



CONSORTIUM FOR GLOBALIZATION OF CHINESE MEDICINE

中药全球化联盟



Beijing
北京

China-Japan Friendship Hospital

Ping Li



Beijing	
1	Beijing Cancer Hospital & Institute
2	Beijing Technology and Business University
3	Beijing University of Chinese Medicine
4	China Academy of Chinese Medical Science
5	China-Japan Friendship Hospital
6	Chinese Academy of Medical Sciences & Peking Union Medical College
7	Institute of Microbiology, CAS (IM-CAS)
8	National Engineering Research Center for Crop Molecular Design (NCCMD)
9	Peking University
10	PLA Institute of Chinese Materia Medica
11	Tsinghua University

Contents

1. Two national award in Beijing

- 1) Establishment and Application of Traditional Chinese Medicine body constitution identification system**
- 2) “Construction and demonstration application of eco-planting theory and technology system for CMM (Chinese material medica)”**

2. Research on the safety of TCM in Beijing



2023 国家科学技术进步奖 二等奖

The second level prize of National Science and Technology Progress
Award in Beijing University of Chinese Medicine

Establishment and Application of Traditional Chinese Medicine body constitution identification system



Prof.王琦
Academician of Chinese
Academy of Engineering



Professor王济 in
Beijing University of
Chinese Medicine



Establishment and Application of Traditional Chinese Medicine body constitution identification system



Whole life cycle Traditional Chinese Medicine body constitution identification

Multi dimensional Traditional Chinese Medicine body constitution identification

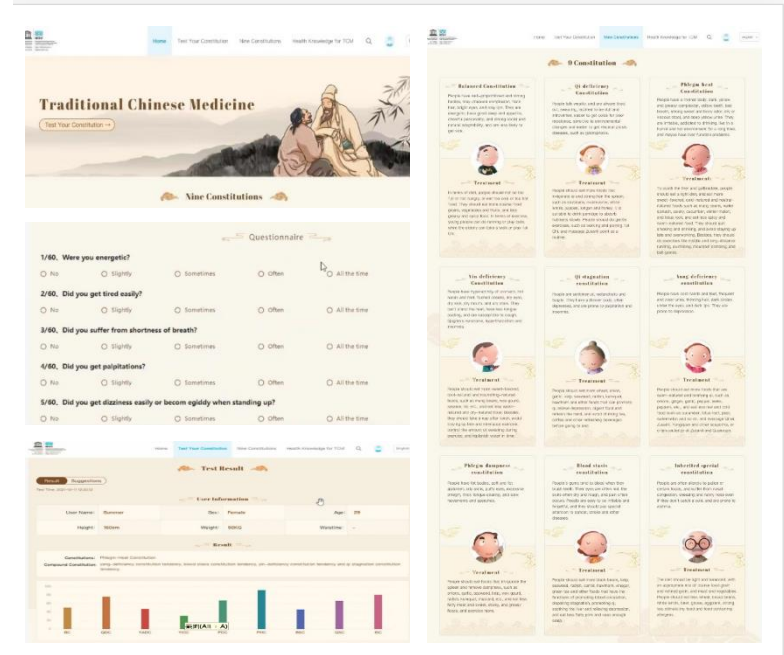
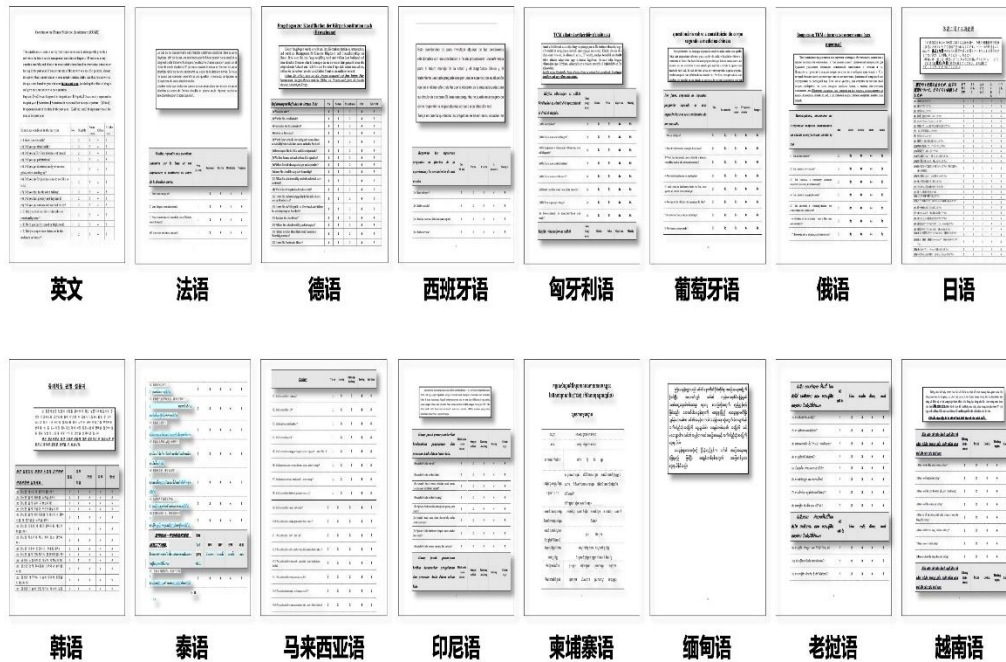
Establishment and Application of Traditional Chinese Medicine body constitution identification system



