

# 第一屆台灣內耳治療學會國際研討會暨哈佛/馬偕聽覺修復及再生醫學新知研討會

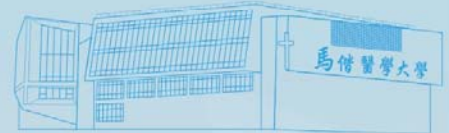
## 2025 International Symposium for Hearing Repair and Regenerative Medicine



2025  
5/27 - 5/28



MacKay Medical University  
International Conference Hall No.46,  
Sec. 3, Zhongzheng Rd., Sanzhi Dist.,  
New Taipei City 252, TAIWAN



大會議程  
Symposium  
Program

### 5/27 Session 1



Dr. Michael Charles  
LIBERMAN  
(Harvard Medical School,  
USA, Mass Eye and Ear)



Dr. Tal-TEITZ  
(The Scintillon Research  
Institute, USA)



Dr. Zheng-Yi CHEN  
(HMS, USA)



Dr. Yen-Fu Cheng  
(NYCU, Taiwan)

### 5/27 Session 2



Dr. Hanae LAHLOU  
(HMS, USA)



Dr. Kazusaku KAMIYA  
(Juntendo University,  
Japan)



Dr. Yi-Chao Hsu  
(MacKay Medical  
University, Taiwan)



Dr. Ching-Yun Chen  
(National Central  
University, Taiwan)

### 5/28 Session 3



Dr. Sunil PURIA  
(HMS, USA)



Dr. Chen-Chi Wu  
(National Taiwan  
University, Taiwan)



Dr. Julie Gayle  
ARENBERG  
(HMS, USA)



Dr. Yen-Ming Chang  
(Children's hearing  
foundation, Taiwan)

### 5/28 Session 4



Dr. Ing-Ming Chiu  
(China Medical  
University, Taiwan)



Dr. Jian ZUO  
(Ting Therapeutics,  
USA)



Dr. Peggy TSENG  
(Mycenax  
Biotech Inc.)



Dr. Cheng-Yung Lin  
(MacKay Medical  
University, Taiwan)



Dr. Chia-Wen. Chien  
(Taiwan Bio  
Therapeutics Inc.)

主辦單位:



TSIET

Organizing Committee: Dr. Yi-Chao Hsu, Dr. Hanae Lahlou,  
Dr. Chia-Ning Sheng, Dr. Cheng-Yung Lin, Dr. Ching-Yun Chen

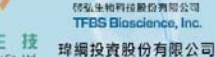
協辦單位:



國家科學及技術委員會  
National Science and Technology Council

台灣聽力語言學會、中華民國聽力師公會全國聯合會

贊助單位:



# 2025 Annual Meeting of Taiwan Society for Inner Ear Therapeutics/ International Symposium for Hearing Repair and Regenerative Medicine

