

Insight of Taiwan's Healthcare Ecosystem Collaboration Opportunities between Thailand and Taiwan



PRESENTER

Dr. Chien, Chung Liang

CEO

**Institute for Biotechnology and
Medicine Industry (I.B.M.I.)**

• **Established Year** 2002

• **Board of Members**

- + Government Officials
- + Leaders from Academia and Medical Centers
- + Industrialist



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Former President
of National Taiwan
University



Chief Consultant

Chi-Huey Wong
Former President of
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2014 Wolf Prize Winner



Chairperson

San-Cheng Chang
Former Premier



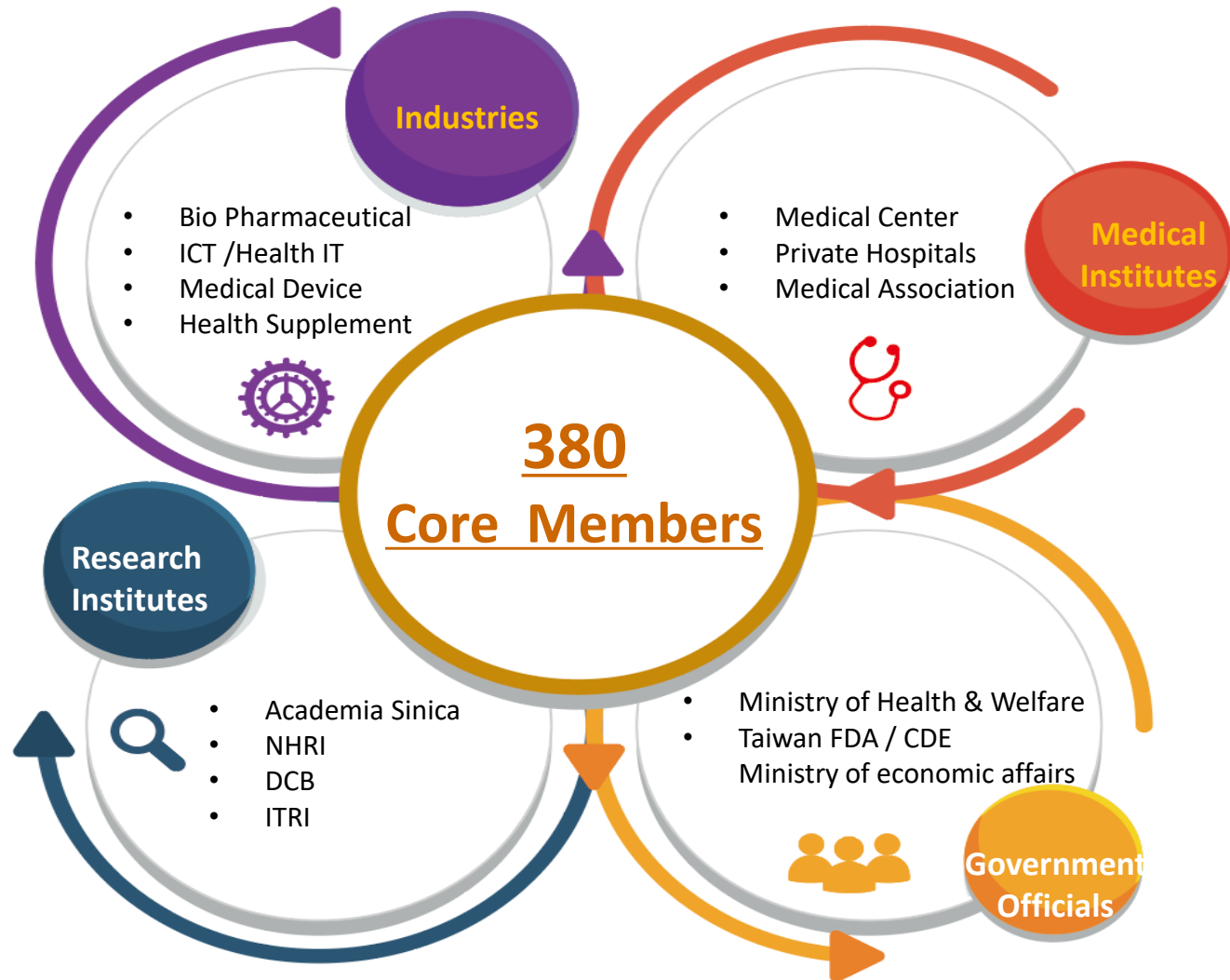
**Vice
Chairperson**

Pan-Chyr Yang
Former President
of National Taiwan
University



Vice Chairperson

Wen-Chang Chang
Chairman of the Board
of Trustees of Taipei
Medical University



Integrate resources and promote the biomedical and healthcare industry



Policy Think Tank

- **Act for the Development of Biotech and New Pharmaceuticals Industry.**
- Cross-Strait Cooperation Agreement on Medicine and Public Health Affairs.
- The Human Biological Database Management Act
- Pharmaceutical Affairs Law and Medical Care Act

- Symbol of National Quality (SNQ) certification system
- National Innovation Awards

Award & Certification

Global Partnering Platform

Taiwan Healthcare⁺
Taiwan Healthcare⁺ Expo

- Biomedical Angel Fund
- **Star-up investment**

Start-up Incubation

Key drivers of Taiwan's healthcare industry

Advanced Medical Care



High Quality R&D and MFG



Strong ICT and Elec. Tech.



Advantages of Taiwan Medicine



Outstanding Healthcare Insurance System

- ❖ 99.6 % of Taiwan's 23.57 million people covered under the government-run National Health Insurance (NHI)



High Quality Healthcare Services

- ❖ Out of 200 of the largest hospitals in the world, 14 are in Taiwan.
- ❖ Taiwan ranks third, just after the USA and Germany, in terms of medical service quality.



World-class Health Database

- ❖ National Health Insurance Research Database has been collected for more than 22 years
- ❖ Medical centers with complete medical record and imaging data

Advantages of Taiwan ICT industry



Most concentrated industry clusters

- ❖ World's densest and most technologically advanced semiconductor production base.
- ❖ The Major Procurement Center for Global ICT Companies & Buyers



Strong ICT manufacturing capabilities

- ❖ Rich manufacturing experience and outstanding technologies
- ❖ The heart of the world's tech supply chain, offering high-quality products from IC design, semiconductor, to electronics.



Rapid Commercialization

- ❖ Ranked 1st in Worldwide Major ICT product market share for more than 10 products
- ❖ High levels of hardware/software integration capability for flexible production and rapid commercialization

Taiwan's Leading ICT Players are actively diversifying businesses into healthcare Industry.



Smart Hospital, Medical Robot, AI/ IoT Solution, Imaging, Diagnostic Home care & rehabilitation, Gene Sequencing, Cell Therapy, etc..



Top 10 Electronic ODM Global
Top 3 manufacturers of TFT-LCD



No. 432 of Fortune Global 500
No. 5 of EMS Providers Global



No. 24 of Fortune Global 500
No. 1 of EMS Providers Global



Quanta Computer
No. 354 of Fortune Global 500



No. 404 of Fortune Global 500
No. 1 of NB manufacturer Global



One of leading Industrial
Computer Providers Global



Top 3 Manufacturers of
AMD Graphics Cards



One of Leading EMS-ODM
Manufacturers Global



No. 5 of Best Laptop Brands 2018



No. 4 of PC manufacturer Global
No. 4 of Best Laptop Brands
2018



Top 3 DLP Projector
Manufacturer
One of Leading LCD Backlight
Module Manufacturers Global



