

Microscopy Society (Singapore) Annual General Scientific Meeting 2023 Programme

Date: 18 April 2023

Time: 9.00am (Registration will begin at 8.30am)

Venue: Auditorium, Centre for Life Sciences, NUS, 28 Medical Drive, Singapore 117456

Concurrent Online Zoom meeting will begin at 10am

<https://nus-sg.zoom.us/j/84870778726?pwd=ZjU1VHVXVnVQZUpUbmdUVnpDYkVVdz09>

Zoom ID: 848 7077 8726; Passcode: 506925

No.	Date / Time	Program	Speaker
1	9.00-9.10am	Welcome to Annual General Scientific Meeting 2023	Dr. Wu Ya Jun Secretary, MS(S) Dept of Anatomy, NUS
2	9.10-9.20am	Minutes of Previous Meeting	Professor Ong Wei Yi President, MS(S) Dept of Anatomy, NUS
3	9.20-9.30am	President's Report	Professor Ong Wei Yi
4	9.30-9.40am	Treasurer's Report	Dr. Ren Min Qin Treasurer, MS(S) Department of Physics, NUS
5	9.40-10am	Coffee Break	
6	10-10.30am	Talk 1 Near-infrared based optical biomedical applications	Dr. Daniel Teh Boon Loong Departments of Ophthalmology and Anatomy, NUS
7	10.30-11.00am	Talk 2 The Nuclear Microprobe: A unique tool for nuclear microscopy and radiobiology of cells	Associate Professor Andrew Anthony Bettiol Department of Physics, NUS * (Meeting ID: 848 7077 8726 Passcode: 506925)
8	11.00-11.30am	Talk 3 Fluorescence Microscope as a Versatile Tool for Nanomaterials Research	Professor Sow Chorng Haur Department of Physics, NUS
9	11.30-11.50am	Talk 4 Serial Block Face Data from JEOL JSM-IT700HR with Katana in-situ Microtome	Ms Anna Liew JEOL Asia Pte Ltd
10	11.50-12.10pm	Talk 5 Amira software: 3D image visualization, processing and analysis, especially deep learning segmentation tools for biological data	Dr Danna Li Thermo Fisher Scientific * (Via zoom ID: 848 7077 8726 Passcode: 506925)
11	12.10-12.20pm	Group photos	
12	12.20-1.40pm	Lunch	Booth @ Seminar Room 2 (Borries Pte Ltd)

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13	1.40-2.00pm	Talk 6 Choosing the right imaging modality	Ms Lee Shu Ying Confocal Microscopy Unit, Yong Loo Lin School of Medicine, NUS
14	2.00-2.30pm	Talk 7 Advanced Fiber Laser Pulsed Sources for Nonlinear Optical Microscopy	Associate Professor Sze Yun Set Tokyo University, Japan * (Via zoom ID: 848 7077 8726 Passcode: 506925)
15	2.30-2.50pm	Talk 8 Revolutionizing Life Science Research with mIRage®-LS: An Innovative Infrared Characterization Technology New <500nm IR with simultaneous Raman and co-located Fluorescence	Dr Lim Fei Tieng Hi-Tech Instruments Pte Ltd
16	2.50-3.10pm	Talk 9 Achieving reliable quantitative optical sections with smart microscopy using ApoTome.3 and AI Sample Finder	Dr Raymond Woo Carl Zeiss Pte. Ltd.
17	3.10-3.30pm	Talk 10 New technology to democratize direct detection in TEM below 200kV for low-dose and low-kV application	Mr Royston Extrad Instrumentation Pte Ltd
18	3.30-4.00pm	Talk 11 Novel diphenylacetylene as imaging agents	Professor Carrie Ambler Durham University, UK * (Via zoom ID: 848 7077 8726 Passcode: 506925)
19	4.00-4.20pm	Talk 12 Coral Life live cell correlative light and electron microscopy (CLEM): Capture life the moment it happens	Dr Adrian Boey Leica Microsystems (SEA) Pte Ltd
20	4.20-4.40pm	Talk 13 Mapping the Future with Spatial Genomics	Mr Thaddaeus Teo VIZGEN
21	4.40-5.00pm	Talk 14 Application Electron Microscope	Dr Chen Xiao Ming Borries Pte Ltd
22	5.00-5.20pm	Talk 15 Scanning Ion Conductance Microscopy (SICM) of Living Cells	Dr Petr Gorelkin ICAPPIC Limited, UK