

## QRW Programme

### Drugs, Devices & Diagnostics

Sunday 26 August – Monday 27 August, 2018

Rydges Hotel, Queenstown, New Zealand

## Sunday 26 August

Time	Details	Location
<b>Session 1</b> Chaired by Allan Gamble, University of Otago		
8.45am – 8.50am	<b>Introduction : Joel Tyndall</b> D4, University of Otago	
8.50am - 9.40am	<b>Jeff Keillor (D1)</b> Centre for Chemical and Synthetic Biology (CCSB), Department of Chemistry and Biomolecular Sciences (CBS), University of Ottawa, Canada <i>Inhibition and Conformational Modulation of the Multifunctional Tissue Transglutaminase</i>	
9.40am - 10.00am	<b>Lyn Wise (D2)</b> sponsored by Maurice Wilkins Centre University of Otago <i>Improved healing and scar quality in surgical wounds following treatment with a viral protein combination</i>	
10.00am-10.30am	<b>Morning Tea</b>	
<b>Session 2</b> Chaired by Joel Tyndall, University of Otago		
10.30am-10.50am	<b>Dan Furkert (D3)</b> University of Auckland <i>Inhibitors of menaquinone biosynthesis for control of pathogenic bacteria</i>	
10.50am-11:10am	<b>Carla Meledandri (D4)</b> University of Otago <i>Microbial biofilm prevention with silver nanoparticle- modified glass ionomer cements</i>	
11:10am-11:30am	<b>John Reynolds (D5)</b> University of Otago <i>Towards temporal and spatial control of drug delivery within the brain – application to Parkinson’s disease and focal seizures</i>	
11:30am-11:50am	<b>Simon Malpas (D6)</b> University of Auckland <i>The development of a device for the long term measurement of pressure</i>	

11:50am-12:10pm	<b>Eng Wui Tan (D7)</b> University of Otago <i>Pulse-modulation drug delivery from liposomal nanostructures</i>	
12:10pm-12:30pm	<b>Shalen Kumar (D8)</b> AuramerBio <i>Diagnostic</i>	
12:30pm-1:30pm	<b>Lunch</b>	
<b>Session 3</b> <b>Chaired by Greg Walker, University of Otago</b>		
1:30pm-2:30pm	<b>Abdul Basit (D9)</b> UCL School Of Pharmacy, University College London <i>Gut Instincts: Explorations in intestinal physiology and drug delivery</i>	
2:30pm-2:50pm	<b>Gabriella Lindberg (D10)</b> University of Otago, Christchurch <i>Photo-curable Thiol-ene gelatin-heparin hydrogels for 3D-biofabrication of functional cartilage.</i>	
2:50pm-3:10pm	<b>Jack Flanagan (D11)</b> University of Auckland <i>Evidence for an allosteric drug binding site in the lipid kinase PI3Ka</i>	
3:10pm-3:30pm	<b>Shyamal Das (D12)</b> University of Otago <i>In vitro dissolution behaviour of respirable anti-tubercular drug particles</i>	
3:30pm-4pm	<b>Afternoon Tea</b>	
<b>Session 4</b> <b>Chaired by Bill Hawkins, University of Otago</b>		
4pm-4:50pm	<b>Guillame Lessene (D13)</b> Walter and Eliza Hall Institute of Medical Research <i>Targeting BCL-2 family proteins to treat cancer: expanding the repertoire of small molecules BH3-mimetics</i>	
4:50pm-5:10pm	<b>Allan Gamble (D14)</b> University of Otago <i>Bioorthogonal prodrug activation</i>	
<b>Student Talks</b>		
5:10pm-5:25pm	<b>Lari Dkhar (D15)</b> Auckland University of Technology <i>3D-printed shells for drug delivery</i>	
5:25pm-5:40pm	<b>Jun Li (D16)</b> University of Otago, Christchurch <i>Optimization of TiO<sub>2</sub> nanotube formation and dimensions on Ti6Al4V alloys influences osteogenic differentiation of human mesenchymal stromal cells</i>	
5:40pm-5:55pm	<b>Abbey Long (D17)</b> Auckland University of Technology <i>3D printed ballistic drug delivery system for wildlife applications</i>	
6pm – 7:30pm	<b>Poster Session</b>	
7:30-8:30pm	Drinks and nibbles	

