Redox Biology Satellite -
The Society for Redox Research Australasia &
13th International Human Peroxidase Joint 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

Wednesday 2 September (University of Otago Christchurch)

Time	Details	Location (UOC)
8:15am-8:50am	Registration	Rolleston Foyer
8:50am-9:10am	**Nina Dickerhof and Mark Hampton** Welcome & opening remarks	Rolleston Lecture Theatre
Session 1 **Chaired by Mark Hampton (University of Otago Christchurch, New Zealand)**		
9:10am-9:40am	**Michael Davies (RB1)** University of Copenhagen, Denmark *Myeloperoxidase and protein modification in cardiovascular disease*	Rolleston Lecture Theatre
9:40am-10:00am	**Roland Stocker (RB2)** University of Sydney, Australia *Development and validation of an activatable PET radiotracer reporting extracellular myeloperoxidase activity for the detection of unstable atherosclerotic plaque*	
10:00am-10:15am	**Martins Obinna Ogugofor (RB3)** University of Canterbury, New Zealand *Oxidised low-density lipoprotein is not inflammatory in human peripheral blood mononuclear cells and atherosclerotic artery plaques*	
10:15am-10:30am	**Dhilan Sharma (RB4)** University of Sydney, Australia *Role of urate in promoting endothelial dysfunction: an early event in the development of vascular disease*	
10:30am-11:00am	**Morning Tea**	Rolleston Foyer
Session 2 **Chaired by Jereme Spiers (Australian National University, Australia)**		
11:00am-11:30pm	**Miklós Geiszt (RB5)** Semmelweis University, Hungary *Lactoperoxidase: functions beyond mucosal host defense*	Rolleston Lecture Theatre
11:20am-11:40am	**Martina Paumann-Page (RB6)** University of Otago Christchurch, New Zealand *Peroxidasin promotes an invasive melanoma phenotype and is targetable by pharmacological inhibition*	
11:40am-12:00am	**Alexander Kostyuk (RB7)** Russian Academy of Sciences, Russia *Hypocrates2 allows the study of (pseudo)hypohalous acids production by neutrophils in cellular models and in vivo*	
12:00pm-12:15pm	**Viktoriia Chebanenko (RB8)**	

	Russian Academy of Sciences, Russia *Comparative study of the subcellular dynamics of oxidative stress induced by (pseudo)hypohalous acids*	
12:15pm-12:30pm	**Sydney Austad (RB9)** University of Canterbury, New Zealand *Caspase oxidation by hypothiocyanous acid triggers formation of amyloid-like aggregates that influence cell death outcomes*	
12:30pm-1:30pm	**Lunch**	Rolleston Foyer
<u>Session 3</u> Chaired by Christine Winterboun (University of Otago Christchurch)		
1.30pm-2.50pm	**Session celebrating career of Professor Tony Kettle** Mark Hampton, Mike Davies, Bob Anderson, Roland Stocker, Richard Gearry, Lisa Stamp, Teagan Edwards, Christine Winterbourn	Rolleston Lecture Theatre
2:50pm-3:30pm	**Plenary Speaker 1** **Tony Kettle (RB10)** University of Otago Christchurch *Novel metabolites and biomarkers of thiocyanate oxidation by human neutrophils*	Rolleston Lecture Theatre

Wednesday 2 September (Te Pae Convention Centre)

<u>QRW Plenary Lecture and Evening Social Function</u>		
Time	**Details**	**Location (Te Pae)**
3.30pm onwards	Registration at Te Pae Christchurch Convention Centre	Main reception
4.45pm	Audience takes seats	Conway Rooms
5.00pm-5.10pm	**Introduction**	
5.10pm-6.00pm	**QRW Plenary Lecture** *sponsored by Decode Science* **Sir Graham Le Gros** *Harnessing the power of the immune system using basic science and cutting-edge technologies*	
6.00pm-8.00pm	**Evening Social Function** *sponsored by Thermo Fisher Scientific*	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 *Redox proteomic approaches to reveal the functional cysteine proteome during cell stress*	TBA
9.10am-9.30am	**Takafumi Suzuki (RB12)** Tohoku Univ. Graduate School of Medicine, Japan *Lack of an NRF2-mediated compensatory mechanism in the testis in response to selenoprotein deficiency*	
9.30am-10.00am	**Liz Ledgerwood (RB13)** University of Otago, New Zealand	