One of Leading Smartphone
Brands Global



Top 3 ODD manufacturers
Top 10 EMS Providers Global



World's leading smartphone
camera lens supplier



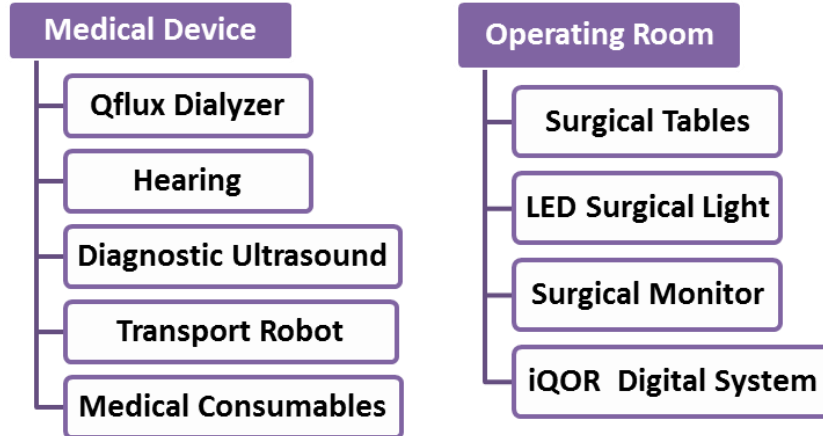
One of leader in power and
thermal management solutions
in the world



