

**MICROSCOPY SOCIETY OF SINGAPORE SCHOOL 2015 and ANNUAL GENERAL SCIENTIFIC MEETING – AGSM 2015
ADVANCES IN FLUORESCENCE MICROSCOPY**

Friday, 10th April 2015

Centre for Life Sciences

National University of Singapore

28 Medical Drive, Singapore 117456 (Updated: 8.4.15)

Time	Event / Title	Speaker	Notes
8.00-8.30am	Registration and Micrograph Set Up		
	Advances in Fluorescence Microscopy Symposium 1 Chair: Wei-Yi Ong		
8.30am	Welcome	Wei-Yi Ong, President of MS(S)	
8.30-9.00am	Principles of Fluorescence Microscopy and Spectroscopy	Radek Machan on behalf of Thorsten Wohland Departments of Biological Sciences and Chemistry, NUS	
9.00-9.30am	Principles of Super Resolution Microscopy (Structured illumination, PALM)	Bernard Ricardo NUS High School of Maths and Science	
9.30-10.00am	CLARITY Technique and Light Sheet Microscopy	Jigna Rajesh Kumar NUS Graduate School for Integrative Sciences and Engineering and Dept. of Pharmacology, NUS	
10.00-10.30am	Tea Break, Exhibition and Micrograph Viewing		
10.30-11.00am	Fluorescent Nanoparticles for Bioimaging	Yong Zhang Biomedical Engineering, NUS	
11.00-11.30am	Graphene Quantum Dots -- a New Class of Fluorophores	Peng Chen Biomedical Engineering Nanyang Technological University	
11.30-12.00noon	Proton Beam Induced Fluorescence	Andrew Bettiol Department of Physics NUS	
12.00-12.15pm	Technical Presentation - 3D analysis in SEM (Non-Destruction)	Wang Rui Bruker	
12.15-12.30pm	Technical Presentation - Leica Dmi8	Adam Cliffe Leica	
12.30-12.45pm	Technical Presentation - New Techniques for Fluorescence Microscopy in Quantitative Pathology	Chris Johnson Perkin Elmer	
12.45-1.00pm	MS(S) Annual General Meeting	President's report and treasurer's report 2015	
1.00-1.50pm	Lunch, Exhibition and Micrograph Viewing		
1.50-2.00pm	Prize Presentation for Micrograph Competition		
	Advances in Fluorescence Microscopy Symposium 2 Chair: Prof. Hing Hiang Lian		
2.00-2.30pm	Optogenetics	Gavin Dawe Dept. of Pharmacology and SINAPSE, NUS	
2.30-3.00pm	Correlative Light and Electron Microscopy (CLEM)	Wei-Yi Ong Department of Anatomy, NUS	
3.00-3.15pm	Technical Presentation - High Throughput 120kV Transmission Electron Microscope	Anna Liew Hwi Fen Jeol	
3.15-3.30pm	Technical Presentation – Unmask the Secrets of Fluorescence-Labeled Specimens by Confocal LSM based Super Resolution with Sub-Airy Sampling	Samuel Ko Zeiss	
3.30-4.00m	Tea Break and Exhibition		
	Oral Presentations		
4.00-4.15pm	Liver autophagy and its pathophysiological implications	Rohit Anthony Sinha Duke-NUS Graduate Medical School	
4.15-4.30pm	Thyroid hormone (TH)-mediated autophagy regulates oxidative fiber proportion in skeletal muscle	Ronny Lesmana Duke-NUS Graduate Medical School	
4.30-4.45pm	Probing the epigenetic mechanisms that regulate the activation of microglial cells in brain Pathology	Radhika Patnala Department of Anatomy, NUS	
4.45-5.00pm	Close		