

# Advances in Biopharmaceutical Technology in China, 2nd Ed

https://marketpublishers.com/r/A15DFBAE4E7EN.html

Date: September 2018

Pages: 1154

Price: US\$ 2,950.00 (Single User License)

ID: A15DFBAE4E7EN

#### **Abstracts**

Society for Industrial Microbiology and Biotechnology and BioPlan Associates

Advances in Biopharmaceutical Technology, 2nd ed - A new opportunity exists in working with Chinese companies to establish scientific and business partnerships, and to create effective strategies. However, success in Asia will require changes in partnerships between Western and Asian companies.

Every company faces the question "What should our China strategy be?"

This volume, published by BioPlan Associates, Inc., in cooperation with the Society for Industrial Microbiology and Biotechnology (SIMB) provides an overview of the biopharmaceutical industry, and the state of technology in China. A peer-reviewed, ready reference for all aspects of biopharmaceuticals in China, including an understanding of the China biopharma current situation, and future opportunities. Readers receive a comprehensive assessment of the state-of-the-industry, trends and analysis. information on all types of organizations involved in biopharma in China, whether they are domestic. multinational or government.

Readers will be able to:

Assess the state of biopharmaceutical development in China

Understand general business practices

Analyze business opportunities and identify potential partners



By the Numbers:

102 Internationally Recognized Authors

9 Sections, 55 Chapters

21 Peer-Reviewers

1,139 Pages

70 Translated Sections

7 Case Studies and China Briefs

200+ Tables and Figures

300+ References

Over 2,000 Index Entries

#### **Author Organizations**

Amgen Asia Research and Development Center

Anhui Anke Biotechnology (Group) Co., Ltd.

AstraZeneca/MedImmune

AutekBio

BeiGene (Suzhou) Co., Ltd.

Beijing Minhai Biotechnology Co., Ltd.

**Beijing University** 

Betta Pharma Co., Ltd.



Boehringer Ingelheim China	
CanSino Biologics Inc.	
Celgene Pharma	
Cellyan Therapeutics (Wuhan) Co., Ltd.	
Changzhou High-Tech Research Institute of Nanjing Universi	ty
China National Center for Biotechnology Development (CNCI	3D)
China Technology Exchange	
Chinese Academy of Sciences	
Chinese Pharmacopoeia Commission	
Complya Asia Co., Ltd.	
CStone Pharmaceuticals	
Dacheng LLP	
Doer Bio	
Fudan University	
Genor BioPharma	
Guangzhou Nanotides Pharmaceuticals, Co. Ltd.	
Hengrui Pharma	
Hua Medicine	
Huaota Biopharma	

ImmuneOnco Biopharmaceuticals (Shanghai) Co., Ltd.



Innova Med Biotechnology Co., Ltd. **Innovent Biologics** Jiangsu TargetPharma Laboratories Inc. Jiayu (Suzhou) Biomedical Incorporated Jilin University L.E.K. Consulting Macau University of Science and Technology Nanjing University **Peking University** Perkins Coie, LLP PersonGen Pharmcodia **Pullan Consulting** Qiming Venture Partners Quacell Biotechnology Company Ltd. Renmin University SDIC Fund Shanghai Institutes for Biological Sciences

Shenzhen Polytechnic University



Shenzhen Research Institute of Nanjing University

Sichuan University

Sinolink Securities Institute

Suzhou Sirnaomics Pharmaceuticals, Co. Ltd.

Tasly Sants Pharmaceutical

Tianjin International Joint Academy of Biomedicine

Tot Biopharm Co., Ltd.

VenturePharma

Walter Biotech Consultancy

Wuhan YZY Biopharma Co., Ltd.

WuXi Biologics

Xiamen Wantai Canghai

XingYe Securities

Yusen Capital

Zai Lab.

Zensun (Shanghai) Sci & Tech Co., Ltd.

Zhejiang Hisun Pharmaceutical Co., Ltd.

Zhejiang Teruisi Pharmaceutical Inc.

Our Team in the News



Lynn Johnson-Langer, Advisory Member.

Dr. Lynn Johnson-Langer has her PhD from Antioch University in management; she graduated Johns Hopkins University, MBA, Business Management; University of Maryland, BS Microbiology. She works with biotechnology and life sciences organizations to improve clients' management systems, including human resources and marketing management.

Eric Langer, Managing Partner.

Eric Langer, President and Managing Partner, has over 20 years experience in biotechnology and life sciences international marketing, management, market assessment, and publishing. He has held senior management and marketing positions at biopharmaceutical supply companies. He is an experienced biotechnology strategist, marketing practitioner, publisher, and researcher.



