

# **Conference Timetable**



Tuesday, 22. November 2005	17:00	<b>Registrations and Welcome Mixer (Venue: University Link)</b>	
	18:00	<b>Welcome Address:</b> Prof. David Skegg, Vice Chancellor, Otago University	
	Castle A	Dr. Susan Turner, Dr. Sigurd Wilbanks, Assoc. Prof. Greg Cook	
	18:30	<b>Plenary Lecture 01:</b> (Chair: Prof. John Tagg) Prof. Joseph Ferretti, Oklahoma, USA	
Castle A	<i>The Streptococcus genome era</i>		
19:30	<b>Free Evening</b>		

Wednesday, 23. November 2005	09:00	<b>Plenary Lecture 02:</b> (Chair: Assoc. Prof. Greg Cook) Prof. Robert Poole, Sheffield University, Sheffield, UK		
	Castle A	<i>Life with Little Ligands - the Microbiology of Nitric Oxide and Oxygen</i>		
	10:00	<b>Morning Tea</b>		
		<b>Session 1 (Castle A):</b> Membrane Proteins  <i>Chair: Greg Cook</i>	<b>Session 2 (Castle B):</b> Public Health Microbiology  <i>Chair: Sandy Smith</i>	<b>Session 3 (Archway 2):</b> Plant Microbiology  <i>Chair: Kim Plummer</i>
	10:30	<b>S01.1: Brian Monk</b> Identifying Novel Aspects of ABC Transporter Structure and Function Using Surface-active Chemosensitisers	<b>S02.1: Jim Smith</b> Indoor Fungal Bioaerosols in the USA and Australia: Issues, Methods and Limits	<b>S03.1: Chris Schardl</b> Mutualistic pathogens-Epichloë endophytes of grasses
	10:45	<b>S01.2: Iain Lamont</b> Siderophore-specific Signalling and Regulation of Iron Transport in <i>Pseudomonas aeruginosa</i>		
	11:00	<b>S01.3: Erwin Lamping</b> A Novel, Versatile and Highly Efficient Heterologous Membrane Protein Over-Expression System	<b>S02.2: Nigel French</b> The Risk of Campylobacteriosis from Children's Play Areas: A Molecular Epidemiological Study	<b>S03.2: John Young</b> Presence and Distribution of Rhizobia in Pristine Soils and Rhizosphere Soils of Native and Introduced Legumes
	11:15	<b>S01.4: Ann Holmes</b> Allelic Variation in Fungal Drug Pumps	<b>S02.3: Louise Gaitanos</b> Improving the Detection of Under-Diagnosed Sexually Transmitted Infections Using a Novel Panel of Real-Time PCR Assays	<b>S03.3: Jan Schmid</b> Expression of a Pathogenesis-Related Protein (PR-10) is Part of the Functional Mutualistic Symbiosis between <i>Lolium perenne</i> and <i>Neotyphodium lolii</i>
	11:30	<b>S01.5: Scott Ferguson</b> Biochemical and Molecular Characterisation of the F <sub>1</sub> F <sub>0</sub> -ATP synthase from the Thermoalkaliphilic Bacterium, <i>Clostridium paradoxum</i>	<b>S02.4: Heather Brooks</b> Comparison of <i>Campylobacter jejuni</i> PFGE and Penner Subtypes in Human Infections and in Water Samples from the Taieri River Catchment of New Zealand	<b>S03.4: Joel Vanneste</b> Detection of <i>Erwinia amylovora</i> , the Fire Blight Pathogen by Polymerase Chain Reaction (PCR) in Symptomless Parts of Inoculated Plants
	11:45	<b>S01.6: James Dunlop</b> Single Channel and Macroscopic Currents for BK and Voltage-Gated Sodium Channels Supported on and Stored in a Novel System	<b>S02.5: Shrawan Bhandari</b> Prevalence and Diversity of <i>Arcobacter</i> Species in Poultry in New Zealand	<b>S03.5: Harvey Smith</b> (Title to be announced)
	12:00	<b>Lunch, Poster Previews and SIG Meetings (Kindly Sponsored by: Otago Innovation Ltd.)</b>		

