

BME **IDEA** APAC  
2021 IN TAIWAN

**International Conference - Medical Innovation: from Zero to Infinity**

**Date: 11/18 (Thursday) 09:00 — 11:00**

**Venue: Xing Chun building,**

**Theme: Biomedical Industry Overview and Trends**

**Taipei Medical University**

# Medical innovation and internationalization strategy

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## Medical Innovation by cross-industry collaborations

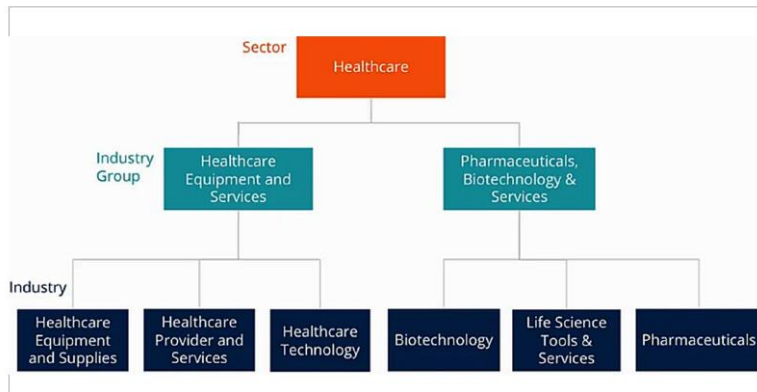


The updating medical innovation in Taiwan will be based on the cross-industry collaborations. That will be the collaboration between BioMed and ICT. In recent years, Taiwan tried to bring together hospitals; IT, devices industry and bio-pharmaceuticals to cross fertilize their idea and develop better solutions for patients. Because Taiwan have advanced medical care, high quality R&D and manufactures, as well as strong ICT and electronic technology. These are key drivers of Taiwan's Healthcare industry.



# Healthcare sector by GICS definition

- ❑ The healthcare sector includes the following subsections, as per Global Industry Classification Standard (GICS)



## Global Markets:

- International Healthcare
- Bio-pharmaceutical
- Medical device
- Regenerative medicine
- Smart health
- Precision medicine
- Sports medicine

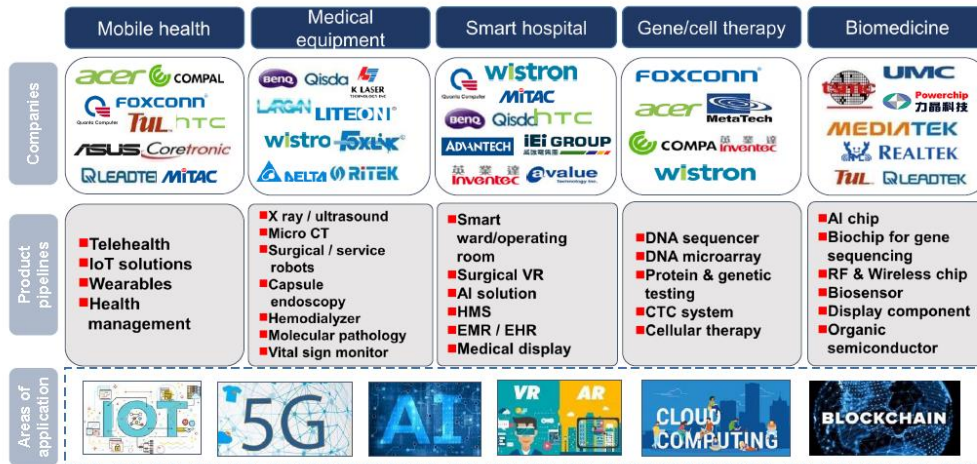
Source compiled by IBMI, RBMP (2021)

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According to the Global Industry Classification Standard (GICS®) developed by international analysis organizations such as Morgan Stanley (MSCI) and Standard & Poor's (S&P), There are two industry groups: one is the Healthcare equipment and services (including healthcare providers like medical institutions and hospitals). The other group is Pharmaceuticals, Biotechnology and services. Both industry groups aims on the global markets , including international healthcare, biopharmaceutical, medical device, regenerative medicine, Smart health, precision medicine, and sport medicine.



