

Redox Biology Satellite - 34th Meeting of the Society for Redox Research Australasia & 13th International Human Peroxidase Meeting Wednesday 2 September – Friday 4 September 2026 University of Otago Christchurch (UOC), 2 Riccarton Avenue, Christchurch New Zealand Te Pae Christchurch Convention Centre (Te Pae), 188 Oxford Terrace, Christchurch, New Zealand
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Wednesday 2 September (University of Otago Christchurch)		
Time	Details	Location (UOC)
8:15am-9:00am	Registration	Rolleston Foyer
9:00am-9:15am	Nina Dickerhof and Mark Hampton Welcome & opening remarks	Rolleston Lecture Theatre
<u>Session 1</u> Chaired by Mark Hampton (University of Otago Christchurch, New Zealand)		
9:15am-9:45am	Michael Davies (RB1) University of Copenhagen, Denmark <i>Myeloperoxidase and protein modification in cardiovascular disease</i>	Rolleston Lecture Theatre
9:45am-10:05am	Roland Stocker (RB2) The Heart Research Institute, Sydney, Australia <i>Development and validation of an activatable PET radiotracer reporting extracellular myeloperoxidase activity for the detection of unstable atherosclerotic plaque</i>	
10:05am-10:20am	Martins Obinna Ogugofor (RB3) * University of Canterbury, New Zealand <i>Oxidised low-density lipoprotein is not inflammatory in human peripheral blood mononuclear cells and atherosclerotic artery plaques</i>	
10:20am-10:35am	Dhilan Sharma (RB4) University of Sydney, Australia <i>Role of urate in promoting endothelial dysfunction: an early event in the development of vascular disease</i>	
10:35am-11:05am	Morning Tea	Rolleston Foyer
<u>Session 2</u> Chaired by Jereme Spiers (Australian National University, Australia)		
11:05am-11:35am	Miklós Geiszt (RB5) Semmelweis University, Hungary <i>Lactoperoxidase: functions beyond mucosal host defense</i>	Rolleston Lecture Theatre
11:35am-11:50am	Christoph Göbl (RB6) University of Otago Christchurch, New Zealand <i>A redox-regulated class of proteins with cysteine-switched amyloid assembly and disassembly</i>	
11:50am-12:10pm	Belal Chami (RB7) University of Sydney, Australia <i>Botanical modulation of redox-inflammatory pathways in psoriasis: in vitro and in vivo evaluation of amomum villosum extracts</i>	

12:10pm-12:25pm	Sydney Austad (RB8) * University of Canterbury, New Zealand <i>Caspase oxidation by hypothiocyanous acid triggers formation of amyloid-like aggregates that influence cell death outcomes</i>	Rolleston Lecture Theatre
12:25pm-12:40pm	Olivia Damiano (RB9) * University of Otago Christchurch, New Zealand <i>Glycine chloramine induces site-specific hypomethylation in a replicating colorectal cancer cell line</i>	
12:40pm-1:40pm	Lunch	Rolleston Foyer
<u>Session 3</u> Chaired by Christine Winterbourn (University of Otago Christchurch)		
1.40pm-3.00pm	Session celebrating career of Professor Tony Kettle Christine Winterbourn, Mark Hampton, Mike Davies, Bob Anderson, Roland Stocker, Richard Gearry, Lisa Stamp, Teagan Edwards	Rolleston Lecture Theatre
3:00pm-3:40pm	Plenary Speaker 1 Tony Kettle (RB10) University of Otago Christchurch, New Zealand <i>Novel metabolites and biomarkers of thiocyanate oxidation by human neutrophils</i>	Rolleston Lecture Theatre

Wednesday 2 September (Te Pae Convention Centre)

<u>QRW Plenary Lecture and Evening Social Function</u>		
Time	Details	Location (Te Pae)
4.00pm onwards	Registration at Te Pae Christchurch Convention Centre	Main reception
4.45pm	Audience takes seats	Conway C2+C3 live feed to C4 and C5
5.00pm-5.10pm	Introduction	
5.10pm-6.00pm	QRW Plenary Lecture <i>sponsored by Decode Science</i> Sir Graham Le Gros Malaghan Institute of Medical Research <i>Harnessing the power of the immune system using basic science and cutting-edge technologies</i>	
6.00pm-8.00pm	Evening Social Function & The Great QMB Trivia Night <i>sponsored by Thermo Fisher Scientific</i>	Exhibition Area

