

Macao Funding Scheme for Key R & D Projects 2023

Traditional Chinese Medicine and the “Big Health”

Application Guideline for Projects of

Traditional Chinese Medicine (Health Products)

I. Background

In 2022, the General Office of the State Council issued the “14th Five-Year Plan” for Traditional Chinese Medicine Development Planning” (hereinafter referred to as the “Planning”), which comprehensively deployed the work of traditional Chinese medicine during the “14th Five-Year Plan” period. The Planning clearly states that by 2025, the health service capacity of traditional Chinese medicine will be significantly enhanced, policies and systems for high-quality development of traditional Chinese medicine will be further improved, and positive results will be achieved in the revitalization and development of traditional Chinese medicine, in which its unique advantages in building a Healthy China will be fully utilized. The “Planning” has deployed ten key tasks, which include “developing the health service industry for traditional Chinese medicine” and mentioned “enriching the supply of traditional Chinese medicine health products. To carry R&D of traditional Chinese medicine health products, with a focus on health food, special medical formula food, functional cosmetics, and daily chemical products”.

The “Policy Address for the Fiscal Year 2023” issued by the Macao SAR government proposes to adopt a “1+4” moderately diversified development strategy, in which the big health industry is listed as one of the four key industries and traditional Chinese medicine is regarded as the advantage and important entry point for the development of Macao’s health industry. The the “Second Five-Year Plan for Economic and Social Development of the Macao Special Administrative Region (2021-2025)” proposes to “further allocate resources to promote the R&D of classic and famous traditional Chinese medicine formulas, innovative R&D of traditional Chinese medicine, quality control and standardization technology of traditional Chinese medicine, and development of traditional Chinese medicine health product”. The Ministry of Science and Technology, in 2010, approved the establishment of a State Key Laboratory of Quality Research in Chinese Medicine in Macao. Through more than a decade of development, Macao has achieved fruitful results in the talent cultivation in traditional Chinese medicine, scientific research development, and the building of an international platform. The “Industry-University-Research” chain is becoming increasingly strong, which has been equipped with conditions to develop into a new pole for growth.

In order to fully leverage Macao’s advantages in the development of traditional Chinese medicine, further integrate existing advantaged resources and enhance the modernization

levels of traditional Chinese medicine service and industrialization levels of the development of traditional Chinese medicine, the Science and Technology Development Fund (FDCT) has, upon seeking opinions from researchers of relevant fields in Macao and expertise from experts in the Mainland, proposed a key R & D project in Macao that aims to bring Macao's advantages into full play in a planned and step-by-step manner to accommodate the needs of our country. It is expected that, through scientific and technological innovation, the moderate economic diversification of Macao will be promoted, and, with the research of traditional Chinese medicine health products as the breakthrough point, the development of the big health industry of traditional Chinese medicine will be further enhanced, so that the achievements of the development of Chinese medicine can better benefit the members of the public, help the construction of an international innovation and technology hub in the Guangdong-Hong Kong-Macao Greater Bay Area, and contribute to the building of China into a new country.

II. Overall Objectives

Through the implementation of R&D project, to establish a R&D system for traditional Chinese medicine health products with Macao characteristics, to explore key technologies for health product development, to gradually form the industry chain of

traditional Chinese medicine health products in Macao, to cultivate research teams and talents in related fields, thereby promoting the high-quality development of Macao's biopharmaceutical health industry.

III. Research Field

Research Field: Key technologies and product creation of health product development of traditional Chinese medicine as medicine and food.

In accordance with the development model of the big health industry of traditional Chinese medicine, select 3-5 traditional Chinese medicines that can be served as medicine and food to and carry out key technology exploration of traditional Chinese medicine health products, with a focus on key technology research on full component analysis, efficacy evaluation, safety evaluation, quality control, and process research; from which functional component mining and health product R&D of the above traditional Chinese medicines as medicine and food will be carried out.

Performance indicators

- (1) Establishing 1-2 key technologies for health product development sessions such as full component analysis, efficacy evaluation, safety evaluation, quality control, and process research.

- (2) Obtaining no less than 3 kinds of functional ingredients developed by traditional Chinese medicine that can be served as medicine and food; developing no less than 3 kinds of health products, including no less than 1 original product; obtaining no less than 3 functional food product registrations in Macao; and launching no less than 1 type of original products.

IV. Application Requirements

- (1) The applying entity shall file the application in the form of a project in one of the research topics in any of the fields listed in this Guideline. Unless otherwise specified, a project should include no more than 3 topics.
- (2) Each project should be submitted for the application as a whole, and all the research content and performance indicators must be covered.
- (3) The lead unit shall be a Macao entity, Macao and Hengqin enterprises are welcome to participate in cooperation. The number of participating units for each project shall not exceed 6.
- (4) Every project leader or topic leader(s) must be qualified to work full-time in Macao.
- (5) The project must be led or participated by enterprises, which must provide supporting funds of no less than 50% of the fund. A formal cooperation agreement must

be provided if the project is collaborative.

- (6) The implementation period of the project is 3 years. The maximum application amount for each project is MOP 15 million.

V. Experts Involved in the Formulation of the Guideline

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