Proactive health, preventing and treating diseases based on body constitution identification system

Develop a Traditional Chinese Medicine Body Constitution Scale in 16 foreign languages, and apply in over 30 overseas countries and regions

Traditional Chinese Medicine body constitution identification has been listed as a part of UNESCO's Traditional Chinese Medicine health services



Nine body Constitution



2023 国家科学技术进步奖 二等奖

The second level prize of National Science and Technology Progress
Award in China Academy of Chinese Medical Science

“Construction and demonstration application of eco-planting theory and technology system for CMM (Chinese material medica)”



Prof. 黄璐琦
Academician of Chinese
Academy of Engineering



Prof. 郭兰萍 in
China Academy of Chinese
Medical Science

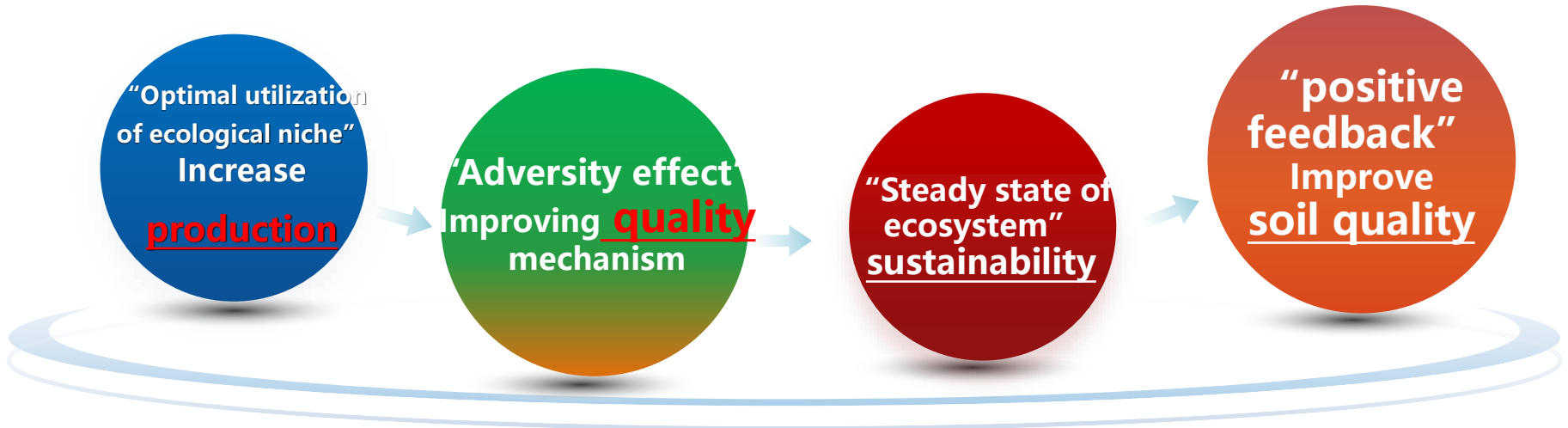


“Construction and demonstration application of eco-planting theory and technology system for CMM (Chinese material medica)”