Thursday 3 September (Te Pae Convention Centre)

Time	Details	Location (Te Pae)
8.00am-8:30am	Registration	Te Pae reception
<u>Session 4</u> Chaired by Kristine McGrath (University of Technology Sydney, Australia)		
8.30am-9.10am	Plenary Speaker 2 Keriann Backus (RB11) University of California, Los Angeles, USA <i>Redox proteomic approaches to reveal the functional cysteine proteome during cell stress</i>	Conway C2
9.10am-9.30am	Takafumi Suzuki (RB12) Tohoku Univ. Graduate School of Medicine, Japan <i>Lack of an NRF2-mediated compensatory mechanism in the testis in response to selenoprotein deficiency</i>	

9.30am-10.00am	Liz Ledgerwood (RB13) University of Otago, New Zealand <i>Exploring the relationship between peroxiredoxin oligomeric state and function</i>	Conway C2
10.00am-10.30am	Morning Tea	Exhibition Area
Session 5 Chaired by Louisa Ashby (University of Otago Christchurch, New Zealand)		
10.30am-11.00am	Ulrike Kappler (RB14) University of Queensland, Australia <i>Where metabolism and virulence meet: Acetate production promotes immunomodulation in Haemophilus influenzae</i>	Conway C2
11.00am-11:15am	Helen Hemmling (RB15) * University of Copenhagen, Denmark <i>Hypochlorous acid-mediated modification diminishes the ability of histones to kill bacteria</i>	
11:15am-11:35am	Therese Featherston (RB16) Babraham Institute, UK <i>Redox regulation of CD45 in immunity</i>	
11:35am-11:50am	Sarah du Toit (RB17) * University of Otago Christchurch, New Zealand <i>Insights into the mechanism of glutathione import by Streptococcus pneumoniae</i>	
11:50am-12.20pm	Greg Cook (RB18) University of Otago, New Zealand <i>Exploiting hidden redox vulnerabilities in drug-resistant tuberculosis</i>	
12.30pm-1.30pm	Lunch	Exhibition Area
12.40pm-1.30pm	SFRR AGM	Conway C2
Session 6 Chaired by Belal Chami (University of Sydney, Australia)		
1.40pm-2.10pm	Joshua Chandler (RB19) Emory University, USA <i>Hypothiocyanous acid reversibly oxidizes glyceraldehyde 3-phosphate dehydrogenase in airway epithelial cells, and is associated with cytoprotective activation of multiple modes of the pentose phosphate pathway</i>	Conway C2
2.10pm-2.30pm	Steven Gieseg (RB20) University of Canterbury, New Zealand <i>Control of the synthesis of the macrophage antioxidant 7,8-dihydroneopterin</i>	
2.30pm-3.00pm	Margreet Visser (RB21) University of Otago Christchurch, New Zealand <i>The ascorbate dependency of DNA and histone demethylases: a complex interplay between redox regulation and epigenetics</i>	
3.00pm-3.30pm	Afternoon Break	Exhibition Area

<u>Session 7: ECR session</u> sponsored by Elsevier		
Chaired by Nina Dickerhof (University of Otago Christchurch, New Zealand)		
3.30pm-3.45pm	Natasha Vassileff (RB22) The Australian National University, Australia <i>Differential expression of oxidoreductases linked to microglia in Alzheimer's Disease</i>	Conway C2
3.45pm-4.00pm	Varnika Khattar (RB23) * The Australian National University, Australia <i>miR146a constrains nitric oxide mediated neuroinflammation</i>	
4.00pm-4.15pm	Jonas Benjamim (RB24) Deakin University, Australia <i>Effects of resistance training intensity on salivary nitric oxide metabolites in postmenopausal women</i>	
4.15pm-4.30pm	Samuel Hansen (RB25) * University of Technology Sydney, Australia <i>Evaluating oxidative stress responses to Zn-Cu-Li alloys and titanium oxide coating for cardiovascular stents within the vascular environment</i>	
4.30pm-5.30pm	Student Poster Pitches	
Poster Session & Conference Dinner		
5.30pm-7.30pm	Poster Session & Social Mixer <i>Social mixer sponsored by Lab Supply</i>	Exhibition Area
7.30pm-late	Conference Dinner Ticket only <i>Sponsored by Custom Science</i>	Original Sin, 76A Hereford Street