	Exploring the relationship between peroxiredoxin oligomeric state and function	
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 *Where metabolism and virulence meet: Acetate production promotes immunomodulation in Haemophilus influenzae*	TBA
11.00am-11:20am	**Dmitry Bilan (RB15)** Russian Academy of Sciences, Russia *Redox biosensors based on bacterial proteins for in vivo research*	
11:20am-11:40pm	**Therese Featherston (RB16)** Babraham Institute, UK *Redox regulation of CD45 in immunity*	
11:40pm-11:55pm	**Sarah du Toit (RB17)** University of Otago Christchurch, New Zealand *Insights into the mechanism of glutathione import by Streptococcus pneumoniae*	
11:55pm-12.25pm	**Greg Cook (RB18)** University of Otago, New Zealand *Exploiting hidden redox vulnerabilities in drug-resistant tuberculosis*	
12.30pm-1.30pm	**Lunch**	Exhibition Area
12.40pm-1.30pm	**SFRRA AGM**	TBA
Session 6 **Chaired by Belal Chami (University of Sydney, Australia)**		
1.40pm-2.10pm	**Joshua Chandler (RB19)** Emory University, USA *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*	TBA
2.10pm-2.30pm	**Steven Gieseg (RB20)** University of Canterbury, New Zealand *Control of the synthesis of the macrophage antioxidant 7,8-dihydroneopterin*	
2.30pm-3.00pm	**Margreet Vissers (RB21)** University of Otago Christchurch *The ascorbate dependency of DNA and histone demethylases: a complex interplay between redox regulation and epigenetics*	
3.00pm-3.30pm	**Afternoon Break**	Exhibition Area
Session 7: ECR session *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	

	Differential expression of oxidoreductases linked to microglia in Alzheimer's Disease	TBA
3.45pm-4.00pm	**Varnika Khattar (RB23)** The Australian National University, Australia *miR146a constrains nitric oxide mediated neuroinflammation*	
4.00pm-4.15pm	**Jonas Benjamim (RB24)** Deakin University, Australia *Effects of resistance training intensity on salivary nitric oxide metabolites in postmenopausal women*	
4.15pm-4.30pm	**Samuel Hansen (RB25)** University of Technology Sydney, Australia *Evaluating oxidative stress responses to Zn-Cu-Li alloys and titanium oxide coating for cardiovascular stents within the vascular environment*	
4.30pm-5.30pm	**Poster Pitches** *Details TBA*	TBA
Poster Session		
5.30pm-7.30pm	**Poster Session & Social Mixer** *Social mixer sponsored by Lab Supply*	Exhibition Area
7.30pm-late	**Conference Dinner**	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 *Adventures with ergothioneine*	TBA
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 *Hetero-oligomerisation: a new paradigm in peroxiredoxin biology*	TBA
11.00am-11.30am	**Clare Hawkins (RB28)** University of Copenhagen, Denmark *HOCl-mediated histone modification in NETs: chemical signatures and functional consequences*	
11.30am-11.45am	**Helen Hemmling (RB29)** University of Copenhagen, Denmark *Hypochlorous acid-mediated modification diminishes the ability of histones to kill bacteria*	
11.45am-12.15am	**Paul Witting (RB30)** University of Sydney, Australia	

	Evaluating the role for neutrophil extracellular traps (NETs) in the pathogenesis of disease	
12.15am-12.30pm	**Milna Chennath (RB31)** University of Sydney, Australia *Defining the significance of myeloperoxidase and neutrophil extracellular traps in post-MI heart failure*	
12.30pm-1.30pm	**Lunch**	Exhibition Area
1.15pm-1.30pm	**International Human Peroxidase Meeting Discussion**	TBA
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 *Mammalian PRDX2 - why is it not a selenoprotein?*	TBA
2.10pm-2.25pm	**Miu Sato (RB33)** Tohoku University Graduate School of Medicine, Japan *Compensation for impaired sensing of selenoprotein deficiency by alternative cysteine residues in KEAP1*	
2.25pm-2.40pm	**Sitara Shameem (RB34)** Griffith University, Gold Coast, Australia *Inducible hyperbilirubinemia in UGT1A1fl/fl:Cre-ERT2+/+ mice modulates antioxidant capacity and mitochondrial bioenergetics in heart and liver*	
2.40pm-3.00pm	**Markus Dagnell (RB35)** Karolinska Institute, Sweden *Control of growth factor signaling through redox regulation of protein tyrosine phosphatase activity*	
3.00pm-3.30pm	**Afternoon Break**	Exhibition Area
Session 11 **Chaired by Annika Seddon (University of Otago Christchurch, New Zealand)**		
3.30pm-3.45pm	**Dinushka Wickramasinghege (RB36)** Griffith University, Australia *Mild unconjugated hyperbilirubinemia attenuates hepatic injury during therapeutic dosing of paracetamol: A preliminary study*	TBA
3.45pm-4.00pm	**Carl Soltau (RB37)** Queensland University of Technology, Australia *Molecular hybridisation of corticosteroids and nitroxides: A therapeutic platform for multifunctional agents with tuneable redox bioactivity*	
4.00pm-4.20pm	**Sally McCormick (RB38)** University of Otago, New Zealand *Ribose-cysteine increases glutathione levels in mouse models and humans*	
4.20pm-4.40pm	**Judy de Haan (RB39)** Baker Heart Institute, Australia *Targeting redox and innate immune pathways to reduce cardiovascular complications*	
4.40pm-5:00pm	**Prize giving & Closing remarks**	TBA