Overall idea: Combining theory with practice

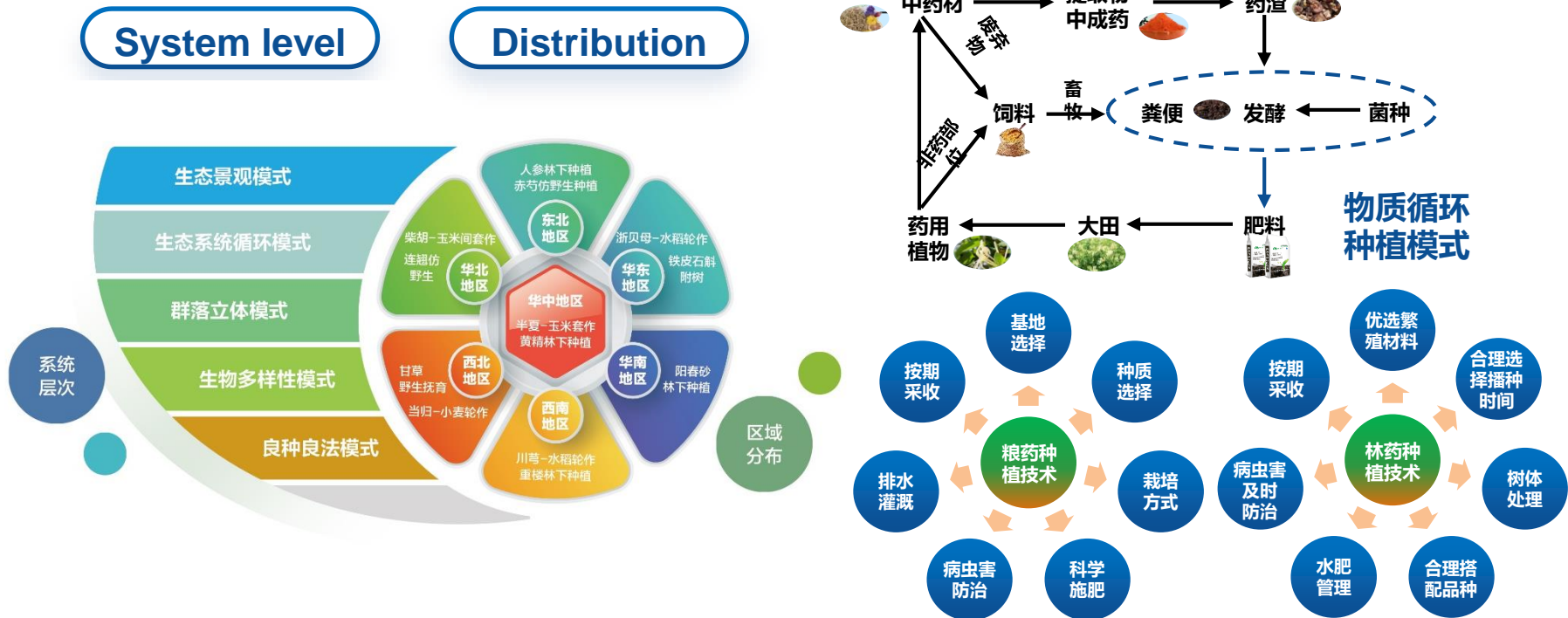


Revealed the four core mechanisms of eco-planting of CMM



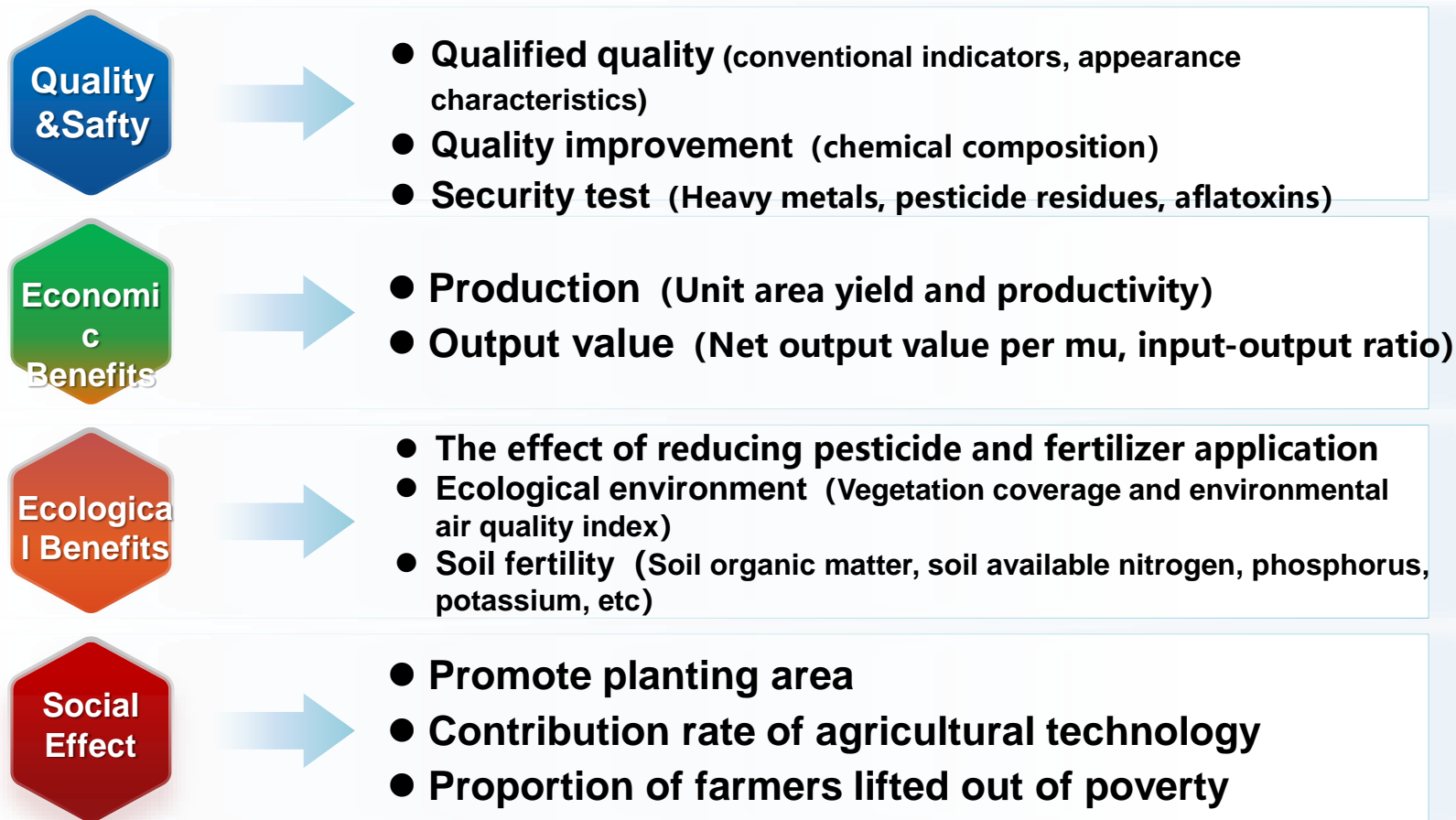
For the first time, the core mechanism of the enormous advantages of eco-planting of CMM was systematically elucidated from four dimensions: **production, quality, sustainability, and soil quality**

Established an eco-planting model and supporting technical system for CMM



- A framework for eco-planting of CMM based on system hierarchy has been constructed, forming 120 eco-planting modes of CMM such as landscape ecology and ecosystem circulation, laying the foundation for a comprehensive breakthrough in traditional chemical agriculture cultivation modes.

Innovated the evaluation technology system and standard system for eco-planting of CMM



Contents

1. Two national award in Beijing

- 1) Establishment and Application of Traditional Chinese Medicine body constitution identification system
- 2) “Construction and demonstration application of eco-planting theory and technology system for CMM (Chinese material medica)”

2. Research on the Safety of TCM in Beijing

Major Program of National Natural Science Foundation of China

国家自然科学基金重大项目

Study on the Toxicity Attenuation Compatibility of 'Toxic' Traditional Chinese Medicine Commonly Used in Clinical Chinese Medicine