Friday 4 September (Te Pae Convention Centre)		
Time	Details	Location (Te Pae)
Session 8 Chaired by Tony Kettle (University of Otago Christchurch, New Zealand)		
9:20am-10:00am	Plenary Speaker 3 Barry Halliwell (RB26) National University of Singapore, Singapore <i>Adventures with ergothioneine</i>	Conway C2
10.00am-10.30am	Morning Tea	Exhibition Area
Session 9 Chaired by Liz Ledgerwood (University of Otago, New Zealand)		
10.30am-11.00am	Bruce Morgan (RB27) Saarland University, Germany <i>Hetero-oligomerisation: a new paradigm in peroxiredoxin biology</i>	Conway C2
11.00am-11.30am	Clare Hawkins (RB28) University of Copenhagen, Denmark <i>HOCl-mediated histone modification in NETs: chemical signatures and functional consequences</i>	
11.30am-11.45am	Dinushka Wickramasinghe (RB29) * Griffith University, Australia <i>Mild unconjugated hyperbilirubinemia attenuates hepatic injury during therapeutic dosing of paracetamol: A preliminary study</i>	

11.45am-12.15pm	Paul Witting (RB30) University of Sydney, Australia <i>Evaluating the role for neutrophil extracellular traps (NETs) in the pathogenesis of disease</i>	Conway C2
12.15pm-12.30pm	Milna Chennath (RB31) * University of Sydney, Australia <i>Defining the significance of myeloperoxidase and neutrophil extracellular traps in post-MI heart failure</i>	
12.30pm-1.30pm	Lunch	Exhibition Area
1.15pm-1.30pm	International Human Peroxidase Meeting Discussion	Conway C2
Session 10 Chaired by Christoph Göbl (University of Otago Christchurch, New Zealand)		
1.30pm-2.10pm	Plenary Speaker 4 Elias Arnér (RB32) Karolinska Institute, Sweden <i>Mammalian PRDX2 - why is it not a selenoprotein?</i>	Conway C2
2.10pm-2.25pm	Miu Sato (RB33) * Tohoku University Graduate School of Medicine, Japan <i>Compensation for impaired sensing of selenoprotein deficiency by alternative cysteine residues in KEAP1</i>	
2.25pm-2.40pm	Sitara Shameem (RB34) * Griffith University, Gold Coast, Australia <i>Inducible hyperbilirubinemia in UGT1A1fl/fl:Cre-ERT2+/+ mice modulates antioxidant capacity and mitochondrial bioenergetics in heart and liver</i>	
2.40pm-2.50pm	Best Student Speaker Voting	
3.00pm-3.30pm	Afternoon Break	Exhibition Area
Session 11 Chaired by Annika Seddon (University of Otago Christchurch, New Zealand)		
3.30pm-3.50pm	Markus Dagnell (RB35) Karolinska Institute, Sweden <i>Control of growth factor signaling through redox regulation of protein tyrosine phosphatase activity</i>	Conway C2
3.50pm-4.10pm	Sally McCormick (RB36) University of Otago, New Zealand <i>Ribose-cysteine increases glutathione levels in mouse models and humans</i>	
4.10pm-4.25pm	Martin Mollenhauer (RB37) University of Cologne, Germany <i>Comparative analysis of myeloperoxidase deficiency in humans and mice: conserved and species-specific effects on neutrophil biology</i>	
4.25pm-4.45pm	Judy de Haan (RB38) Baker Heart Institute, Australia <i>Targeting redox and innate immune pathways to reduce cardiovascular complications</i>	
4.45pm-5:00pm	Prize giving & Closing remarks	

* Student talks