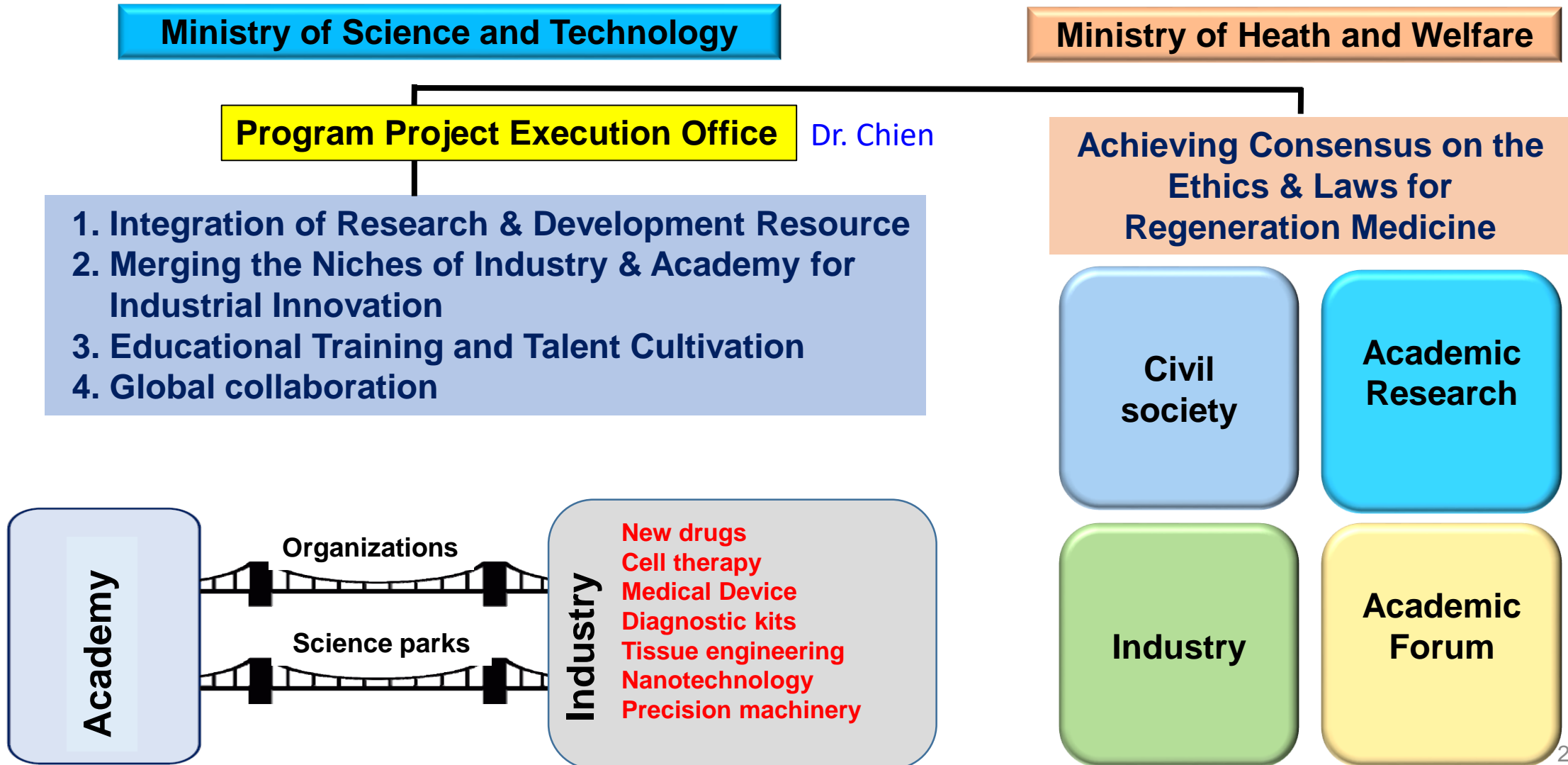


Program Project for Regenerative Medicine

Chung-Liang Chien, Ph.D.
College of Medicine,
National Taiwan University

Program Project for Regenerative Medicine

Interdisciplinary research co-operation and the structure of integration



Teams in the Program

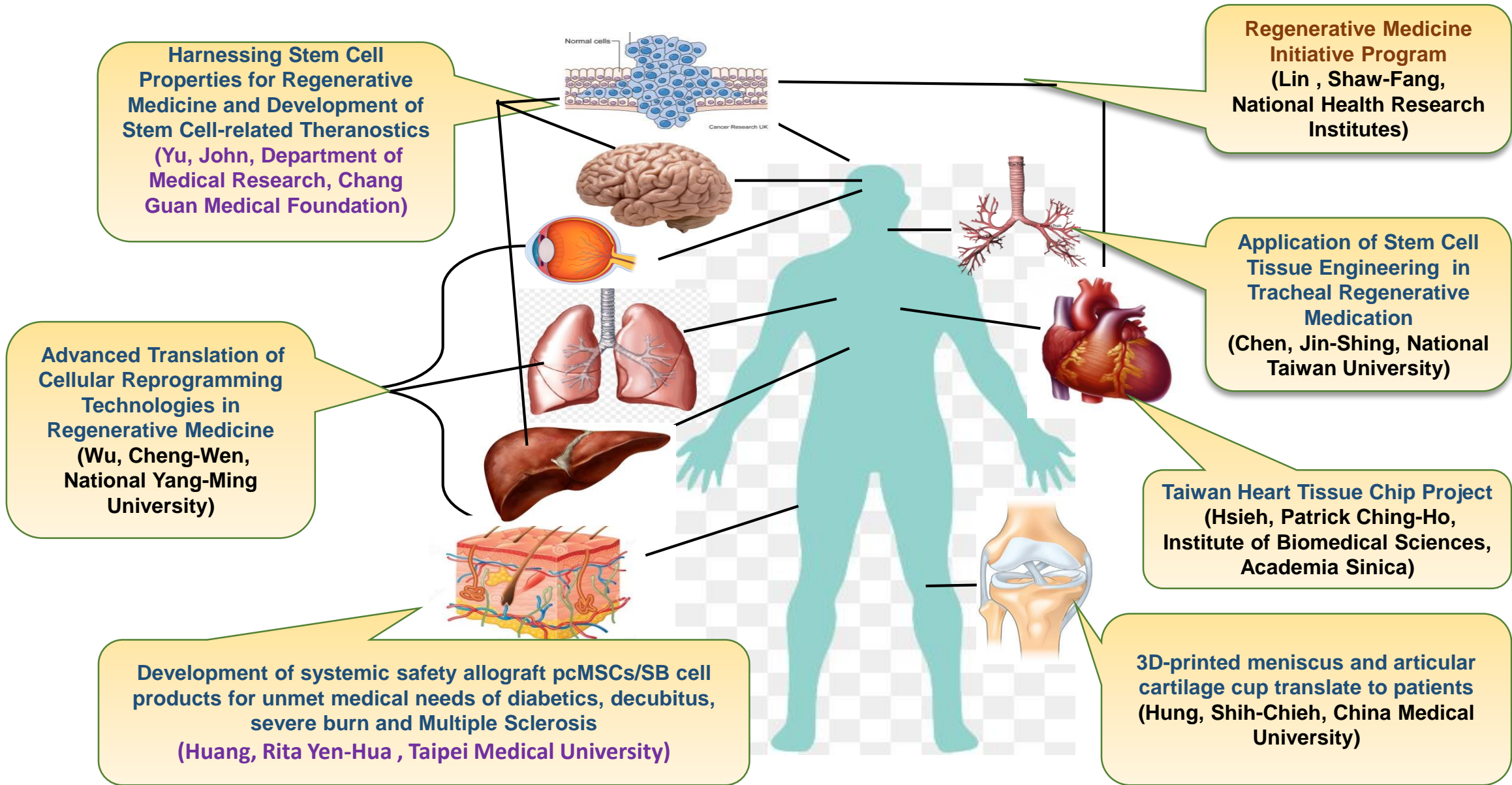
Ministry of Science and Technology

- 1: **3D printing of meniscus and articular cartilage cup for the clinical application**
(Hung, Shih-Chieh, China Medical University)
- 2: **Advanced Translation of Cellular Reprogramming Technologies in Regenerative Medicine** (Wu, Cheng-Wen, National Yang-Ming University)
- 3: **Application of Stem Cell Tissue Engineering of Tracheal Regenerative Medication** (Chen, Jin-Shing, National Taiwan University)
- 4: **Harnessing Stem Cell Properties for Regenerative Medicine and Development of Stem Cell-related Theranostics**
(Yu, John, Chang Guan Medical Foundation)
- 5: **Development of systemic safety allograft pcMSCs/SB cell product for unmet medical needs of diabetics, decubitus, severe burn and Multiple Sclerosis**
(Huang, Rita Yen-Hua, Taipei Medical University)
- 6: **Taiwan Heart Tissue Chip Project**
(Hsieh, Patrick Ching-Ho, Institute of Biomedical Sciences, Academia Sinica)

Ministry of Health and Welfare

- 1: **Regenerative Medicine Initiative Program at NHRI**
(Lin, Shaw-Fang, National Health Research Institutes)
- 2: **Management Mechanism for Regenerative Medicine Industry**
(Shih, Chung-Liang, Department of Medical Affairs, Ministry of Health and Welfare)

Research Targets of Program Teams



Harnessing Stem Cell Properties for Regenerative Medicine and Development of Stem Cell-related Theranostics
(Yu, John, Department of Medical Research, Chang Guan Medical Foundation)

