

BISC Satellite 2021

2021/04/19 (Mon.)		
Time	Title	Presider
08:00~08:15	Registration	
08:15~08:30	BISC Opening	Prof. Yuan LUO
Session A : Biomedical Application I		
08:30~09:00	Prof. Jean-Marc EGLY (Academician of French Science Academy) Title: <i>Imaging and molecular defects in transcription syndromes</i>	Prof. Kung-Bin SUNG
09:00~09:30	Prof. Huei-Wen CHEN (National Taiwan University) Title: <i>Image-based high content analysis on discovering anti-cancer drug targeting cancer stemness niche</i>	
09:30~10:00	Prof. Yeun-Chung CHANG (NTUH Department of Medical Imaging) Title: <i>CT radiomics of lung cancer</i>	
10:00~10:15	Coffee Break	
Session B : Optical Coherent Tomography		
10:15~10:45	Prof. Sheng-Lung HUANG (National Taiwan University) Title: <i>Deep learning empowered cellular-resolution optical coherence tomography</i>	Prof. Chia-Lung HSIEH
10:45~11:15	Prof. Meng-Tsan TSAI (Chang Gung University) Title: <i>OCT/OCTA-guided laser ablation for tumor treatment</i>	
11:15~11:45	Prof. Hsiang-Chieh LEE (National Taiwan University) Title: <i>A pilot study of developing a small footprint imaging platform with optical coherence tomography (OCT) and OCT angiography for mouse brain imaging in vivo</i>	
12:00~13:00	Lunch Break	

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Session C : Biomedical Application II		
13:00~13:30	<p style="text-align: center;">Prof. Sheng-Hao TSENG (National Cheng Kung University) Title: <i>Noninvasive quantification of neonatal bilirubin and hemoglobin levels using a handheld diffuse reflectance spectroscopy system</i></p>	<p style="text-align: center;">Prof. Meng-Tsan TSAI</p> <p style="text-align: center;">Prof. Shi-Wei CHU</p>
13:30~14:00	<p style="text-align: center;">Prof. S-Ja TSENG (National Taiwan University) Title: <i>New treatment opportunities for drug resistance in non-small cell lung cancer</i></p>	
14:00~14:30	<p style="text-align: center;">Prof. Gary Han CHANG (National Taiwan University) Title: <i>Morphological biomarker of osteoarthritis knees by deep learning</i></p>	
14:30~15:00	<p style="text-align: center;">Prof. Jui-Ching WU (National Taiwan University) Title: <i>Tracking molecular dynamics during spermatocyte divisions in the nematode <i>Caenorhabditis elegans</i></i></p>	
15:00~15:15	Coffee Break	
Session D : Medical/Biological Imaging Instrumentation and Techniques		
15:15~15:45	<p style="text-align: center;">Prof. Kung-Bin SUNG (National Taiwan University) Title: <i>Toward quantitative dosage analysis of transcranial photobiomodulation with red to near-infrared light</i></p>	<p style="text-align: center;">Prof. Sheng-Lung HUANG</p> <p style="text-align: center;">Prof. Hsiang-Chieh LEE</p>
15:45~16:15	<p style="text-align: center;">Prof. Chia-Lung HSIEH (Academia Sinica) Title: <i>High-speed dynamic cell imaging by scattering-based interference optical microscopy</i></p>	
16:15~16:45	<p style="text-align: center;">Prof. Szu-Yu CHEN (National Central University) Title: <i>Study of violin spruce woods with aid of two-photon hyperspectral imaging</i></p>	
16:45~17:15	<p style="text-align: center;">Prof. Shi-Wei CHU (National Taiwan University) Title: <i>High-speed volumetric imaging for brain</i></p>	