中華電信
Chunghwa Telecom

One of the Largest
Telecommunications Services
Taiwan

Featured Products



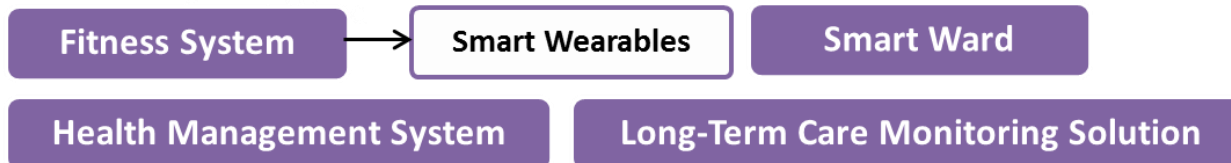
Solutions

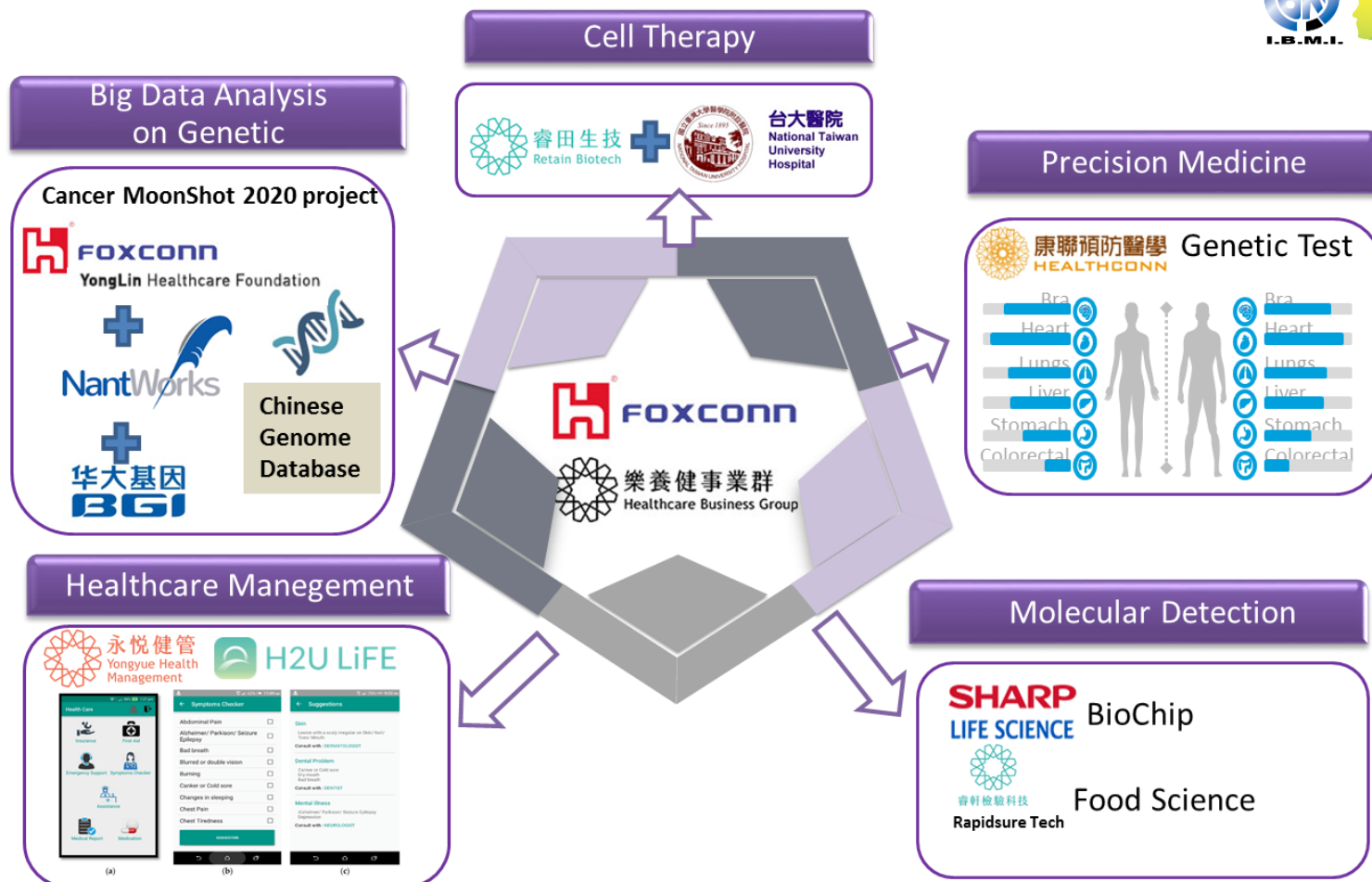
Smart Operation Room



