

## Conference Programme

<b>DAY 1 – Wednesday 29<sup>th</sup> August 2018 – WELCOME FUNCTION</b>	
18.30 – 18.35	<b>Welcome</b> Nuala Helsby <i>Chair of ASCEPT NZ</i>
18.35 – 19.30	<b>Registration opens.</b> Drinks, nibbles, and networking function

<b>DAY 2 – Thursday 30<sup>th</sup> August 2018 – ANNUAL SCIENTIFIC MEETING</b>	
08.30 – 09.00	<b>Registration opens.</b> Tea and coffee available
<b>Welcome – Nuala Helsby</b>	
<b>Oral Communications 1 – Chair: John Ashton</b>	
09.00 – 09.15	<b>Jack Flanagan (A1)</b> University of Auckland <i>Evidence for an allosteric drug binding site in the lipid kinase PI3Ka</i>
09.15 – 09.30	<b>Mei Zhang (A2)</b> University of Otago <i>Stability of 6-thioguanine in mesalazine enemas: a possible future proctitis treatment.</i>
09.30 – 09.45	<b>Maia Van Kan (A3)</b> University of Auckland <i>Assessment of a PCR-based assay to detect TP53 adducts after exposure to DNA alkylating agents</i>
09.45 – 10.00	<b>Christa Macdonald (A4)</b> University of Auckland <i>Cannabinoid receptor expression and signalling in primary glioblastoma multiforme (GBM) cultures</i>
10.00 – 10.15	<b>Paul Chin (A5)</b> University of Otago <i>Real-world dabigatran concentration monitoring - Christchurch experience</i>
10.15 – 10.45	<b>Morning tea</b>
<b>Student Presentations 1 – Chair: Hesham Al-Sallami</b>	
10.45 – 11.00	<b>Riya Biswas (A6)</b> Auckland University of Technology <i>Role of MRP2 in oxaliplatin transport and response in colorectal cancer cells</i>

11.00 – 11:15	<b>Xiao Zhu (A7)</b> University of Otago <i>A kinetic model for describing signalling profiles of the cannabinoid-1 receptor</i>
11.15 – 11.30	<b>Minghan Yong (A8)</b> University of Auckland <i>Measurement of Thymidylate Synthase: the intracellular target of 5-fluorouracil</i>
11.30 – 11.45	<b>Kieran Deane-Alder (A9)</b> University of Auckland <i>Circulating microRNA expression and clozapine-induced cardiac injury</i>
11.45 – 12.00	<b>Nensi Shrestha (A10)</b> University of Otago <i>MAPK/ERK pathway and ALK inhibition has synergistic cytotoxicity in crizotinib resistant EML4-ALK-positive lung cancer</i>
12.00 – 12.15	<b>Isabelle Kuan (A11)</b> University of Otago <i>Should we use metformin in patients with chronic renal impairment? A systematic review of published metformin associated lactic acidosis cases</i>
12.15 – 13.00	<b>Lunch</b>
<b>Symposium – Medicinal Cannabis or Cannabis as a Medicine? – Chair: Michelle Glass</b>	
13.00 – 13.10	<b>Michelle Glass (A12)</b> University of Otago <i>An Introduction to Cannabis as a Medicine</i>
13.10 – 13.40	<b>Mary Jane McCarthy (A13)</b> Institute of Environmental Science and Research <i>Medicinal cannabis: a regulatory perspective</i>
13.40 – 14.10	<b>Karen Oldfield (A14)</b> Medical Research Institute of New Zealand <i>Medical Cannabis: Knowledge, Attitudes and Expectations amongst Wellington based General Practitioners</i>
14.10 – 14.50	<b>Jennifer Martin (A15)</b> University of Newcastle <i>Medical cannabis shows predictable pharmacological behaviour</i>
14.50 – 15.10	<b>Panel Discussion</b>
15.10 – 15.40	<b>Afternoon tea</b>
<b>Oral Communications 2 – Chair: Chris Cameron</b>	
15.40 – 15.55	<b>John Ashton (A16)</b> University of Otago <i>Cytotoxicity of curcumin derivatives in ALK+ non-small cell lung cancer cells.</i>
15.55 – 16.10	<b>Katie Burns (A17)</b> University of Auckland <i>mRNA expression of candidate 5-fluorouracil transporter genes in primary buccal mucosal cells</i>