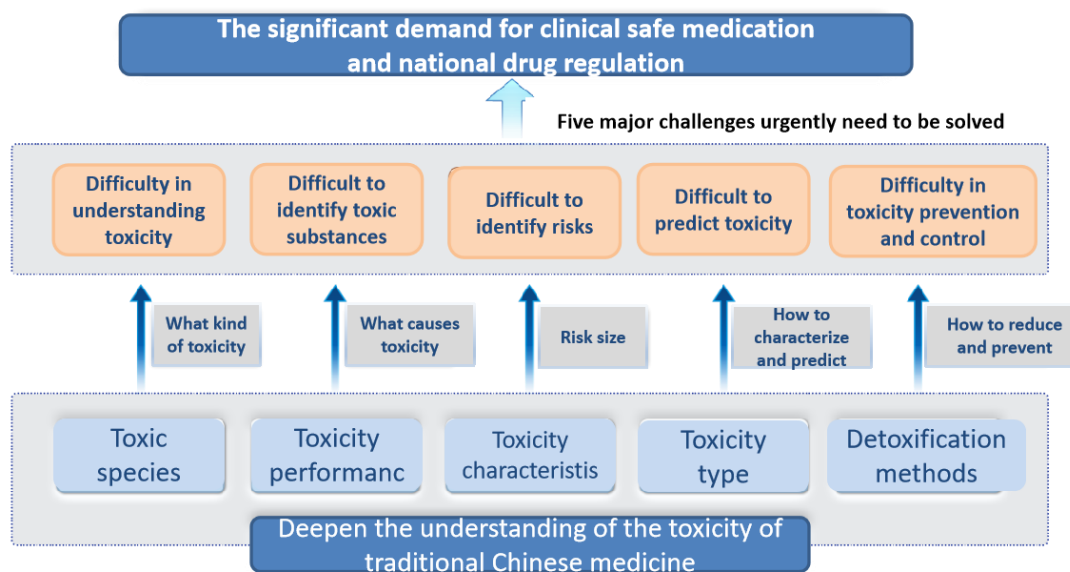
The safety of traditional Chinese medicine faces new problems and challenges



Professor

Gao Yue

Beijing Institute of
Radiation
Medicine(BIRM)



Compatibility methods

more studies on major toxins and fewer on minor toxins

More clinical applications, less basic research

more studies on enhancing efficiency and fewer on reducing toxicity

more traditional methods and fewer modern methods

Characteristics of minor toxic traditional Chinese medicine

Less research

Hidden toxicity

Wide range of target organs

Widely used in clinical

Complex toxic components

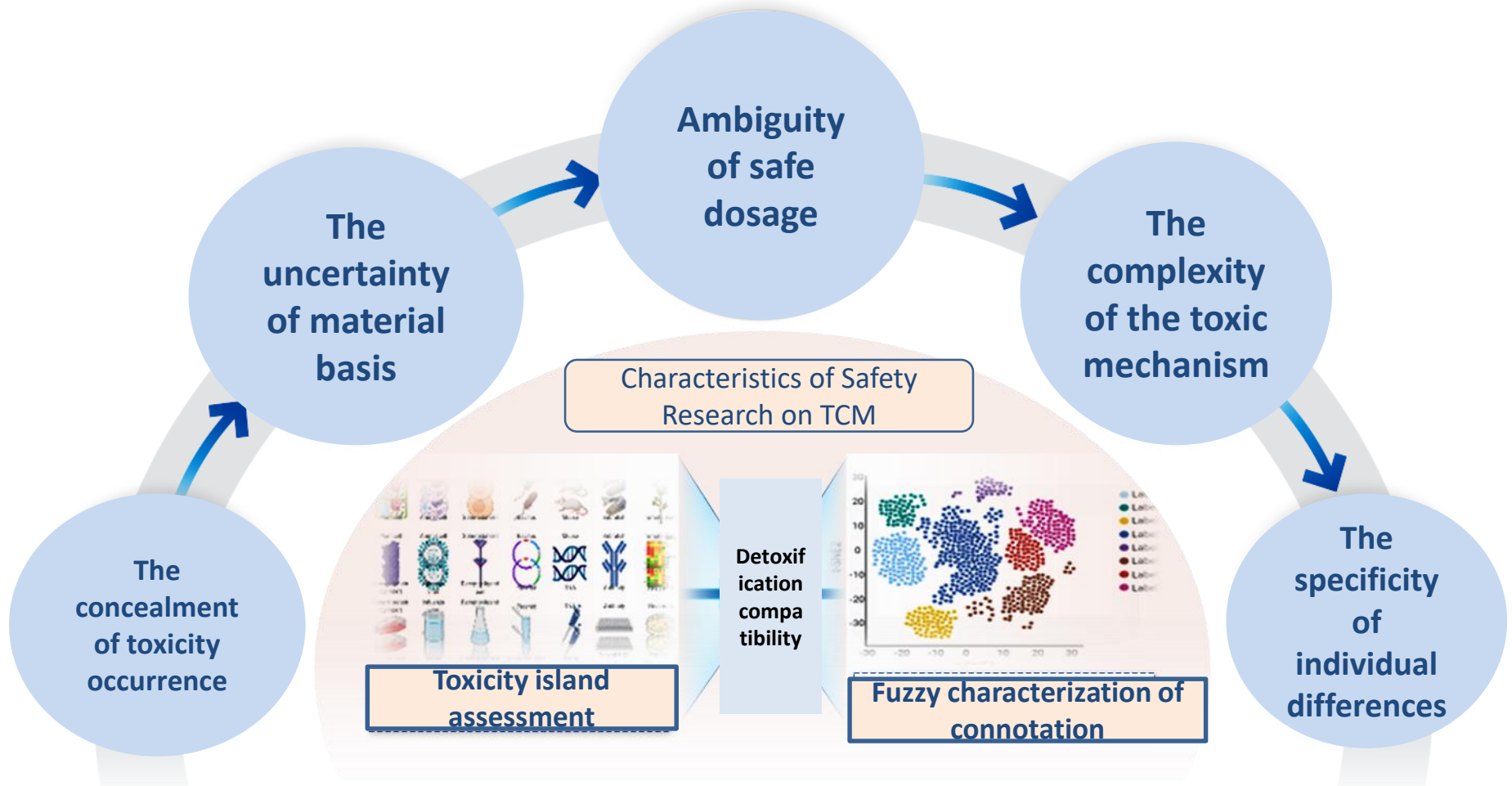
Toxic characteristics of traditional Chinese medicine

