Summary of Abstracts for the Poster Session Template

No.	Title	Presenter	Institutions
P1	Characterisation of p15(INK4b) amyloid formation	Ramana J[1], Hamzah E[2], Magon N[1], Morris V[2,3], Göbl C[1,2,3]	1 - Department of Pathology, University Of Otago, 3 - Biomolecular Interactions Centre , 2 - School of Biological Sciences, University of Canterbury
P2	Disrupting the oligomeric structure of peroxiredoxin 2 in cancer cells promotes cell death	Pace P, Helem S, Austad S, Peskin A, Winterbourn C, Hampton M	Mātai Hāora - Centre for Redox Biology and Medicine, University of Otago Christchurch
P3	Exploring the functional role of amyloid formation by the cell cycle regulator p18ink4c in Zebrafish Development	Greene G[1], Sethi A[1], Darroch H[2], Magon N[1], Horsfield J[2], Morris V[3,4], Göbl C[1,3,4]	4 - Biomolecular Interaction Centre, University of Canterbury, 1 - Mātai Hāora Centre for Redox Biology and Medicine, University of Otago Christchurch, 2 - Department of Pathology, University of Otago, 3 - University of Canterbury
P4	Exploring the TREM2-glycosaminoglycan binding site using solution NMR	Kumar S[1] , Sheen C[2], Göbl C[3], Morris V[1]	3 - Mātai Hāora - Centre for Redox Biology and Medicine, University of Otago Christchurch, 1 - School of Biological Sciences, University Of Canterbury, 2 - Canterbury Health Laboratories
P5	Folding-limited nucleation of curli suggests an evolved safety mechanism for functional amyloid production	Claridge J[1,2,3], Martens C[4], Sleutel M[2,3], Pradan B[2,3], Sobott F[5], Remaut H[2,3]	1 - Agresearch Ltd., 3 - Structural and Molecular Microbiology, Structural Biology Research Center, VIB, 5 - School of Molecular and Cellular Biology & Astbury Centre for Structural Molecular Biology, University of Leeds, 4 - Structure and Function of Biological Membranes - Chemistry Department, ULB, 2 - Structural Biology Brussels, Vrije Universiteit Brussel
P6	How allosteric tuning influences enzyme promiscuity and host adaptation	Given F, Ho T, Allison T, Bulloch E, Jiao W, Fries A, Mazzaferro L, Muller M, Johnston J	University Of Canterbury
P7	Hugh Green Technology Centre - an integrated core facilities approach to solving high-complexity genomics questions	Handley A[1], von Daake S[1], Moloney-Geany K[2], Price K[1]	2 - Malaghan Institute of Medical Research, 1 - Hugh Green Technology Centre at the Malaghan Research Institute of Medical Research
P8	Insights into the mechanism of the Streptococcus pneumoniae glutathione import system	du Toit S[1], De Cordovez P[1], Dickerhof N[1],	1 - University Of Otago, 2 - University of Canterbury

