

QRW Programme

Drugs, Devices & Diagnostics

Sponsored by MedTech CoRE, Kamahi Electronics, Bayer

Sunday 26 August – Monday 27 August, 2018

Rydges Hotel, Queenstown, New Zealand

Sunday 26 August

Time	Details	Location
Drugs, Devices & Diagnostics Session 1 Chaired by Allan Gamble, University of Otago		
8.45am – 8.50am	Introduction : Joel Tyndall D4, University of Otago	Dart Room, QT Building
8.50am - 9.40am	Jeff Keillor (D1) 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>	Dart Room, QT Building
9.40am - 10.00am	Lyn Wise (D2) 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>	Dart Room, QT Building
10.00am-10.30am	Morning Tea	Trades Area
Drugs, Devices & Diagnostics Session 2 Chaired by Joel Tyndall, University of Otago		
10.30am-10.50am	Dan Furkert (D3) University of Auckland <i>Inhibitors of menaquinone biosynthesis for control of pathogenic bacteria</i>	Dart Room, QT Building
10.50am-11:10am	Carla Meledandri (D4) University of Otago <i>Microbial biofilm prevention with silver nanoparticle- modified glass ionomer cements</i>	Dart Room, QT Building
11:10am-11:30am	John Reynolds (D5) University of Otago <i>Towards temporal and spatial control of drug delivery within the brain – application to Parkinson’s disease and focal seizures</i>	Dart Room, QT Building
11:30am-11:50am	Simon Malpas (D6) University of Auckland <i>The development of a device for the long term measurement of pressure</i>	Dart Room, QT Building
11:50am-12:10pm	Eng Wui Tan (D7) University of Otago <i>Pulse-modulation drug delivery from liposomal nanostructures</i>	Dart Room, QT Building
12:10pm-12:30pm	Shalen Kumar (D8) AuramerBio <i>Building a biosensor for roadside testing of illicit drugs using DNA aptamers</i>	Dart Room, QT Building

12:30pm-1:30pm	Lunch	
Drugs, Devices & Diagnostics Session 3 Chaired by Greg Walker, University of Otago		
1:30pm-2:30pm	Abdul Basit (D9) UCL School Of Pharmacy, University College London <i>Gut Instincts: Explorations in intestinal physiology and drug delivery</i>	Dart Room, QT Building
2:30pm-2:50pm	Gabriella Lindberg (D10) University of Otago, Christchurch <i>Photo-curable Thiol-ene gelatin-heparin hydrogels for 3D-biofabrication of functional cartilage.</i>	Dart Room, QT Building
2:50pm-3:10pm	Jack Flanagan (D11) University of Auckland <i>Evidence for an allosteric drug binding site in the lipid kinase PI3Ka</i>	Dart Room, QT Building
3:10pm-3:30pm	Shyamal Das (D12) University of Otago <i>In vitro dissolution behaviour of respirable anti-tubercular drug particles</i>	Dart Room, QT Building
3:30pm-4pm	Afternoon Tea	Trades Area
Drugs, Devices & Diagnostics Session 4 Chaired by Bill Hawkins, University of Otago		
4pm-4:50pm	Guillame Lessene (D13) 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>	Dart Room, QT Building
4:50pm-5:10pm	Allan Gamble (D14) University of Otago <i>Bioorthogonal prodrug activation</i>	Dart Room, QT Building
Student Talks		
5:10pm-5:25pm	Lari Dkhar (D15) Auckland University of Technology <i>3D-printed shells for drug delivery</i>	Dart Room, QT Building
5:25pm-5:40pm	Jun Li (D16) University of Otago, Christchurch <i>Optimization of TiO₂ nanotube formation and dimensions on Ti6Al4V alloys influences osteogenic differentiation of human mesenchymal stromal cells</i>	Dart Room, QT Building
5:40pm-5:55pm	Abbey Long (D17) Auckland University of Technology <i>3D printed ballistic drug delivery system for wildlife applications</i>	Dart Room, QT Building
6pm – 7:30pm	Poster Session Social Mixer <i>sponsored by Abcam</i>	Marquee Trades Area
7:30-8:30pm	Drugs, Devices & Diagnostics Drinks and Nibbles	Reds Bar