Advanced Translation of Cellular Reprogramming Technologies in Regenerative Medicine
(Wu, Cheng-Wen, National Yang-Ming University)

Development of systemic safety allograft pcMSCs/SB cell products for unmet medical needs of diabetics, decubitus, severe burn and Multiple Sclerosis
(Huang, Rita Yen-Hua, Taipei Medical University)

Regenerative Medicine Initiative Program
(Lin, Shaw-Fang, National Health Research Institutes)

Application of Stem Cell Tissue Engineering in Tracheal Regenerative Medication
(Chen, Jin-Shing, National Taiwan University)

Taiwan Heart Tissue Chip Project
(Hsieh, Patrick Ching-Ho, Institute of Biomedical Sciences, Academia Sinica)

3D-printed meniscus and articular cartilage cup translate to patients
(Hung, Shih-Chieh, China Medical University)

Potential Collaboration and Partnership Opportunities between US and Taiwan

- ***Biomaterials and Bio-information***
- ***Training program for Young Talents***
- ***Pre-Clinical and Clinical Trials***
- ***Regulatory issues (harmonization)***



TAIWAN
Where innovations are shaping a new era of intelligent healthcare

World-class medical centers and hospitals
Over 1800 biotech companies
Best healthcare system in the world
Top-ranked life science research institutes and universities
Most influential ICT & electronics industry in the world
Growing number of emerging biotech startups

Health	Pharma	Electronics
Medical	Biotech	IT

Endless Potential & Opportunities

The graphic features a blue header with the word 'TAIWAN' in white. Below it is a tagline in yellow. The main body is white with blue text. A grid of boxes contains industry terms, with a blue button at the bottom. The background is a cityscape with the Taipei 101 tower on the right.

Thank you for your attention!