Using poison as effect

Dual effect

Toxic effect conversion





How toxic traditional Chinese medicine interacts with the body and produces toxicity, and how to reduce toxicity

The combination of traditional Chinese medicine for reducing toxicity lies in the use of "two types and three mechanisms" and other compatibility methods to generate drug body and drug drug interactions, coordinate the conversion of toxic effects, and achieve the goal of reducing toxicity and increasing efficacy



Detoxification
compatibility

Fear and kill
each other

Mutual restraint and attenuation mechanism

Reduce the concentration of
toxic substances in the body

Reduce the toxic
effects of TCM

synergistic effect

enhancing and toxicity reducing

Reduce the dosage of
toxic TCM

two
types
and
three
mechanisms

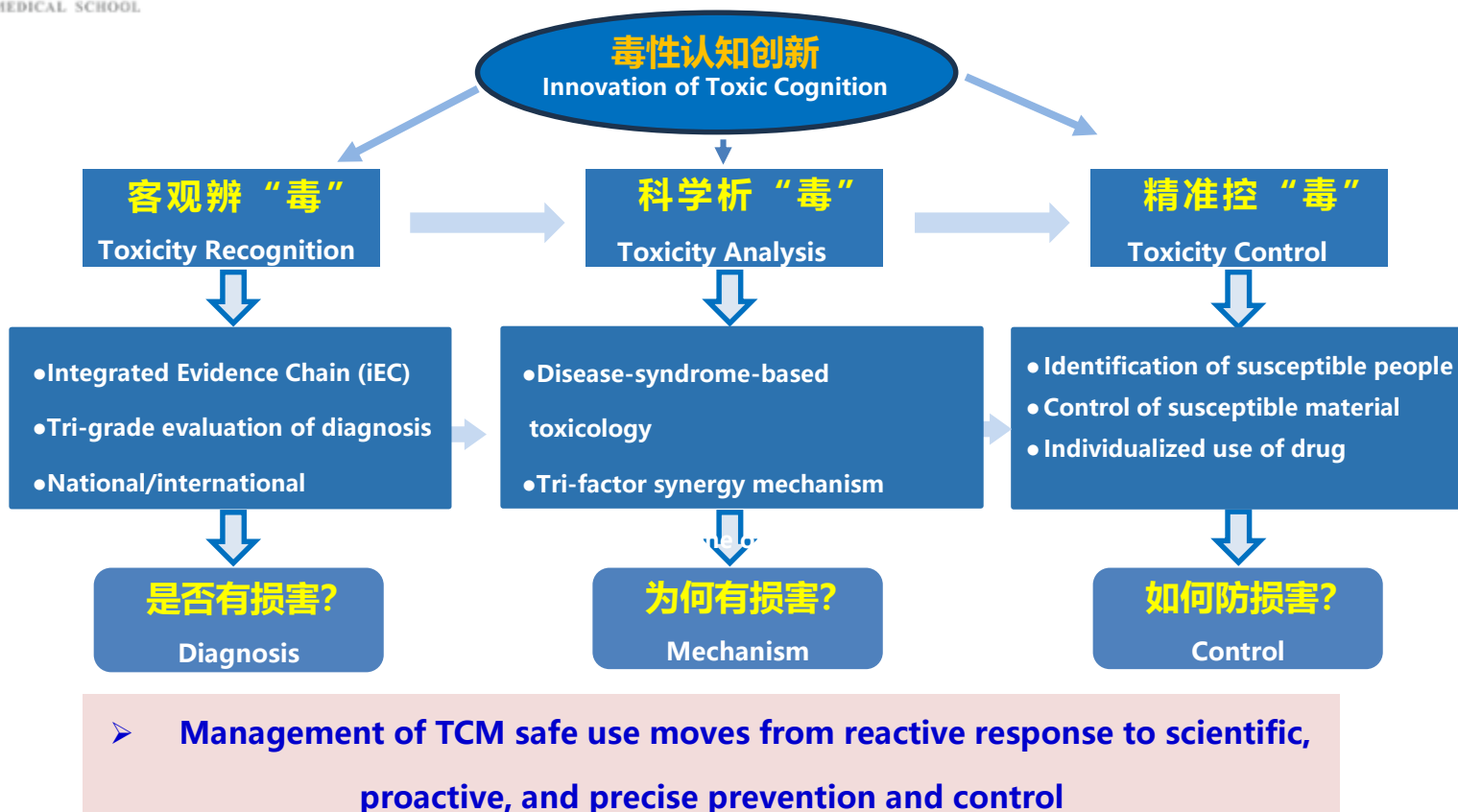
(一) 以肝损伤为代表, 创建中药安全风险防控全链条关键技术体系

Key technology system for risk prevention and control of TCM safety in whole chain