16.10 – 16.25	<b>David Finlay (A18)</b> University of Otago <i>Evidence for in vivo toxicity of synthetic cannabinoids in rodents</i>
16.25 – 16.40	<b>Soo Hee Jeong (A19)</b> University of Auckland <i>An adapted assay to quantify thymine and dihydrothymine in patient urine after a thymine dose</i>
16.40 – 16.55	<b>Paul Chin (A20)</b> University of Otago <i>A nationwide survey on therapeutic drug monitoring of anti-tumour necrosis factor agents for inflammatory bowel disease</i>
16.55 – 17.00	<b>Comfort Break</b>
17.00 – 18.00	<b>ASCEPT AGM</b>
19.00	<b>Conference dinner</b>

### DAY 3 – Friday 31<sup>st</sup> August 2018 – ANNUAL SCIENTIFIC MEETING

#### Invited Speaker – Chair: Steve Duffull

09.00 – 09.30	<b>Catherine Sherwin (A21)</b> University of Utah <i>Developing Precision Medicine Approaches in Paediatric Populations</i>
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#### Student Presentations 2 – Chair: Malcolm Tingle

09.30 – 09.45	<b>Piyush Bugde (A22)</b> Auckland University of Technology <i>Knock out of ABCC5 gene using the CRISPR-CAS9 system increases gemcitabine sensitivity in pancreatic cancer (PANC-1) cells</i>
09.45 – 10.00	<b>Abigail Bland (A23)</b> University of Otago <i>Metformin in Combination with Crizotinib as an Anti-Cancer Treatment for EML4-ALK+ Non-Small Cell Lung Cancer.</i>
10.00 – 10.15	<b>Sudeep Pradhan (A24)</b> University of Otago <i>Evaluation of a study design to test the Intact Nephron Hypothesis</i>
10.15 – 10.30	<b>Mayerni Mutiara Situmorang (A25)</b> University of Auckland <i>Characterization of Nucleobase Transport in Human Cells</i>
10.30 – 11.00	<b>Morning tea</b>

#### Student Presentations 3 – Chair: Katie Burns

11.00 – 11.15	<b>Jaydeep Sinha (A26)</b> University of Otago <i>Development of predictive model for lean liver volume, a potential scaler for in vitro-in vivo extrapolation of drug clearance</i>
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11.15 – 11.30	<b>Jamie Manning (A27)</b> University of Otago <i>An evaluation of novel allosteric modulators of the type-1 cannabinoid receptor.</i>
11.30 – 11.45	<b>Jakeb Petersen (A28)</b> University of Otago <i>Antihelminthic benzimidazoles mebendazole and albendazole kill cancer cells via classical apoptosis</i>
11.45 – 12.00	<b>Stephanie Thwaite (A29)</b> University of Otago <i>Attenuation of ischaemia reperfusion injury in hypertrophic hearts with a novel carbon monoxide releasing molecule, oCOM-21.</i>
12.00 – 12.45	<b>Lunch</b>
<b>ASCEPT Guest Speaker – Chair: Nuala Helsby</b>	
12.45 – 13.15	<b>Carl Kirkpatrick (A30)</b> Monash University <i>Vancomycin dosing, target attainment, and optimisation in patients receiving high-flux haemodialysis</i>
<b>Oral Communications 3 – Chair: Dan Wright</b>	
13.15 – 13.30	<b>Stephen Jamieson (A31)</b> University of Auckland <i>Anticancer efficacy of evofosfamide in head and neck cancer tumour models</i>
13.30 – 13.45	<b>Nuala Helsby (A32)</b> University of Auckland <i>Prediction of patients with severe to life threatening fluoropyrimidine-induced gastrointestinal toxicity using the thymine challenge test</i>
13.45 – 14.00	<b>Chris Cameron (A33)</b> Capital and Coast District Health Board <i>Fits or falls – it's all in the genes/jeans</i>
14.00 – 14.15	<b>Mark McKeage (A34)</b> University of Auckland <i>Do concomitant medicines impede safe and effective personalised lung cancer treatment in NZ?</i>
14.15 – 14.30	<b>Matthew Doogue (A35)</b> University of Otago <i>Recording Adverse Drug Reactions in New Zealand</i>
14.30 – 15.00	<b>Conference Close and Prize Giving</b>