Monday 27 August		
Time	Details	Location
<u>Drugs, Devices & Diagnostics Session 5</u> Chaired by Jaydee Cabral, University of Otago		
Time	Details	Location
9:00am-9:20am	Darren Svirskis (D18) University of Auckland <i>PEDOT membranes for electrically tuneable drug delivery</i>	Dart Room, QT Building
9:20am-9:40am	David Cardoso (D19) Children's Medical Research Institute, Westmead & University of Sydney <i>Dynamin structure and function hinging on ryngos</i>	Dart Room, QT Building
9:40am-10:00am	Arlene McDowell (D20) University of Otago <i>Drug delivery for wildlife</i>	Dart Room, QT Building
10:00-10:30am	Morning Tea	Trades Area
<u>Drugs, Devices & Diagnostics Session 6</u> Chaired by Dan Furkert, University of Auckland		
10:30am-10:50am	Jillian Cornish (D21) University of Auckland <i>Biological strategies for promoting bone and tendon healing</i>	Dart Room, QT Building
10:50-11:10am	Joanne Harvey (D22) Victoria University of Wellington <i>Exploring the Btk Active Site</i>	Dart Room, QT Building
11:10-11:30am	Tim Woodfield (D23) <i>sponsored by Bio-Strategy</i> University of Otago, Christchurch <i>Designing Bio-ink and Bio-resin platforms for 3D Bioprinting and bioassembly</i>	Dart Room, QT Building
11:30-11:50am	Dave Larsen (D24) University of Otago <i>Norborn-2-en-7-ones as physiologically-triggered Carbon monoxide-releasing prodrugs</i>	Dart Room, QT Building
11:50am-12:10pm	Bryan Ruddy (D25) Auckland Bioengineering Institute, University of Auckland <i>Controllable needle-free jet injection: from the laboratory to the clinic</i>	Dart Room, QT Building
12:10pm-12:15	Compounds Australia	Dart Room, QT Building
12:15-12:35pm	Julie Spicer (D26) <i>sponsored by Compounds Australia</i> University of Auckland <i>Perforin inhibitors: A twist in the tale</i>	Dart Room, QT Building
12:35-1:30pm	Lunch	Trades Area

Drugs, Devices & Diagnostics Session 7 Chaired by Bill Hawkins (University of Otago)		
1:30pm-2:30pm	Jonathan Baell (D27) The Monash Institute of Pharmaceutical Sciences <i>Forays in drug discovery</i>	Dart Room, QT Building
2:30pm-2:50pm	Emily Parker (D28) <i>sponsored by pH Scientific</i> Victoria University of Wellington <i>Twisting tails and curious channels – the phosphoribosyltransferases</i>	Dart Room, QT Building
2:50pm-3:10pm	Rudi Marquez (D29) University of Canterbury <i>Development of transfection and drug delivery Vehicles</i>	Dart Room, QT Building
3:10pm-4.00pm	Afternoon Tea	
Drugs, Devices & Diagnostics Session 8 Chaired by Joel Tyndall (University of Otago)		
4.00pm-5pm	Maree Smith (D30) <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>	Dart Room, QT Building
	Closing Remarks	Dart Room, QT Building

<u>Queenstown Research Week Opening Night Welcome and Plenary Session</u>		
6.00pm – 6.10pm	Welcome and Conference Opening: Peter Shepherd University of Auckland	Queenstown and Clancy's Room
6.10pm – 6.25pm	Official Opening: Prof. Juliet Gerrard Prime Minister's Chief Science Advisor	Queenstown and Clancy's Room
6.25pm – 7.30pm	Plenary Introduction: Peter Mace University of Otago	Queenstown and Clancy's Room
	Professor Elizabeth Blackburn 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 <i>Sponsored by Health Sciences, University of Otago</i>	Queenstown and Clancy's Room
7.30pm – 9.00pm	Opening Night Mixer <i>sponsored by Abacus DX</i>	Trades Area