Professor
Xiao-he Xiao
301 Hospital

中草药肝损伤
为代表



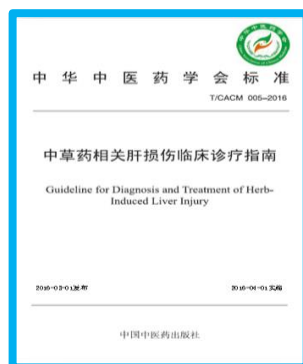
领衔研制中草药相关肝损伤诊-治-防“学会-国家-国际”指南

Association-national-international guideline for diagnosis and treatment of HILI

China Association of Chinese
Medicine

Guideline for Diagnosis and
Treatment of Herb-induced Liver
Injury, 2016

组长：肖小河，李秀惠



National Medical Products
Administration

Technical guidelines for clinical
evaluation of liver injury
induced by traditional Chinese
medicine

组长：肖小河，唐健元

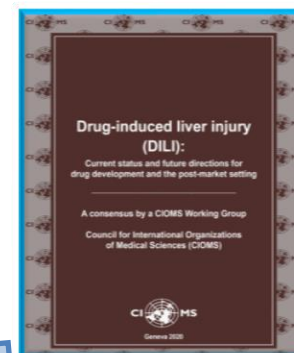


WHO-CIOMS

International consensus of Herb-
induced Liver Injury, 2020

负责：第8章 草药和膳食补充剂

专章负责人：肖小河，王伽伯



Integrated Evidence Chain (iEC)+Tri-grade evaluation of diagnosis+People-Drug-Use system

➤ Winning the discourse power in establishing intl DILI guidelines



中药全球化联盟

CONSORTIUM FOR
GLOBALIZATION OF
CHINESE MEDICINE



中日友好医院
CHINA-JAPAN FRIENDSHIP HOSPITAL

第20届中药全球化联盟会议

20th MEETING OF CGCM

THANK YOU FOR YOUR ATTENTION!

