

Microscopy Society (Singapore) Annual General Scientific Meeting 2026 Programme

Date: 24 April 2026

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

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

DATE / TIME	PROGRAM	SPEAKER
Chair: A/Prof Van Kan Jeroen Anton 9.00-9.20am	High Resolution Imaging with Nuclear Microscopy	Mr Frederick, Cheong Wei Qiang PhD. Candidate, Faculty of Science National University of Singapore
9.20-9.40am	Applications of Particle-Induced X-Ray Emissions (PIXE) in Provenance Studies of Heritage Materials (Archaeological Ceramics in Singapore)	Dr Alasdair Chi Xin Ren School of Humanities Nanyang Technological University
9.40-10.00am	Flash radiotherapy: advancement and current progress in Singapore	Dr Tan Hong Qi Division of Radiation Oncology National Cancer Centre Singapore
10.00-10.30am	Tea Break	
Chair: Prof Thorsten Wohland 10.30-11.00am	Microscopy Beyond the Lab: Engaging the Next Generation	Dr Lim Xiaodai Sharon Department of Physics National University of Singapore
11.00-11.20am	Jamin-Lebedeff Interference (JLI) Microscopy: History, Principles, Instrumentation, and Quantitative Phase Analysis	Mr Shiraz S K Singapore
MS(S) AGM 11.20am-12.00pm	President's Report Treasurer's Report Election of Internal Auditors	Prof. Ong Wei Yi, Department of Anatomy Dr. Ren Minqin, Department of Physics National University of Singapore
12.00-1.40pm	GROUP PHOTO AND LUNCH	Booths @ lounge by: JEOL (Asia) Pte. Ltd. AceXon Technologies Pte Ltd Mettler-Toledo (S) Pte Ltd
Chair: Prof Ong Wei Yi 1.40-2.00pm	Why learning microscopy is so hard and how to fix it by making it Harder?	Mr Lin Yangchen Centre for BiImaging Sciences National University of Singapore
2.00-2.20pm	Birth of a Lumen: Multiscale Imaging Reveals a Novel Mechanism of Apical Domain Initiation	Asst Prof Alexander Ludwig School of Biological Sciences Nanyang Technological University
2.20-2.40pm	Loss of STMP1 perturbs mitochondrial cristae and drives cellular inflammation and heart failure	Dr Francesco Ruberto Department of Medicine National University of Singapore
2.40-3.00pm	Cryo-FIB-SEM for Multiscale Structural Analysis of Biological Samples	Ms. Anna Liew Hwi Fen JEOL (Asia) Pte. Ltd.
Chair: Dr Deepika Kandilya 3.00-3.20pm	AI Enabled Cryo-EM Workflows with Glacios 3 and Krios 5 for Drug Discovery and Translational Biomedicine	Dr NIE Xin Thermo Fisher Scientific
3.20pm-3.40pm	Array Tomography volume EM: The Leica solution	Dr Boey, Adrian Leica Microsystems (SEA) Pte Ltd
3.40-4.00pm	Microglia in Ischemic Stroke: Morphometric Profiling in Spatiotranscriptomic Pipelines	Dr Kevin Jayaraj Department of Anatomy National University of Singapore
4.00-4.20pm	ZEISS Spatial Biology Solutions. From Complexity to Clarity: Workflow Automation at Scale	Dr Raymond Woo ZEISS Research Microscopy Solutions
4.20-5.00pm	Tea Break and Close	



Department of Anatomy
Yong Loo Lin School of Medicine