ODM / OEM of
Medical Device

Other Smart Healthcare Solutions





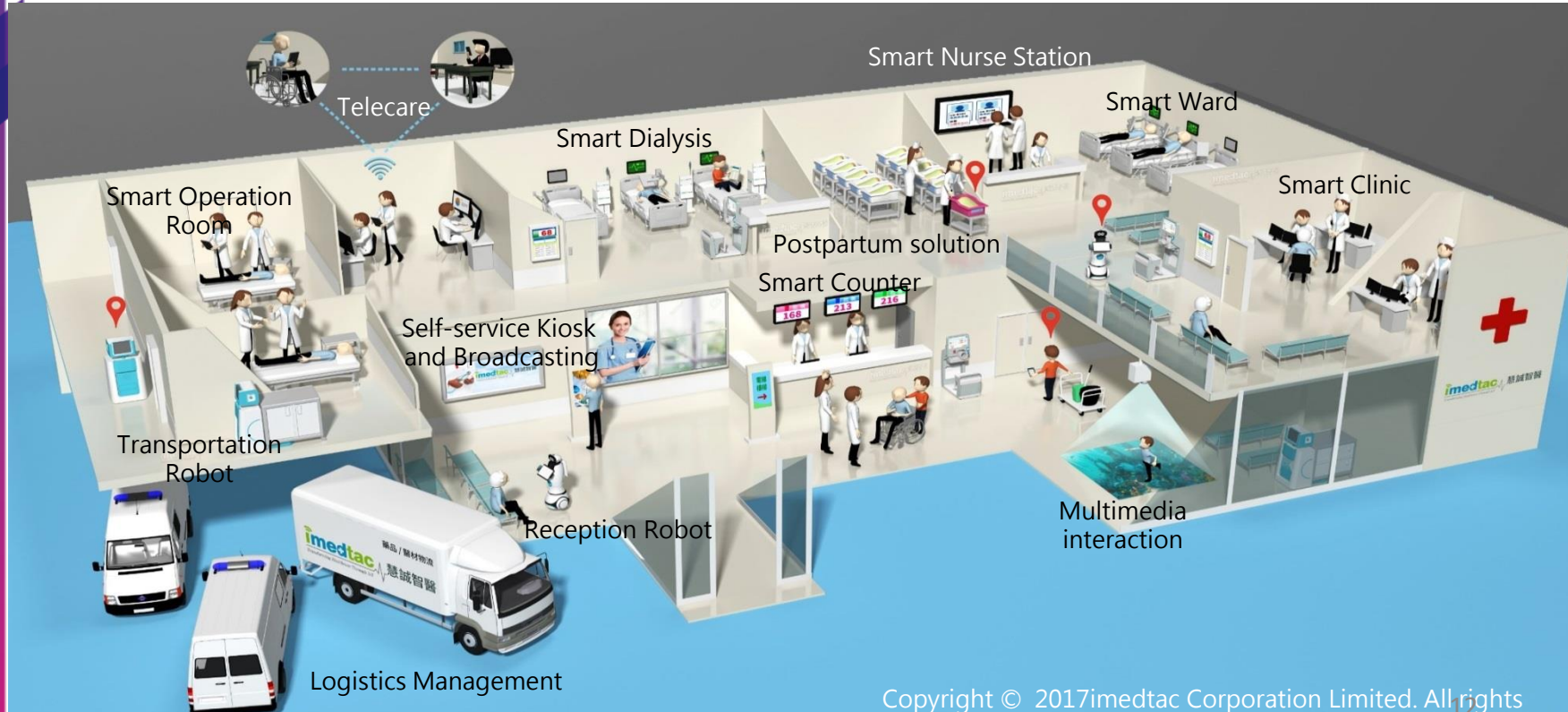
Taiwan leading hospitals are expanding their productivity from building smart hospital...