## Monday 27 August

Time	Details	Location
<b>Session 5</b> <b>Chaired by Jaydee Cabral, University of Otago</b>		
Time	Details	Location
9:00am-9:20am	<b>Darren Svirskis (D18)</b> University of Auckland <i>PEDOT membranes for electrically tuneable drug delivery</i>	
9:20am-9:40am	<b>David Cardoso (D19)</b> Children's Medical Research Institute, Westmead & University of Sydney <i>Dynamin structure and function hinging on ryngos</i>	
9:40am-10:00am	<b>Arlene McDowell (D20)</b> University of Otago <i>Drug delivery for wildlife</i>	
10:00-10:30am	<b>Morning Tea</b>	
<b>Session 6</b> <b>Chaired by Dan Furkert, University of Auckland</b>		
10:30am-10:50am	<b>Jillian Cornish (D21)</b> University of Auckland <i>Biological strategies for promoting bone and tendon healing</i>	
10:50-11:10am	<b>Joanne Harvey (D22)</b> Victoria University of Wellington <i>Exploring the Btk Active Site</i>	
11:10-11:30am	<b>Tim Woodfield (D23)</b> <i>sponsored by Bio-Strategy</i> University of Otago, Christchurch <i>Designing Bio-ink and Bio-resin platforms for 3D Bioprinting and bioassembly</i>	
11:30-11:50am	<b>Dave Larsen (D24)</b> University of Otago <i>Norborn-2-en-7-ones as physiologically-triggered Carbon monoxide-releasing prodrugs</i>	
11:50am-12:10pm	<b>Bryan Ruddy (D25)</b> Auckland Bioengineering Institute, University of Auckland <i>Controllable needle-free jet injection: from the laboratory to the clinic</i>	
12:10-12:30pm	<b>Julie Spicer (D26)</b> <i>sponsored by Compounds Australia</i> University of Auckland <i>Perforin inhibitors: A twist in the tale</i>	
12:30-1:30pm	<b>Lunch</b>	

<b>Session 7</b> <b>Chaired by Bill Hawkins (University of Otago)</b>		
1:30pm-2:30pm	<b>Jonathan Baell (D27)</b> The Monash Institute of Pharmaceutical Sciences <i>Forays in drug discovery</i>	
2:30-2:50pm	<b>Emily Parker (D28)</b> <i>sponsored by pH Scientific</i> Victoria University of Wellington <i>Twisting tails and curious channels – the phosphoribosyltransferases</i>	
2:50-3:10pm	<b>Rudi Marquez (D29)</b> University of Canterbury <i>Development of transfection and drug delivery Vehicles</i>	
3:30-4pm	<b>Afternoon Tea</b>	
<b>Session 8</b> <b>Chaired by Joel Tyndall (University of Otago)</b>		
4pm-5pm	<b>Maree Smith (D30)</b> <i>sponsored by Maurice Wilkins Centre</i> Centre for Integrated Preclinical Drug Development (CIPDD), School of Biomedical Sciences, Faculty of Medicine, St Lucia Campus, The University of Queensland <i>EMA401 – A novel analgesic in clinical development for the treatment of neuropathic pain</i>	
	Closing Remarks	

<b><u>Queenstown Research Week Opening Night Welcome and Plenary Session</u></b>		
6.00pm	<b>Welcome and Conference Opening: Peter Shepherd</b> University of Auckland	
6.00pm – 7.00pm	<b>Plenary Introduction: Peter Mace</b> <i>sponsored by Lab Supply Ltd</i> University of Otago	
	<b>Professor Elizabeth Blackburn</b>  2009 Nobel Prize in Physiology or Medicine for discovery of how chromosomes are protected by telomeres and the enzyme telomerase University of California, San Francisco  Sponsor: Health Sciences, University of Otago	
7.00pm	<b>Opening Night Mixer</b> <i>sponsored by Abacus DX</i>	