

# Taiwan-Japan-Korea Therapeutic Ultrasound Forum

## Innovative Applications of Ultrasound in CNS: Advances in Neuromodulation and Therapy

Date: Sunday, Sep. 22, 2024, 13:00-17:10

Venue: Taipei International Convention Center, 201BC

<https://www.beclass.com/rid=284d8ef667834934220b>

Time	Topics	Speakers	Moderators
13:00-13:30	Registration		
13:30-13:35	Opening Remarks	Prof. Wen-Shiang Chen	
13:35-13:40		Prof. Dr. Katsuro Tachibana	
<b>Novel CNS application of ultrasound</b>			
13:40-14:10	Novel approach to apply focused ultrasound for brain disease	Prof. Won Seok Chang	Prof. Jae Young Lee
14:10-14:40	Intracranial Gene Delivery Mediated by Albumin-Based Nanobubbles and Low-Frequency Ultrasound	Prof. Hiroshi Kida	
14:40-15:10	Microbubble-assisted ultrasound for inner ear drug delivery---new challenge and insight	Prof. Ai-Ho Liao	
15:10-15:30	Coffee Break		
<b>Ultrasound neuromodulation</b>			
15:30-16:00	Ultrasound irradiation elicits neuronal responses via mechanosensitive channels in cortical neurons	PhD. Yumi Matsushita	Dr. Chueh-Hung Wu
16:00-16:30	Ultrasonic Transducers for Neuromodulation Research: In Vitro and In Vivo Studies	Prof. Jinhyoung Park	
16:30-17:00	New Horizons in the Diagnosis and Management of Alzheimer's Disease	Prof. Jong-Ling Fuh	
17:00-17:10	Closing Remarks		

Each session is 25 minutes with a 5-minute Q&A