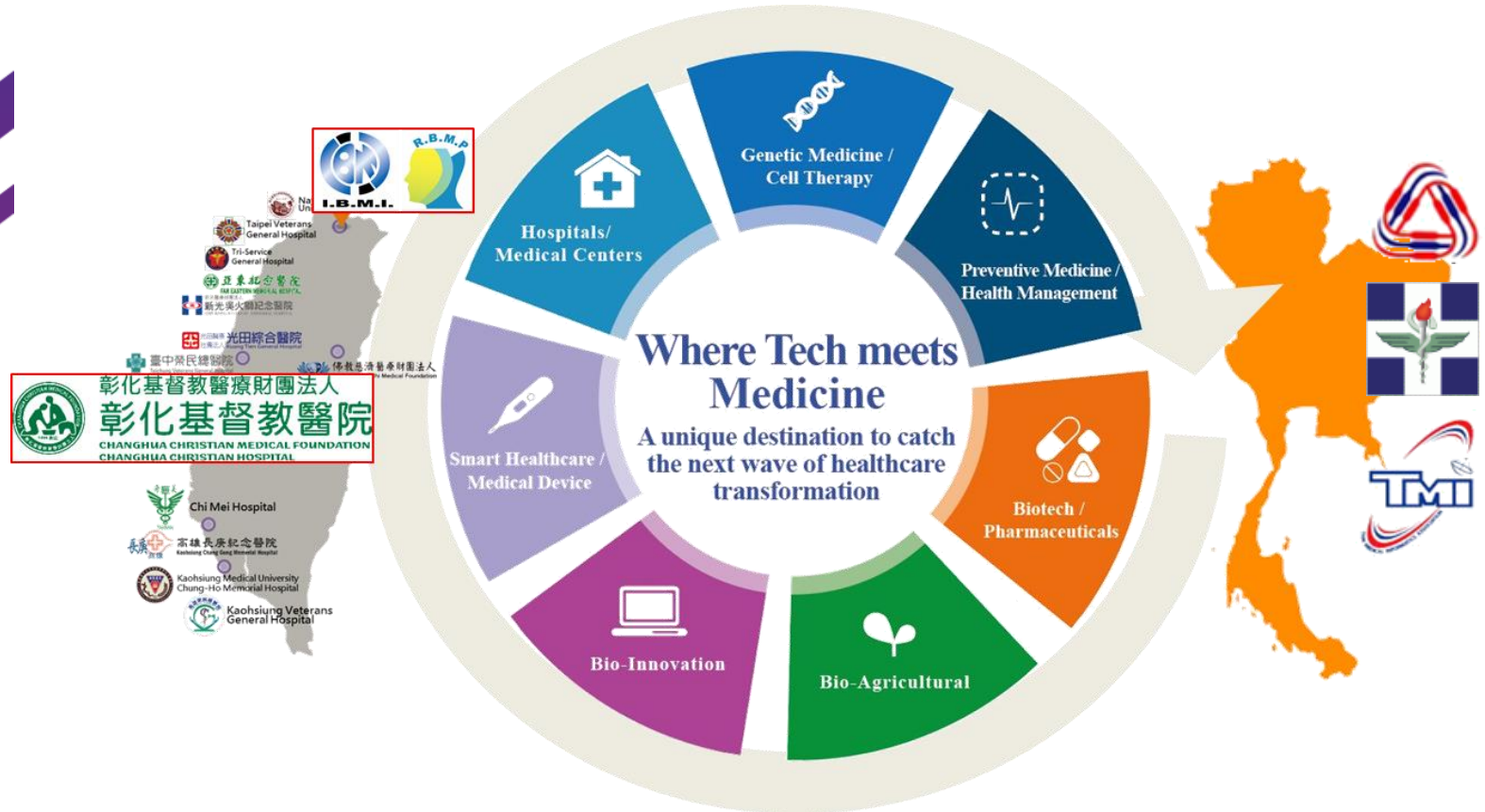
ICT Players launch products and solutions:

- ◆ Smart Nurse Station
- ◆ Smart Ward
- ◆ Smart Clinic
- ◆ Smart Counter
- ◆ Smart Dialysis
- ◆ Smart Operation Room
- ◆ Multimedia interaction
- ◆ Accompany robot
- ◆ Logistics Management

Modularize IoT for Hospital and Healthcare Application



Thailand and Taiwan are partners for development of biomedical and healthcare industry and marketing



Thailand and Taiwan are partners for development of biomedical and healthcare industry and marketing

MOU events at THP EXPO in 2018



The Federation of Thai Industries (F.T.I.)



The Private Hospital Association Thailand (TPHA)



Thai Medical Informatics Association (TMI)

We sign MoU outlines the intention of Thailand and Taiwan to promote international healthcare industry collaboration, aim at accelerating collaborative R&D, business development, market deployment and investment activities in Asia Pacific Region.

Thailand and Taiwan are partners for development of biomedical and healthcare industry and marketing



Advantage:

- Top medicine tourism
- Core position in ASEAN
- Full support by Thailand 4.0 initiative

Advantage:

- Manufacturing
- Investment opportunity
- Clinical Trail

Collaboration and Partnership Opportunities

- ✓ ***Smart hospital solutions and digital healthcare technologies***
- ✓ ***Pharmaceutical R&D, CDMO***
- ✓ ***Health Tech Startup Investment***
- ✓ ***Manufacturing Collaboration for innovative medical devices***

A ONLINE PORTAL to world-class medical teams and cutting-edge bio companies in Taiwan. <https://www.taiwan-healthcare.org/>

Medic- All⁺ Taiwan Healthcare⁺

For patients: We provide high-quality of medical services, such as liver transplantation, craniofacial surgery, IVF, etc.

For medical professionals:
We provide hospital collaboration projects, including medical & clinical partnership and hospital management.

Bio B2B⁺ Taiwan Healthcare⁺

Bio B2B is designed for **bio-business professionals** to find value-added partnerships in Taiwan in fields ranging from APIs, pharmaceuticals, and medical devices, to bio-agricultural and health supplement companies.

The global platform for real connections with THP EXPO 2018





Date : 2019.12.05 – 08
Location : Taipei Nangang Exhibition
Center, Hall 2, 1&4F
<https://expo.taiwan-healthcare.org>

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