## Taiwan ICT giants setting foot in healthcare



Source: IBMI

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IoT, 5G, AI, AR/VR/MR, cloud computing and blockchain are the backbones of facilitating a contactless economy. ICT giants stemmed from Taiwan have long been in these areas and more recently ventured into healthcare business. You might be familiar with certain names here- as hardware manufacturers. The vast majority of them work with the healthcare sector not just for devices and equipment, more and more for software or what it is called total solutions- for hospitals (Quanta, Qisda, Adventech, for example). Thanks to Taiwan's expertise in semiconductors, you can see some with footprints in gene sequencing, biosensors and AI chip making (like Foxconn, and TSMC).



# Internationalization Strategy



Taiwan-India Medical Cooperation Forum in Bangalore, India (2019)



Medical industry collaboration between Thailand and Taiwan (2019)

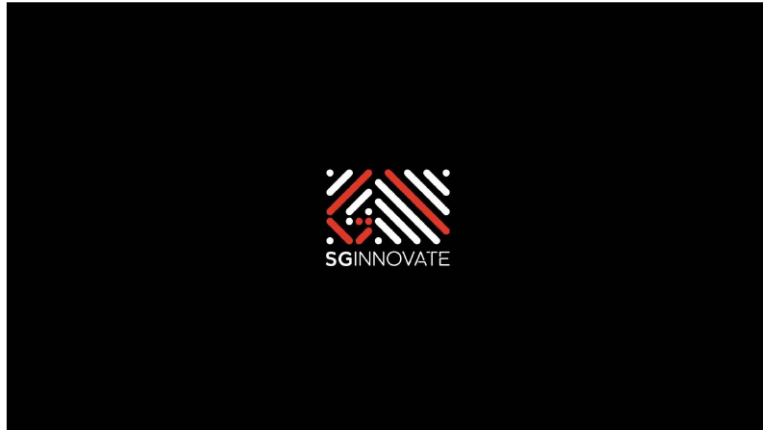


Visiting the CEO of Malaysia Private Hospital Association (2019)

On behalf of IBMI, I would like to share some experiences to promote Taiwan Healthcare Service in the APAC countries, including Australia, Hong Kong, China, India, Thailand, Malaysia, and Singapore in recent five years. My colleagues and I tried to promote the international connections for the potential cooperation not only for medical centers but also for our healthcare industries in these countries. By way of introducing the annual Taiwan Healthcare EXPO, we are successfully invited many KOLs from medical fields and the CEO or presidents of biomedicine-related associations from these countries, such as inviting the KOLs from Private Hospital Associations, and the president of medical device association of Thailand and Malaysia to Taiwan Healthcare EXPO. To conclude my experience of international promotion of Taiwan healthcare industry, I would like to give you one take home message, that is "Taiwan is a total solution provider, we sell not only medical hardware or digital software but also the total solution for healthcare service."

**Singapore :**

The top-ranked countries in *Regulatory quality* are [Singapore](#), [Australia](#), [Canada](#), [Finland](#), [Hong Kong](#), [New Zealand](#), and the [United Kingdom](#). Source data from *Scientific American Worldview* (<http://www.saworldview.com>)

