



2017/10/15 (W7) Track 20: Therapeutic Ultrasound

Time	Topic	Speaker	Moderator
Novel Applications of Therapeutic US			(North Lounge, 3F)
08:30-09:00	Sonobactericide - An Adjunct Therapy for Infective Endocarditis: An In Vitro Proof-of-Concept	Christy K. Holland (USA)	Mike Averkiou (USA)
09:00-09:30	The Immunological Effects of Therapeutic Ultrasound	Gail ter Haar (United Kingdom)	
09:30-10:00	Real-Time Cavitation Control for Enhancing In-Vitro Gene Transfection	Claude Inserra (France)	Hao-Li Liu (Taiwan)
10:00-10:30	Coffee Break		
Free Paper (9-min oral + 5-min Q&A)			(North Lounge, 3F)
10:30-10:44	Study of Biological Effects of Standing Wave Focused Ultrasound	Faqi Li (Chinese Mainland)	Christy K. Holland (USA) Chih-Kuang Yeh (Taiwan)
10:45-10:59	Temporal and Spatial Resolved Observation of Bubble Cavitation Signal by Holographic Image Reconstruction	Ren Koda (Japan)	
11:00-11:14	Prevention of Doxorubicin Induced Cardiomyopathy after Delivery of Modified Acidic Fibroblast Growth Factor by Using Ultrasound-Targeted Microbubble Destruction: A Preliminary Experimental Study	Xinqiao Tian (Chinese Mainland)	
11:15-11:29	Ultrasound Guided Radiofrequency Ablation of Peritoneal Implantation after Resection of Hepatocellular Carcinoma	Shinn-Cherng Chen (Taiwan)	
11:30-11:44	A Multifunctional Theranostic Nanoagent for Dual-Mode Image-Guided Hifu/Chemo- Synergistic Cancer Therapy	Nan Zhang (Chinese Mainland)	
11:45-11:59	Focused Ultrasound Treatment Promotes Nerve Regeneration in RAT	Dong Hwee Kim (South Korea)	
12:00-12:14	Focused Shockwave Induced Blood-Brain Barrier Opening	Yi Kung (Taiwan)	
12:15-13:15	Luncheon Symposium		
CNS Application of Therapeutic US			(North Lounge, 3F)
13:30-14:00	Localized Image-Guided Drug Delivery into the Brain Using Novel Transmit/Receive Ultrasound Phased Arrays	Kullervo Hynynen (Canada)	Gail ter Haar (United Kingdom)
14:00-14:30	Ultrasonic Neuromodulation: Evidence from Neuron to Animal Model	Hairong Zheng (Chinese Mainland)	Ai-Ho Liao (Taiwan)
14:30-15:00	Ultrasound Noninvasive Gene Delivery for Parkinson's Disease Treatment	Hao-Li Liu (Taiwan)	
15:00-15:30	Coffee Break		
US-Facilitated Drug Delivery			(North Lounge, 3F)
15:30-16:00	The Impacts of Microbubble-Induced Sonoporation on Cell Membrane Permeability and Cytoskeleton Arrangement	Juan Tu (Chinese Mainland)	Hairong Zheng (Chinese Mainland)
16:00-16:30	High-Resolution Ultrafast Imaging of Microbubble Activity during Sonoporation	Mike Averkiou (USA)	
16:30-17:00	Ultrasound Microbubble Contrast Agents Promote Transdermal Drug Delivery	Ai-Ho Liao (Taiwan)	Wen-Shiang Chen (Taiwan)