#### **Contents**

#### **SECTION 1: INTRODUCTION TO ADVANCES IN CHINA**

Biopharmaceuticals

**CHAPTER 1: INTRODUCTION: A CHINA BIOPHARMACEUTICALS STRATEGY** 

Andrew D. Skibo

SECTION 2: INNOVATION IN CHINA BIOPHARMACEUTICALS: HISTORICAL AND

**Current Climate** 

### CHAPTER 2: BIOLOGICS INNOVATION IN CHINA: HISTORICAL AND CURRENT DRIVERS

Vicky (Qing) Xia and Leo (Yang) Cai

2-1. Review of Chinese Innovation in Biopharma: 2007-2016

CHEN Daming, MA Zhengyuan, MAO Kaiyun, and JIANG Hongbo, PhD

2-2. Scientific Strategies in China: Starting with Biosimilar Platforms

YUAN Jun, GANG Hai, WANG Jing, LIU Moli, WU Haofei, KUBIN Zachary, FANG WeiJie, and POON H. Fai

2-3. Development of Innovative Therapeutics in China

Dr. DING Lieming and Dr. KUANG Licong

2-4. Opportunities and Challenges for Drug Innovation in China

Dr. Frank Jiang

2-5. Pathway for Access to China Markets for Innovative Therapeutics

Dr. SHAN Guohong

2-6. China on the Biopharmaceutical Fast Track? Challenges to Innovation

Dr. HUANG Yanshan

2-7. Advances in R&D for mAb Therapeutics Development

WANG Li and Dr. HU Siyi

2-8. Current Status and Future of China's mAb Therapeutics

ZHANG Meiyun and ZHANG Mingqiang

Brief 2-9. Challenges and Opportunities in Innovative Drug Development in China

Dr. CAO Guoqing and CHEN Kan

Brief 2-10. Launching Biologics in China: From Biosimilar to Innovative Molecules

Key Considerations for MABs and Biologicals



Joe Zhou, PhD and SHI Jinhai, PhD

Brief 2-11. Accelerating R&D of Biological Drugs in China

Dr. LUO Jiali

Brief 2-12. China's Biopharma Innovation--Creating Opportunities

LI Kechun

Brief 2-13. International Biopharma Expansion into China: A Survey of

Market Entry Interest

Helen Chen

### SECTION 3: BIOPHARMACEUTICALS AND HEALTHCARE SYSTEMS AND STRUCTURE IN CHINA

### CHAPTER 3: OVERVIEW AND REVIEW OF THE CHINESE BIOLOGICAL PHARMACEUTICAL MARKETS

Vicky (Qing) Xia and Leo (Yang) Cai

3-1. Reform of Drug and Medical Device Review and Approval Systems

Dr. LIN Hui

3-2. China's Healthcare Reform: How China is Increasing Domestic Access to Healthcare

Prof. HU Shanlian

3-3. China's Regulatory Reform in Healthcare and its Impact on Biopharma Industry Growth

