

<b>Session Title:</b>	<b>[We2G] Advanced Microscopy</b>
<b>Session Date:</b>	<b>August 7 (Wed.), 2024</b>
<b>Session Time:</b>	<b>10:45-12:15</b>
<b>Session Room:</b>	<b>Room G (116)</b>
<b>Session Chairs</b>	<b>Prof. Chao Zuo (Nanjing Univ. of Science and Tech., China)</b>

**[We2G-1] [Invited] 10:45-11:15**

**Extended Depth-of-field microscopy via Learning-based Implementation of Axisymmetric Binary Phase Filter and Image Deconvolution**

Baekcheon Seong, Woovin Kim, Younghun Kim, and Chulmin Joo (Yonsei Univ., Korea)

**[We2G-2] 11:15-11:30**

**Semi-Supervised Virtual Staining for High-Throughput and Label-Free Histopathology**

Kyung Chul Lee, Hyesuk Che, Jongho Kim, Donggeon Bae (Yonsei Univ., Korea), Roarke Horstmeyer (Duke Univ., USA), and Seung Ah Lee (Yonsei Univ., Korea)

**[We2G-3] 11:30-11:45**

**Fluorescence Excitation-emission-matrix Hyperspectral Imaging for Microscopy**

Sarah-Johanna Klose, Emma Abbey, Yasaman Shahrestani (Univ. of Victoria, Canada), Travis Ferguson (Queen's Univ., Canada), and Hans-Peter Loock (Univ. of Victoria, Canada)

**[We2G-4] 11:45-12:00**

**Super-resolved 3D Wide-field Fluorescence Imaging with Reflection-assisted Speckle Illumination**

Hajun Yoo, Kwanhwi Ko, Sukhyeon Ka, Gwiyeong Moon, Hyunwoong Lee, Seongmin Im, and Donghyun Kim (Yonsei Univ., Korea)

**[We2G-5] 12:00-12:15**

**Structured Illumination using Modified Bessel Beams with Reduced Sidelobes**

Jerin Geogy George, Shanti Bhattacharya (Indian Inst. of Tech. Madras, India), and Kishan Dholakia (The Univ. of Adelaide, Australia)