

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

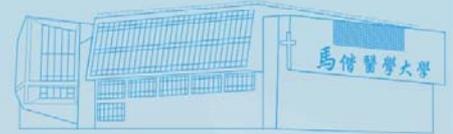
2025 International Symposium for Hearing Repair and Regenerative Medicine



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:

NSTC 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	Opening Remarks 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
Session 1 –Neural and Hair Cell Regeneration in the Cochlea Chairs: Prof. Hsien-Yu Peng & Prof. Ing-Ming Chiu	
09:10-10:00	M. Charles Liberman, Ph.D. (Harvard Medical School, USA) Cochlear neural degeneration and regeneration: Insights from animal models and human temporal bone histopathology
10:00-10:50	TAL TEITZ, Ph.D. (THE SCINTILLON RESEARCH INSTITUTE, USA) Developing Therapeutics for Cisplatin- and Noise-Induced Hearing Loss- Dabrafenib, a BRAF Kinase Inhibitor, as a top Candidate
10:50-11:10	Coffee Break
11:10-12:00	Zheng-Yi CHEN, Ph.D. (Harvard Medical School, USA) Reprogramming in mammalian hair cell regeneration and potential treatment for hearing loss
12:00-12:20	Yen-Fu CHENG, M.D., Ph.D. (National Yang Ming Chiao Tung University, Taiwan) Precision Therapy for DFNB4: Restoring Pendrin via CRISPR/Cas9-mediated Exon Skipping
12:20-14:00	Lunch Break, Poster time
Session 2 – Small molecules, gene therapy and stem cell-based therapy for inner ear disorders Chairs: Prof. Chia-Ning Sheng and Prof. Yau-Huei Wei	
14:00-14:50	Hanae LAHLOU, Ph.D. (Harvard Medical School, USA) Small Molecules, Big Impact: Unlocking Hair Cell Regeneration in Hearing and Balance Organs
14:50-15:10	Yi-Chao HSU, Ph.D. (MacKay Medical University, TAIWAN) Regeneration medicine for sensorineural hearing loss
15:10-15:30	Coffee Break
15:30-16:20	Kazusaku KAMIYA, Ph.D. (Juntendo University, JAPAN) AAV Gene Therapy and iPS Cell-Based Drug Development Targeting Cochlear Gap Junction
16:20-16:40	Ching-Yun CHEN, Ph.D. (National Central University, TAIWAN) 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
Session 3 – Audiology Innovations and Patient Outcomes Chairs: Prof. Hung-Ching LIN and Prof. Chen-Chi WU	
09:00-09:50	Sunil PURIA, Ph.D. (Harvard Medical School, USA) Beyond the Basilar Membrane: What OCT Reveals About Cochlear Transduction
09:50-10:40	Chen-Chi WU, M.D., Ph.D. (National Taiwan University College of Medicine) Precision Health in Childhood Hearing Loss: from Diagnostics, Prognostics to Therapeutics
10:40-11:00	Coffee Break
11:00-11:50	Julie ARENBERG, Ph.D. (Harvard Medical School, USA) Quick and reliable tools to tailor the programming of cochlear implants to optimize speech understanding
11:50-12:10	Yen-Ming Chang (Children’s Hearing Foundation, TAIWAN) From OTOF Gene Therapy to Audiological Management
12:10- 14:00	Lunch Break, Poster time

Session 4 – Neural Regeneration and Hearing Therapeutics

Chairs: Prof. Chia-Ning Sheng and Prof. Yi-Chao Hsu

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