		Dobson R[2], Göbl C[1,2]	
P9	Insights into the structure and the oxidation-induced amyloid formation mechanism of the tumour suppressor protein p16	Gölitz A[1], de Cordovez P[1], Hamzah E[2], Morris VK[2], Göbl C[1,2]	1 - University Of Otago, 2 - University of Canterbury
P10	Investigating PHA synthases for better bioplastic production	Bailey M[1,2], Hoang V[1,2], Ho T[1,2], Given F[1,2], Nazmi A[1,3], Allison T[1,2], Johnston J[1,2]	2 - School of Physical and Chemical Sciences University Of Canterbury, 1 - Biomolecular Interaction Centre University Of Canterbury, 3 - School of Product Design University of Canterbury
P11	Investigating Promoter Methylation as a Driver of Opiate Receptor Gene Expression Using CRISPR SunTag Editing	Manning E[1], Osborne A[1], Dobson R[1]	1 - University Of Canterbury
P12	Investigating relationships between the microbiome and methylation profiles in colorectal cancer	Kinder C[1,2], Sulit A[1,2], Wiggins G[1,3], Purcell R[1,2]	1 - University Of Otago, Christchurch, 2 - Department of Surgery and Critical Care, 3 - Department of Pathology and Biomedical Science
P13	Investigating the anti-cancer properties of portimine	Helem S[1], McDonald C[1], Faville S[1], Seddon A[1], Pace P[1], Selwood A[2], Harwood T[2], Kumar A[3], Kleffman T[3], Hampton M[1]	1 - Mātai Hāora – Centre for Redox Biology and Medicine, Department of Pathology and Biomedical Science, University of Otago Christchurch, 2 - Cawthron Institute, 3 - Centre for Protein Research, University of Otago
P14	Investigating upstream open reading frames in Arabidopsis thaliana	Gibbon A[1], Macknight R[1], Lim C[1]	1 - University Of Otago
P15	Low maternal dietary vitamin C intake during pregnancy in guinea pigs results in an altered behavioural and metabolic phenotype in offspring and induces TET-dependent tissue-wide methylation changes	Vissers M[1], Smith-Diaz C[1], Coker S[3], Dyson R[3], Berry M[3], Hore T[4], Das A[2]	3 - University of Otago, Wellington, 2 - Walter and Eliza Hall Institute, 4 - University of Otago, 1 - University of Otago, Christchurch
P16	Nuclear Magnetic Resonance Analysis of Reflex Tear Metabolites in Parkinson's Disease	Coldicott R[6], Jemima Ganderton[1,2,3,4], Briana Smith[2,6], Tim Anderson[4,5], John Dalrymple-Alford[1,4,5], Christoph Göbl[3,6], Vanessa K. Morris[2,3]	1 - Department of Psychology, University of Canterbury, 2 - School of Biological Sciences, University of Canterbury, 3 - Biomolecular Interaction Centre, University of Canterbury, 4 - New Zealand Brain Research Institute, 5 - Department of Medicine, University of Otago, 6 - Mātai Hāora - Centre for Redox Biology and Medicine University of Otago Christchurch, 7 - Department of Neurology, Christchurch Hospital
P17	Oxidation of caspase-9 by hypothiocyanous acid triggers formation of amyloid-like aggregates that influence cell death outcomes	Austad S[1], Schwartfeger A[1], Hampton M[3], Göbl C[2,3], Morris V[1,3]	1 - School of Biological Sciences, University Of Canterbury, 3 - Biomolecular Interaction Centre, University of

			Canterbury, 2 - Mātai Hāora - Centre for Redox Biology and Medicine, University of Otago Christchurch
P18	Swimming against the tide: Ovarian fluid protects sperm from oxidative stress during external fertilisation	Helem S[1], Smith B[1], Hampton M[1], Rosengrave P[2]	2 - Department of Nursing, University of Otago, 1 - Mātai Hāora – Centre for Redox Biology and Medicine, University of Otago Christchurch
P19	Understanding a novel oxidation-induced amyloid formation mechanism of the tumour suppressor protein p16INK4a	de Cordovez P[1], Gray S[2], Heath S[1], Bird S[3], Demeler B[3,4], Morris V[2], Göbl C[1]	4 - University of Montana, 2 - University of Canterbury, 1 - University of Otago Christchurch, 3 - University of Lethbridge
P20	Unravelling the functional impact of the zebrafish P18ink4c transition into amyloid fibrils	Sethi A[1], Darroch H[2], Greene G[1], Magon N[1], Horsfield J[2], Morris V[3,4], Göbl C[1,4]	4 - Biomolecular Interaction Centre, University of Canterbury, Christchurch, New Zealand, 2 - Department of Pathology, University of Otago, Dunedin, New Zealand, 3 - University of Canterbury, Christchurch, 1 - Mātai Hāora Centre for Redox Biology and Medicine, University of Otago Christchurch
P21	Unravelling the oligomeric forms of the membrane-interacting EsxE-EsxF complex	Viet Anh Hoang	University of Canterbury
P22	How do independent coarse-grained models converge on defining accurate ensembles of intrinsically disordered proteins?	Ung V[1], Cullen M[1], Mercadante D[1]	University Of Auckland
P23	Ascorbate uptake and its effects on phenotype and cytokine expression in human monocyte-derived macrophages Dr. Stephanie Bozonet Mātai Hāora – Centre for Redox Biology and Medicine Group, Department of Pathology and Biomedical Science, University of Otago	Dr. Stephanie Bozonet	Mātai Hāora – Centre for Redox Biology and Medicine Group, Department of Pathology and Biomedical Science, University of Otago