

QRW Programme
Advances in Microscopy
 Tuesday 31 August, 2021
 Rydges Hotel, Queenstown, New Zealand

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Time	Details	Location
<u>New Technologies</u> Chaired by Karen Reader (University of Otago) Sponsored by ZEISS		
9.00am - 9.20am	Allan Mitchell (AM1) University of Otago <i>Serial Block-Face Scanning Electron Microscopy (SBF-SEM). What is it and what can it do?</i>	Wakatipu Rm
9.20am - 9.40am	Rob Woolley (AM2) University of Otago <i>Is seeing believing?</i>	Wakatipu Rm
9.40am – 10.00am	Richard Yulo (AM3) ZEISS <i>Lattice illumination technologies</i>	Wakatipu Rm
10.00am-10.30am	Morning Tea	Level 4, Trades Area
<u>Ways and Means</u> Chaired by Lloyd Donaldson (Scion) Sponsored by Bio-Strategy		
10.30am - 10.50am	Duane Harland (AM4) AgResearch <i>A curly question about hair answered using confocal microscopy</i>	Wakatipu Rm
10.50am - 11.10am	Ian Hallett (AM5) Plant&Food Research <i>Immuno-labelling of cell walls: perils and pitfalls</i>	Wakatipu Rm
11.10am - 11.30am	Jacqueline Ross (AM6) University of Auckland <i>Ready, STEDy, go – first steps into STED microscopy</i>	Wakatipu Rm
11.30am - 11.45am	Sai Velamoor (AM7) University of Otago	Wakatipu Rm

	<i>Visualizing viral infection with volume electron microscopy</i>	
11.45am - 12.00am	Ria Rebstock (AM8) Plant&Food Research <i>Designer skins; fruit features contributing to lowered transpiration rates</i>	Wakatipu Rm
12.00am - 12.15am	Halima Samiullah (AM9) University of Otago <i>Understanding the Role of Plasminogen Receptors in Lipoprotein(a) Uptake via Confocal Microscopy</i>	Wakatipu Rm
12.15am - 12.30am	Pavel Filipcik (AM10) University of Otago <i>Chasing tiny crystals: MicroED at Otago</i>	Wakatipu Rm
12.30pm-1.30pm	Lunch	Level 4, Trades Area
<u>Material technologies</u> Chaired by David Prior (University of Otago)		
1.30pm-1.50pm	Monica Tromp (AM11) University of Otago <i>Microbioarchaeology and the role of microscopy</i>	Wakatipu Rm
1.50pm- 2.10pm	Ruzica Dadic (AM12) Victoria University of Wellington <i>Microstructure of Snow</i>	Wakatipu Rm
2.10pm - 2.30pm	Sheng Fan (AM13) University of Otago <i>Microscopy of grain boundary and internal structure of ice</i>	Wakatipu Rm
2.30pm - 2.45pm	Marianne Negrini (AM14) University of Otago <i>Crystallographic and nanomechanical properties of smooth and pustulose laminated bryozoan</i>	Wakatipu Rm
2.45pm - 3.00pm	Rebecca Benham (AM15) University of Otago <i>Analysing archaeological crop palynomorphs using light microscopy and SEM</i>	Wakatipu Rm
3.00pm - 3.30pm	POSTERS Short presentations (1 slide / 2 minutes)	Wakatipu Rm
3.30pm - 4.00pm	Afternoon Tea	Level4, Trades Area

Biological Sciences
Chaired by Mihnea Bostina (University of Otago)
Sponsored by JEOL

In the memory of Alok Mitra

4.00pm - 4.20pm	Mark Hurst (AM16) AgResearch <i>Defining the structure and assembly of the antifeeding prophage</i>	
4.20pm - 4.40pm	Laura Gummy (AM17) University of Otago <i>Visualising transport in neurons</i>	
4.40pm - 5.00pm	Ren Dobson (AM18) Canterbury <i>Unravelling the molecular basis of bacterial gene regulation</i>	
5.00pm - 5.15pm	Thilina Herath (AM19) University of Otago <i>Role of host exocytosis in cell-to-cell spread of Shigella flexneri</i>	
5.15pm - 5.30pm	Kendra Boyes (AM20) Victoria University of Wellington <i>Use of electron and confocal microscopy to evaluate pharmacotherapies promoting remyelination and repair in a preclinical model of multiple sclerosis</i>	
5.30pm - 5.45pm	Lloyd Donaldson (AM21) Scion <i>Confocal SRRF microscopy of plant cell walls</i>	
5.45pm - 6.00pm	Shaima Albeloushi (AM22) University of Auckland <i>A Microscopic Study of the Effect of Branched Chain Amino Acid Supplementation on Endocrine Pancreas in Preterm-born Lambs at One Year of Age</i>	
6.15pm - 7.30pm	POSTER SESSION Sponsored by MNZ Canapes and drinks	Foyer Outside Room
7.30pm – 9.30pm	Fashionomics <i>sponsored by Thermo Fisher Scientific</i>	Level 4, Trade Area