HEI Yong-jiang, M.D., PhD

3-4. Reforms and Trends in China's Healthcare Insurance System

Professor QIU Yulin

3-5. New Drug Evaluation System in China

Dr. XU Jiaxi and Dr. ZHANG Jiabo

3-6. Approval Process for Biologics: A US-China Comparison

YU Wen-Liang, LI Jia-Huang, and HUA Zi-Chun

## SECTION 4: BIOPHARMACEUTICAL MANUFACTURING IN CHINA: OPERATIONAL AND QUALITY TRENDS

#### **CHAPTER 4: INTRODUCTION TO BIOMANUFACTURING IN CHINA**

Vicky (Qing) Xia and Leo (Yang) Cai

4-1. Manufacturing of Biopharmaceuticals in China

Scott M Wheelwright, PhD



4-2. Historical Development of Good Manufacturing Practices in China

YI Jizu, YAO Lan, and YUAN Jianrong

4-3. Current Challenges in Biopharma Quality Management in China

Claudia (Qiao) Lin, PhD

4-4. National Standards for Chinese Biological Products

**GUO Zhongping** 

4-5. Advances in China Pharma Manufacturing

Dr. WANG Baoyi and WANG Tingting

4-6. Recombinant Protein Drug Quality Control

Dr. YI Jizu and XIONG Hui

4-7. GMP Implementation: The "Made in China 2025" Plan

ZHOU Jingtao

4-8. Single Use Technology in China's Biomanufacturing

Dr. Joachim K Walter

4-9. Biologics Manufacturing Costs in China

XU Wei

4-10. Impact of CFDA Reform on CMC Strategy at IND Stage

Dr. LUO Xiaoyu

4-11. Overview of Biopharmaceuticals Contract Manufacturing

Organizations in China

ZHOU Weichang, Jill Cai, and WANG Fenglin

4-12. Establishing a Management Pattern for Pharmaceuticals Using the

Enterprise Resource Planning System

**HUANG Sanshan** 

4-13. Bioprocessing Equipment Strategy in mAb Manufacturing in China

**HUANG Sanshan** 

4-14. Tech Transfer in mAb Manufacturing

LIU Ziliang

Brief 4-15. Advances in the Biopharmaceutical Manufacturing Industry in China

XU Bo, PhD

#### SECTION 5: ADVANCES IN BIOLOGICAL DEVELOPMENT IN CHINA

#### CHAPTER 5: INTRODUCTION TO BIOLOGICAL DEVELOPMENT IN CHINA

Vicky (Qing) Xia and Leo (Yang) Cai

5-1. Monoclonal Antibody Drug Development in China

Dr. DU Yi and Dr. ZHU Xiangyang

5-2. Development of Antibody-Drug Conjugates in China



Dr. SONG Hongbin

5-3. Therapeutic Developments for Rare Diseases in China

JIN Xiaowei and CHEN Li

5-4. CarT-China: Advances in Personalized Medicine

Dr. YANG Lin

5-5. RNAi in China: Novel Therapeutics in China

Patrick Lu, Parker J. Guan, Danny Tang, Jeffery Y Cai, Tom TY Zhong, and Grace YH Gao

5-6. Clinical Trials and Regulatory Oversight of Mesenchymal Stem Cell Therapies in China

WANG Yan, PhD

#### **SECTION 6: VACCINE INDUSTRY IN CHINA**

#### **CHAPTER 6: INTRODUCTION TO CHINA'S VACCINE INDUSTRY**

Vicky (Qing) Xia and Leo (Yang) Cai

6-1. Historical Review of China Vaccines: 2007-2016

WANG Yan, PhD

6-2. Innovative Developments in China's Vaccine Industry

Dr. PAN Huirong

6-3. China's Vaccine Industry: Current Landscape and Key Product Segments Dr.

WANG Huan

6-4. Current State and Overview of the Chinese Vaccine Market

**ZHENG** Haifa

### SECTION 7: BIOPHARMA CONTRACT SERVICES AND CLINICAL TRIALS IN CHINA

### CHAPTER 7: INTRODUCTION TO CHINA'S CHALLENGES AND OPPORTUNITIES IN SERVICES OFFERINGS IN CHINA

Vicky (Qing) Xia and Leo (Yang) Cai

7-1. Conducting International Multicenter Clinical Trials in China

Dr. WANG Haibo and Dr. ZHANG Xiaofang

7-2. Current and Future Development of CROs in China

SONG Xue Mei

7-3. Future of CRO's in China: An Investor's Point of View

SUN Xiaoyue and LI Jinglei



### SECTION 8: DOING BUSINESS IN CHINA: INVESTMENT AND INTELLECTUAL PROPERTY

### CHAPTER 8: INTRODUCTION TO INVESTING IN CHINA PHARMA AND BIOPHARMA INDUSTRY

Vicky (Qing) Xia and Leo (Yang) Cai

8-1. IP and Biopharma in China

Michael Wise, Dr. WANG Yingli, and YANG Tang

8-2. Trends and Characteristics of Intellectual Property in China's Biopharmaceutical Industry

JIANG Zhenggang

8-3. Investing in the Biopharmaceutical Industry in China

YIN Zheng and XU Yuxin

8-4. An Invitation to Invest in Biomedicine in China

Dr. HUA Zhaozhe

8-5. China's Investment Outbound in the Global Biopharmaceutical Industry

Dr. LIN Hui

8-6. International Status and Path Analysis of China's Pharmaceutical Products

ZHU Xun, LIANG Bo, QIAN Wanying, CUI Yi, and DING Hongxia

8-7. China Licensing Deals for Biologics

Linda M. Pullan, PhD

8-8. Legal Issues: Commercial Bribery in Pharmaceutical Companies in China

**DENG** Yong

8-9. Marketing Authorization Holder Options Under Cost Control

Dr. LI Zhiliang

8-10. Industrial Policy and Tech Transfer in China's Biopharma Industry

Mr. HUA Yutao and Dr. LI Pingping

8-11. Slow Transformation: An Overview of China Pharmaceutical Business Vicky

(Qing) Xia, Leo (Yang) Cai

Brief 8-12. Intellectual Property Trading in China's Pharmaceutical Industry

LI Zhonghua

8-13. Case Study: Doing Business in China

Vicky (Qing) Xia, Leo (Yang) Cai

#### **SECTION 9: FUTURE OF CHINA'S BIOPHARMA INDUSTRY**

Brief 9. Future Prospects for China Biopharma



Chris Chen and Kevin Huang
Appendix A
Directory of Biologics on Market & Clinical Development in China
Appendix B
Directory Top 60 Biopharmaceutical Facilities in China
Index



#### I would like to order

Product name: Advances in Biopharmaceutical Technology in China, 2nd Ed

Product link: <a href="https://marketpublishers.com/r/A15DFBAE4E7EN.html">https://marketpublishers.com/r/A15DFBAE4E7EN.html</a>

Price: US\$ 2,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

### **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/A15DFBAE4E7EN.html">https://marketpublishers.com/r/A15DFBAE4E7EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:		
Last name:		
Email:		
Company:		
Address:		
City:		
Zip code:		
Country:		
Tel:		
Fax:		
Your message:		
	**All fields are required	
	Custumer signature	

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970