



**Hong Kong Boren Institute of Traditional Chinese Medicine**

**White Paper on Scientific Research  
Directions and Industrialization Planning of  
Hong Kong Boren Institute of Traditional  
Chinese Medicine  
(2025 - 2030)**

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## I. Background and Vision

The Hong Kong Boren Institute of Traditional Chinese Medicine (hereinafter referred to as "the Institute"), based on the international window of Hong Kong and relying on the policy and resource advantages of the Guangdong - Hong Kong - Macao Greater Bay Area, adheres to the core concept of "Inheritance, Innovation, and Internationalization", and is committed to promoting the modernization and globalization of traditional Chinese medicine. In response to the national call of "Improving the Inheritance and Innovation Development Mechanism of Traditional Chinese Medicine" (2025 Government Work Report), the Institute combines the advantages of Hong Kong's scientific and technological innovation ecosystem and internationalization to build an innovative platform for in - depth integration of industry, education, and research, helping traditional Chinese medicine become the "Chinese Solution" in the global health field.

## II. Scientific Research Directions

### 1. Modern Scientific Analysis of Traditional Chinese Medicine Theories

**Core Task:** Use technologies such as artificial intelligence and molecular biology to analyze the material basis of efficacy and action mechanisms of

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**traditional Chinese medicine compound prescriptions, breaking through the bottleneck of "knowing what it does but not why it does so".**

**Key Areas:**

**Compound Prescription Research: Asthma Sihe Prescription, Dahuang Jiulong Decoction (under clinical trials).**

**Combination of Disease and Syndrome: Develop a biological evaluation system for integrated traditional Chinese and Western medicine diagnosis and treatment, and establish animal models and clinical efficacy evaluation standards that conform to the characteristics of traditional Chinese medicine.**

**2. Development and Standardization of New Traditional Chinese Medicine Drugs**

**Technical Path: Develop high - purity traditional Chinese medicine active ingredient preparations (such as artemisinin derivatives, tripterygium glycosides) based on advanced technologies such as supercritical CO<sub>2</sub> extraction and nano - formulation. Establish a quality traceability system for the entire industry chain of Chinese medicinal materials, and promote the standardization of GAP planting and processing techniques for authentic medicinal materials.**

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### **III. Industrialization Planning**

#### **1. International Traditional Chinese Medicine Service and Trade Network**

**Clinical Service Bases:** Set up integrated traditional Chinese and Western medicine diagnosis and treatment centers in Hong Kong and the Greater Bay Area, attracting international patients to experience the efficacy of traditional Chinese medicine and creating an international window with "efficacy as the brand".

**Cross - border E - commerce Platform:** Relying on the advantages of Hong Kong as a free trade port, build a cross - border supply chain for Chinese patent medicines and health products, radiating to Southeast Asia, Europe, and the United States.

#### **2. Integration and Coordinated Development of the Whole Industry Chain**

**Midstream:** Collaborate with institutions such as the Lingnan Traditional Chinese Medicine Cultural Expo Park to develop high - value - added health products such as traditional Chinese medicine essential oils and cosmeceuticals.

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**Downstream: Cooperate with time - honored brands like Chen Li Ji and Pan Gao Shou to promote the modern production and brand upgrading of classic famous prescriptions.**

### **3. Scientific and Technological Innovation and Achievement Transformation Platform**

**Industry - University - Research 1+ Plan: Learn from the model of Hong Kong's "HK\$10 billion Industry - University - Research 1+ Plan", set up a special fund to support the transformation of university team achievements (such as AI - assisted diagnosis equipment, intelligent decocting systems).**

**International Cooperative Laboratory: Jointly build an "Immune Defense and New Drug R & D Platform" with the Hengqin Traditional Chinese Medicine Laboratory, focusing on the fields of anti - virus and anti - tumor.**

## **IV. Guarantee Measures**

### **1. Policy and Financial Support**

**Connect with the Hong Kong Traditional Chinese Medicine Development Fund (which has funded over 8,800 projects in total), and give priority to supporting international and standardized projects.**

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**Apply for key projects of the National Natural Science Foundation (such as the "Outstanding Young Scientist" and "Excellent Young Scientist" programs) to make up for the shortage of high - end talents in the field of traditional Chinese medicine.**

## **2. Intellectual Property Protection**

**Promote the hierarchical protection system for traditional Chinese medicine confidential formulas to balance the inheritance of traditional secret formulas and commercial returns.**

**Collaborate with the Hong Kong International Arbitration Centre to establish a cross - border intellectual property dispute resolution mechanism.**

## **3. Talent Agglomeration and Cultivation**

**Through Hong Kong's "High - End Talent Pass Scheme" and "Technology Talent Admission Scheme", introduce top - notch scholars and industry experts from around the world.**

**Cooperate with the Hong Kong Advanced Institute of Sun Yat - sen University to jointly cultivate interdisciplinary masters and doctors in "Traditional Chinese Medicine + AI" and "Traditional Chinese Medicine + Finance".**

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## V. Outlook

**By 2030, the Institute will build a trinity traditional Chinese medicine innovation hub integrating "basic research - technology transformation - global application", striving to achieve:**

**Scientific Research Breakthroughs: Publish more than 10 papers in sub-journals of Nature and Science, and obtain 5 international patents.**

**Industrial Scale: Drive the output value of traditional Chinese medicine in the Greater Bay Area to exceed HK\$50 billion, and cultivate 3 unicorn enterprises.**

**International Influence: Set up traditional Chinese medicine centers in 20 countries and promote the inclusion of traditional Chinese medicine in the WHO's global traditional medicine strategy.**

### References

**This white paper refers to and integrates national policies, academic research, and industrial practice results. For specific sources, please refer to the annotations in each chapter.**

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