial policy. The new policy requires a lower level of channel stock, and as a result, the Group is able to negotiate more favorable commercial terms with the distributors.

426.8

87.4

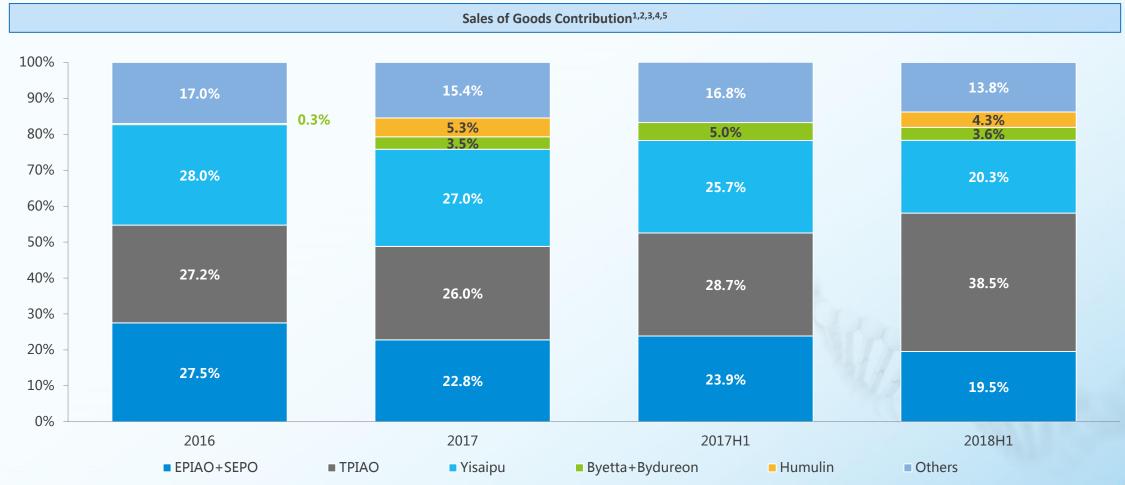
339.3

409.0

343.9

H1 2017 H1 2018

### **Product Mix and Contribution**



- Sales of TPIAO, Yisaipu, EPIAO and SEPO shown above are those generated in China
- Sales of Yisaipu for the 9 months from 1 April 2016 to 31 December 2016 were included for 2016 Byetta was consolidated into the Group's financials since 11 October 2016
- Humilin was consolidated into the Group's financials since July 2017
- Bydureon was launched in the China market since May 25, 2018





# THANKS

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# Appendix

# **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 research and development in 1995
- Led the manufacturing process development for EPIAO and TPIAO
- Obtained Ph.D from Fordham University in 1994 and completed post-doctoral study at the United States National Institute of Health in 1995
- A member of "The Recruitment Program of Global Experts" (also known as the "Thousand Talents Program" / 千人计划)



#### Mr. Kevin Xiao, Chief Operating Officer

• Extensive experience within PRC's pharmaceutical industry, including a role as chief executive officer of Hisun Pfizer Pharmaceutical from 2012 to 2015 where he oversaw the strategy and operations of the Hisun and Pfizer joint venture



#### Dr. Zhenping Zhu, President of Research & Development and Chief Scientific Officer

- · Served as EVP of Global Biopharmaceuticals, Kadmon Corporation and President of Kadmon China
- Served as VP and Global Head, Protein Sciences and Design at Novartis and VP of Antibody Technology and Immunology at 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, having worked across private equity, equity research and corporate



#### Ms. Su Dongmei, Director and Senior Vice President

- Served as director of research and development
- Named co-inventor for four of the Company's patents



### Dr. James Zhang, Vice President of Manufacture 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
- Also served as an executive director on the board of directors of Huadong Pharmaceutical and China Grand Pharmaceutical and Healthcare Holdings
- A member of "The Recruitment Program of Global Experts" (also known as the "Thousand Talents Program" / 千人计划)

### **Extensive Experience**

Senior management team on average has > 15

years of experience in the biotechnology or
pharmaceutical industries

### **In-depth Knowledge**

Many have worked with overseas leading global biopharmaceutical companies. They bring extensive industry experience and in-depth knowledge

### **Diversified Expertise**

Experience and expertise range from research and development to manufacturing, sales, marketing and distribution

