

# 2019년도 대한치료초음파학회 제 5 차 학 술 대 회

■ 시간: 2019년 9월 6-7일(금-토) ■ 장소: 경주화백컨벤션센터(HICO)

## PROGRAM

9/6 (금)		
16:00-18:00	ISTU 조직위원회 미팅	
18:00-20:00	Presidential Dinner (Invitation Required)	
9/7 (토)		
08:00-09:00	등록	
09:00-09:10	개회사	KSTU 회장 최민주
<b>Session 1: Potentials of Therapeutic US in Immunotherapy</b>		<b>좌장: 이학중 분당서울대병원, 김형민 KIST</b>
09:10-09:35	Cancer Immunotherapy: The promises and challenges	이상진 국립암센터
09:35-10:00	Non-thermal HIFU & Immunotherapy	박기주 KIST
10:00-10:25	Drug Delivery & Immunotherapy	이학중 분당서울대병원
10:25-10:45	Coffee Break	
<b>Session 2: Plenary Lectures</b>		<b>좌장: 이재영 서울대병원, 장진우 세브란스병원</b>
10:45-11:20	Overview and Future Potential of Therapeutic Ultrasound	Joo Ha Hwang, Stanford University
11:20-11:55	The development of focused ultrasound applications for Alzheimer's disease: from preclinical research to clinical trials	Isabelle Aubert, Sunnybrook Research Institute
11:55-12:00	사진촬영	
12:00-13:00	점심시간	
<b>Session 3: International Session (Joint Session with JSUM &amp; TAITU)</b>		<b>좌장: 박은주 서울대병원, 박기주 KIST</b>
13:00-13:20	Microbubble dynamics inside a capillary network model developed using 3D cell culture	Nobuki Kudo, Hokkaido University
13:20-13:40	Changing tumor microenvironment through oxygen-loaded microbubbles with acoustic tweezer	Chih-Kuang Yeh, National Tsing Hua University
13:40-14:00	Enhanced drug delivery to tumor tissue by the combination of new lipid bubbles and ultrasound	Kazuo Maruyama, Teikyo University
14:00-14:20	World First Experience with MR-guided Focused Ultrasound in the Treatment of X-linked Dystonia-Parkinsonism (XDP)	Wei-Chieh Chang, Show Chwan Memorial Hospital
14:20-14:40	BBB disruption for Brain disorders	Jin Woo Chang, Yonsei University College of Medicine
14:40-15:10	Coffee Break & Poster Q/A	
<b>Session 4: New horizons of Therapeutic US in Clinical applications</b>		<b>좌장: 장원석 세브란스병원, 김영선 민트병원</b>
15:10-15:30	FUS and Urological disease	오승준 서울대병원
15:30-15:50	FUS and Uterine disease	최동석 최상산부인과
15:50-16:10	HIFU 의료기기 인허가 관련 사례 및 쟁점	김형범 식품의약품안전처
16:10-16:30	Coffee Break	
<b>Session 5: Scientific Session</b>		<b>좌장: 노용래 경북대학교, 장진호 서강대학교</b>
16:30-16:40	초음파 에너지 유도 광열치료 깊이 증가 기술 비교	김혜민 서강대학교
16:40-16:50	Improvement of spatial memory function by increased mesenchymal stem cell homing into the brain after focused ultrasound for a rat model of dementia	이지현 연세대학교
16:50-17:00	Estimation of the impulsive waveform produced in cavitating water using the impulse response of shock wave transmitter	권오빈 제주대학교
17:00-17:10	The role of vesicular zinc on adult hippocampal neurogenesis induced by focused ultrasound	신재우 연세대학교
17:10-17:20	Measurements of thermal and boiling effects induced by high intensity focused ultrasound in a soft tissue-mimicking phantom by using a fiber-optic hydrophone	강희석 강원대학교
17:20-17:30	지방 분해 온도 부위 가시화를 위한 HIFU 팬텀 개발	김성찬 제주대학교
17:30-17:40	A Study of Microbubble-clouds Modeling to Predict Thermal Effect by Microbubbles	신경원 인제대학교
17:40-17:50	Development of a miniaturized low-intensity ultrasound device to stimulate the central nervous system	Evgenii Kim, KIST
17:50-18:10	총회, 시상식 폐회사	KSTU 총무이사 김영선 KSTU 회장 최민주