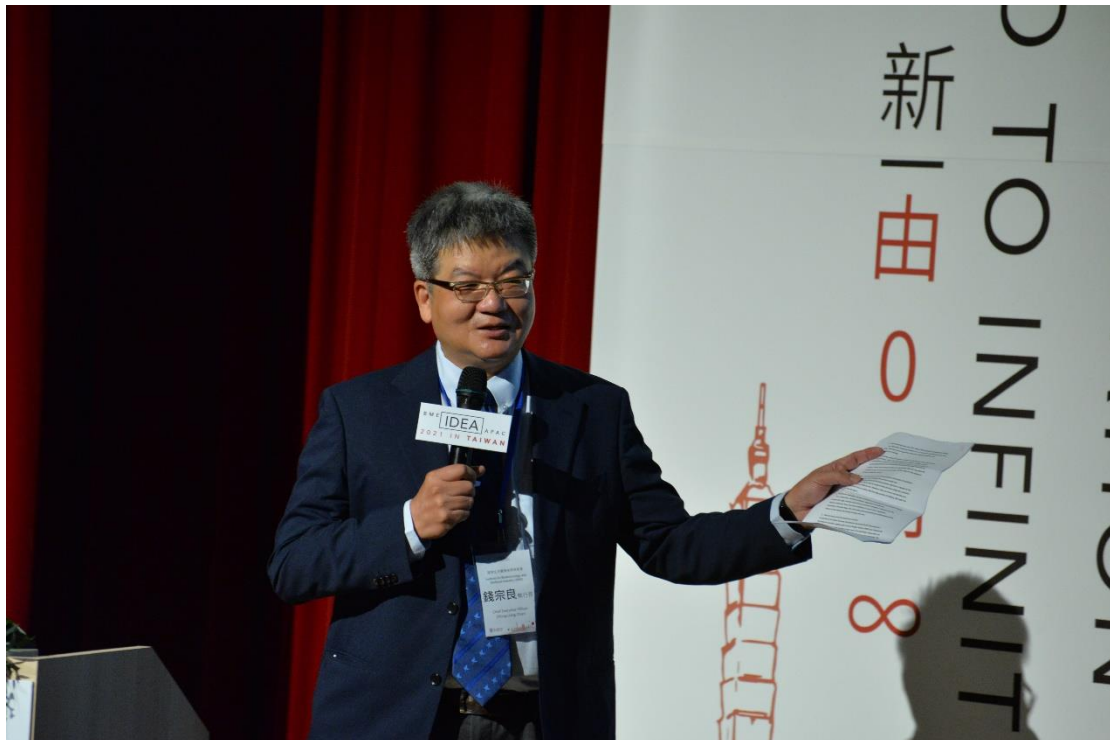


Medtech Connect in Singapore, 2019-05-23

SGInnovate interview: <https://youtu.be/3ktQSyfe7n0>

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Let me give you one good example for the internationalization. Singapore! Singapore is one of top-ranking countries in regulatory quality, based on the data from Scientific American Worldview for global biotechnology. I was invited to Medtech Connect in Singapore in 2019. There is a video with the SGInnovate interview by the Cambridge Consultants.