**2025/05/27 (Tue.)**

**International Conference Hall, MacKay Medical College**

## **DAY 1: Foundational Research and Emerging Therapies**

08:00-09:00	Registration
09:00-09:10	<b>Opening Remarks</b> MacKay Medical College, President- Prof. Jie-Jen Lee MacKay Medical College, Research and Development Chair- Prof. Hsien-Yu Peng ASLP Chair and TSIET President – Prof. Yi-Chao HSU & TSIET Honorable President – Prof. Hung-Ching LIN
<b>Session 1 –Neural and Hair Cell Regeneration in the Cochlea</b> <b>Chairs: Prof. Hsien-Yu Peng &amp; Prof. Ing-Ming Chiu</b> <b>M. Charles Liberman, Ph.D. (Harvard Medical School, USA)</b>	
09:10-10:00	Cochlear neural degeneration and regeneration: Insights from animal models and human temporal bone histopathology <b>TAL TEITZ, Ph.D. (THE SCINTILLON RESEARCH INSTITUTE, USA)</b>
10:00-10:50	Developing Therapeutics for Cisplatin- and Noise-Induced Hearing Loss- Dabrafenib, a BRAF Kinase Inhibitor, as a top Candidate <b>Yen-Fu CHENG, M.D., Ph.D. (National Yang Ming Chiao Tung University, Taiwan)</b>
10:50-11:10	Coffee Break
11:10-12:00	Reprogramming in mammalian hair cell regeneration and potential treatment for hearing loss <b>Yen-Fu CHENG, M.D., Ph.D. (National Yang Ming Chiao Tung University, Taiwan)</b>
12:00-12:20	Precision Therapy for DFNB4: Restoring Pendrin via CRISPR/Cas9-mediated Exon Skipping <b>Ching-Yun CHEN, Ph.D. (National Central University, TAIWAN)</b>
12:20-14:00	Lunch Break, Poster time
<b>Session 2 – Small molecules, gene therapy and stem cell-based therapy for inner ear disorders</b> <b>Chairs: Prof. Chia-Ning Sheng and Prof. Yau-Huei Wei</b> <b>Hanae LAHLOU, Ph.D. (Harvard Medical School, USA)</b>	
14:00-14:50	Small Molecules, Big Impact: Unlocking Hair Cell Regeneration in Hearing and Balance Organs <b>Yi-Chao HSU, Ph.D. (MacKay Medical University, TAIWAN)</b>
14:50-15:10	Regeneration medicine for sensorineural hearing loss <b>Kazusaku KAMIYA, Ph.D. (Juntendo University, JAPAN)</b>
15:10-15:30	Coffee Break
15:30-16:20	AAV Gene Therapy and iPS Cell-Based Drug Development Targeting Cochlear Gap Junction <b>Ching-Yun CHEN, Ph.D. (National Central University, TAIWAN)</b>
16:20-16:40	Reconstructing the Gradient Ionic Niche: A 3D Organoid Model for Cochlear Hair Cell Regeneration
16:50-18:30	Shuttle for Dinner



**2025 Annual Meeting of Taiwan Society for Inner Ear Therapeutics/  
International Symposium for Hearing Repair and Regenerative Medicine**

**2025/05/28 (Wed.)  
International Conference Hall, MacKay Medical College**

**DAY 2: Clinical Aspects and Industry Perspectives**

08:00-09:00	Registration
<b>Session 3 – Audiology Innovations and Patient Outcomes</b> Chairs: Prof. Hung-Ching LIN and Prof. Chen-Chi WU	
09:00-09:50	<b>Sunil PURIA, Ph.D. (Harvard Medical School, USA)</b> Beyond the Basilar Membrane: What OCT Reveals About Cochlear Transduction
09:50-10:40	<b>Chen-Chi WU, M.D., Ph.D. (National Taiwan University College of Medicine)</b> Precision Health in Childhood Hearing Loss: from Diagnostics, Prognostics to Therapeutics
10:40-11:00	Coffee Break
11:00-11:50	<b>Julie ARENBERG, Ph.D. (Harvard Medical School, USA)</b> Quick and reliable tools to tailor the programing of cochlear implants to optimize speech understanding
11:50-12:10	<b>Yen-Ming Chang (Children's Hearing Foundation, TAIWAN)</b> From OTOF Gene Therapy to Audiological Management
12:10- 14:00	Lunch Break, Poster time

<b>Session 4 – Neural Regeneration and Hearing Therapeutics</b> Chairs: Prof. Chia-Ning Sheng and Prof. Yi-Chao Hsu	
14:00-14:50	<b>Ing-Ming CHIU, Ph.D. (China Medical University, Taiwan)</b> Neurotrophic Factors in Neurogenesis and Myelinogenesis to Promote Neuroregeneration
14:50-15:40	<b>Jian Zuo, Ph.D. (Co-Founder/CEO, Ting Therapeutics)</b> Inner ear disorder therapeutics: Best-in-class drugs for ototoxicity
15:40-16:00	<b>Peggy TSENG, Ph.D. (MYCENAX BIOTECH INC., Taiwan)</b> Leveraging ExoMX™ Platform to Industrialize Clinical-scale Manufacturing of Therapeutic Exosomes
16:00-16:20	Coffee Break
16:20-16:40	<b>Cheng-Yung LIN, Ph.D. (MacKay Medical University, TAIWAN)</b> The study of sensorineural hearing loss using the zebrafish animal model
16:40-17:00	<b>Chia-Wen. CHIEN, Ph.D. (TaiBo Biotechnology, TAIWAN)</b> Taiwan Bio Therapeutics: Revolutionizing Cell Therapy with the TDM Model
17:00-17:45	<b>Panel Discussion: From Bench to Bedside in Inner Ear Therapy</b>
17:45-18:00	<b>CLOSING REMARK AND POSTER PRIZE CEREMON</b>
18:00-21:00	<b>DINNER BUFFET (MacKay Medical University)</b>