

## Heart: Summary of Abstracts for the Poster Session

No.	Title	Presenter	Institutions
P1	'Miniaturizing' Ca <sup>2+</sup> Imaging for Higher-throughput Screening of RyR2 and RyR2 Variants	Jaxson Murphy-Winterstein	University of Otago, Dunedin, New Zealand.
P2	Cellular inflammatory status of oxidised low-density lipoprotein on monocytes and atherosclerotic plaque	Martins Obinna Ogugofor	University of Canterbury, Christchurch, New Zealand.
P3	Investigating microRNA therapeutics in a 3D model of the ischaemic heart	Devin Tonkin	University of Otago, Dunedin, New Zealand.
P4	Investigating the effects of CK2 phosphorylation of RyR2 in cardiac arrhythmias	Alycia Kinns	University of Otago, Dunedin, New Zealand.
P5	Obstruction of the cardiac lymphatics alone is sufficient to replicate diastolic dysfunction and exercise intolerance	Dilsha Gimhani	University of Auckland, Auckland, New Zealand.
P6	Phosphorylation of Calsequestrin II alters spontaneous calcium leak	Elena Cruz	University of Otago, Dunedin, New Zealand.
P7	Sex-Specific Mechanisms of CaMKII Nitrosylation in Cardiac Function and Arrhythmia	Lauren Kruger	University of Otago, Dunedin, New Zealand.
P8	The implication of fibrosis in sex-based differences in diabetic cardiomyopathy	Georgia Walsh	University of Otago, Dunedin, New Zealand.
P9	The Sex-Specific Effect of CaMKII S-nitrosylation on Cardiac Ryanodine Receptor Organisation	Lily Burgin Penlington	University of Otago, Dunedin, New Zealand.
P10	Unravelling the Mechanisms of Atrial Arrhythmia	Raihaan Dalwai	University of Otago, Dunedin, New Zealand.
P11	Evaluating the Performance of Polygenic Risk Scores for Atrial Fibrillation in a High-Risk Population	Moizle Ocariza	University of Otago, Christchurch, New Zealand.
P12	Metabolite Sensitivity and Cross-Bridge Kinetics in Diabetic Human Cardiac Muscle: Insights from Experimental and Computational Analysis	Julia Musgrave	Auckland Bioengineering Institute

P13	Quantifying Sex-Based Differences in Apoptosis and Fibrosis in Nitric Oxide Sensitive Hearts	Marnie Hall	University of Otago, Dunedin, New Zealand.
P14	Evaluation of phenytoin-like compounds for anti-arrhythmic potential	Isabel Addison	University of Otago, Dunedin, New Zealand.
P15	Genome Sequencing in Cardiovascular Inherited Diseases – Developing Culturally Appropriate and Accessible Research Documentation	Te Whetu Aarahi Kerekere	University of Otago, Christchurch, New Zealand.
P16	Anti-Arrhythmic Potential of Phenytoin-Derived Compounds: Targeting RyR2-Mediated Calcium Leak	Anna Chang	University of Otago, Dunedin, New Zealand.
P17	Quantification of Sheer stress causing the formation of aggregated low density lipoprotein	Lucas Royds	University of Canterbury, Christchurch, New Zealand.
P18	Comparing the effect of various antidepressants on lipoprotein(a) uptake	Alexandria Rutherford-blyth	University of Otago, Dunedin, New Zealand.
P19	Investigating the Extra-Hepatic Uptake of Lipoprotein(a) and the Effect Of Citalopram Treatment	Cinthana Brabhakaran	University of Otago, Dunedin, New Zealand.
P20	Are genomic structural variants associated with cardiac biomarker concentration in Pacific People?	Simone Cree	University of Otago, Christchurch, New Zealand.
P21	Impact of Parental Obesogenic Diets on Cardiac Health in Adult Rat Offspring	Anna Ponnampalam	University of Auckland, Auckland, New Zealand.
P22	Serotonin-based antidepressants regulate lipoprotein(a) uptake in liver cells and mice	Katie Peppercorn	University of Otago, Dunedin, New Zealand.