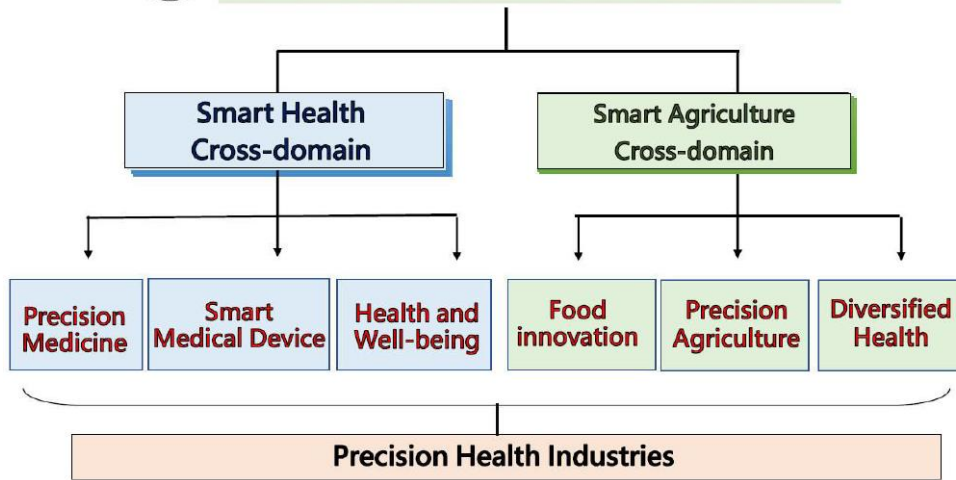




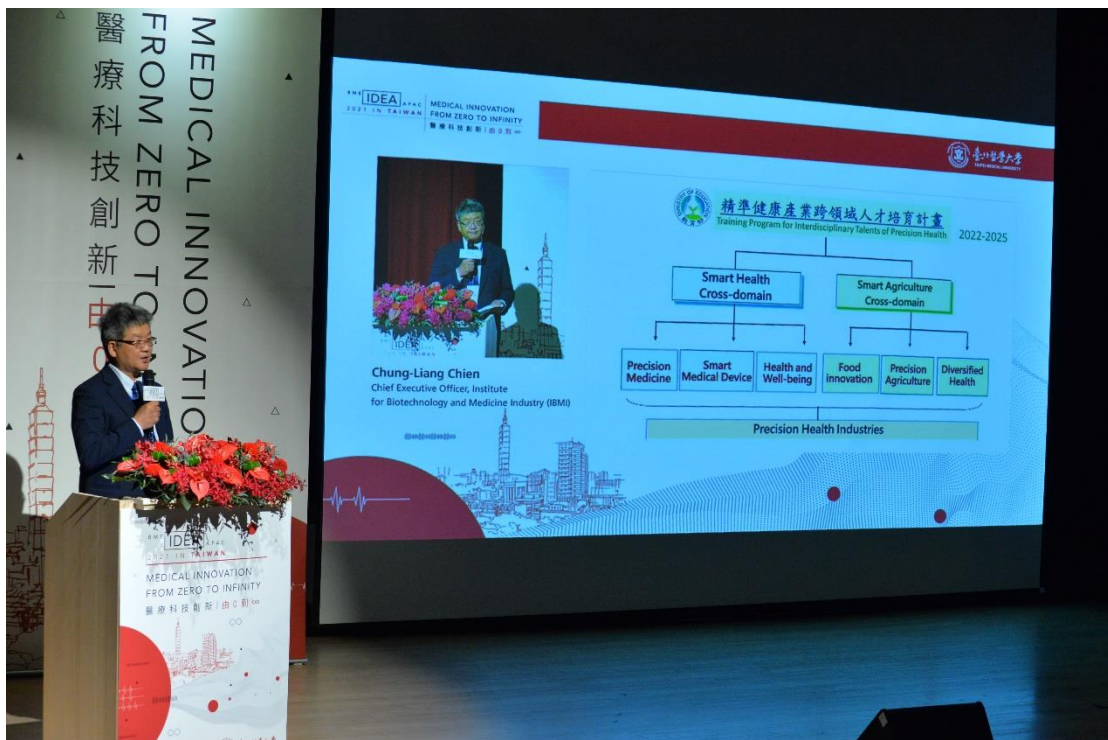
# 精準健康產業跨領域人才培育計畫

Training Program for Interdisciplinary Talents of Precision Health

2022-2025



As the interview in Singapore, I brought up the issue of academic-industrial gap. How to fill up the gap? Actually, from 2022-2025, I will keep helping the Ministry of Education in Taiwan to promote this Training program for interdisciplinary talents of Precision Health, in which sets up six main domains, including Precision Medicine, Smart Medical Device, Health and Wellbeing, Food Innovation, Precision Agriculture, and Diversified Health. Hopefully, there will be more than 30 project partners from 20 universities supported by this program from next year. The aims of this training program are trying to encourage partner Universities to establish a novel academia-Bio and ICT industry collaboration platform, to design interdisciplinary courses with ICT core technologies for graduate as well as undergraduate students from the fields of Health science, Life science, and Bio-agriculture.





**Healthcare EXPO · TAIWAN**  
**2021.12.02-12.05**  
 Hall 1, Taipei Nangang Exhibition Center

**Where Technology and Healthcare Shape the Future**

- Connecting Supply Chains of High-Tech, Medical Institutes, Bio-Pharma and Medical Devices
- Getting Ahead in Healthcare Business booming in the APAC region

Organizers





<https://expo.taiwan-healthcare.org/en/>

**Please Book your 2021 calendar**

Last but not the least, Let me take an advantage of this talk and introduce 2021 Healthcare plus EXPO. Almost all medical centers in Taiwan will join this EXPO this year. From Dec. 2 to Dec. 5, we sincerely welcome you to come.





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# Conference Handbook



醫療科技創新 | 由 0 到 ∞



臺北醫學大學  
TAIPEI MEDICAL UNIVERSITY

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Time	Event	Speaker / Moderator
09:00-09:20	<b>【Address】</b>	<b>Chien-Huang Lin</b> , President, Taipei Medical University <b>David Grayden</b> , Clifford Chair, Department of Biomedical Engineering, University of Melbourne <b>Hong-Chen Chen</b> , Director General, Department of Life Sciences, Ministry of Science and Technology(MOST)
09:20-09:40	<b>【Keynote Speech】</b> “Medical Innovation and Internationalization Strategy”	<b>Chung-Liang Chien</b> , CEO, Institute for Biotechnology and Medicine Industry (IBMI)
09:40-10:00	<b>【Keynote Speech】</b> “From Bench to Bedside / From Research to Business”	<b>Tong-Young Lee</b> , CEO, StemCyte
10:00-10:20	<b>【Keynote Speech】</b> “From Value Proposition to Value Creation in Medtech - Perspectives from Taiwan Capital”	<b>Jerome Shen</b> , General Partner, Taiwan Capital <b>Victoria Wang</b> , Investment Principal, Taiwan Capital
10:20-10:40	<b>【Keynote Speech】</b> “How to Commercialize Innovative Health Technologies in the APAC Region”	<b>Anurag Mairal</b> , Director for Global Outreach Programs, Stanford Biodesign
10:40-11:00	Networking Break	