Wednesday, 23. November 2005

	<p><b><u>Session 4 (Castle A):</u></b> Microbial Physiology  <b>Chair: Hugh Morgan</b></p>	<p><b><u>Session 5 (Castle B):</u></b> NZSBMB Student Speakers  <b>Chair: Jasna Rakonjac</b></p>	<p><b><u>Session 6 (Archway 2):</u></b> Plant Virology  <b>Chair: Paul Guy</b></p>
13:30	<p><b>S04.1: Tamsin Pointon</b> Enhancing the Desiccation and Osmotic Stress Tolerance of <i>Serratia entomophila</i> Using Glycine Betaine</p>	<p><b>S05.1: Shona Pryor</b> Strain-Typing of <i>Streptococcus uberis</i> Isolates from the Environment and Body Sites of the Dairy Cow</p>	<p><b>S06.1: Elaine Chan</b> Progress in Characterising PKR, a Plant-Encoded and Double-Stranded RNA-Activated Protein Kinase</p>
13:45	<p><b>S04.2: Annalee O'Rourke</b> The Bacteriocin Zoocin A is Catabolite Regulated</p>	<p><b>S05.2: Sanjay Saikia</b> Four Gene Products are Required for the Fungal Synthesis of the Indole-DiterpePaspaline</p>	<p><b>S06.2: Catia Delmiglio</b> Incidence of Cereal and Pasture Viruses in Native Grasses of New Zealand's North Island</p>
14:00	<p><b>S04.3: Helen McIntyre</b> Trehalose Biosynthesis in <i>Rhizobium leguminosarum</i> bv. <i>Trifolii</i></p>	<p><b>S05.3: Amy Dear</b> Acquired Dysfibrinogenaemia Caused by Binding of a Bence Jones Protein to Fibrinogen</p>	<p><b>S06.3: Scott Harper</b> Molecular characterisation of isolates of <i>Citrus tristeza virus</i> that overcome the resistance of <i>Poncirus trifoliata</i> (L.) Raf</p>
14:15	<p><b>S04.4: Tim Carlton</b> The Ferrichrome Uptake System of <i>Mesorhizobium</i> sp. R88B, a Multi-Locus Construction</p>	<p><b>S05.4: Miriam Sharpe</b> The Structure and Function of HRPI: an Investigation into the Molecular Basis of Latency in <i>Mycobacterium tuberculosis</i></p>	<p><b>S06.4: Michael Pearson</b> Botrytis virus X: characterisation and detection of a novel potex-like virus from the plant pathogenic fungus <i>Botrytis cinerea</i></p>
14:30	<p><b>S04.5: Darren Smalley</b> The Role of Membrane Composition in the Survival of <i>Serratia entomophila</i></p>	<p><b>S05.5: Zazali Alias</b> Responses of the Glutathione S-Transferase Proteome of <i>Drosophila melanogaster</i> to Developmental Change and to Oxidative Stress and Insecticide Challenge</p>	<p><b>S06.5: Ting Wei</b> Development of a Microarray for <i>Potyvirus</i> Detection and Identification</p>
14:45	<p><b>S04.6: Susanne Gebhard</b> Pst and Phn are Both Functional High-Affinity Phosphate Transport Systems of <i>Mycobacterium smegmatis</i></p>	<p><b>S05.6: Fiona Bentley</b> Investigation of the Protein Interactions at the Monomer-Monomer Interface of Photosystem II</p>	<p><b>S06.6: Robin MacDiarmid</b> Using Virus Proteins as a Discovery Tool for Plant Developmental Processes</p>
15:00	<b>Afternoon Tea</b>		
	<p><b><u>Session 7 (Castle A):</u></b> Immunology I  <b>Chair: Joanna Kirman</b></p>	<p><b><u>Session 8 (Castle B):</u></b> Proteins I  <b>Chair: Sigurd Wilbanks</b></p>	<p><b><u>Session 9 (Archway 2):</u></b> Molecular Microbiology  <b>Chair: Iain Lamont</b></p>
15:30	<p><b>S07.1: Diana Martin</b> Specificity of antibody recognition following immunisation with MeNZB<sup>TM</sup> vaccine</p>	<p><b>S08.1: John Bergeron</b> Title to be announced</p>	<p><b>S09.1: Franz Pichler</b> A Design Strategy for Development of Full Genome Bacterial Arrays</p>
15:45	<p><b>S07.2: N. van Panhuys</b> Dissecting the Molecular Pathway Behind Infectious Immunity to <i>N.brasiliensis</i></p>		<p><b>S09.2: Jasna Rakonjac</b> Functional Genomics of <i>Lactobacillus rhamnosus</i> Secretome – a Phage Display Approach</p>
16:00	<p><b>S07.3: Matthew Peacey</b> Virus-like Particles as a customisable molecular scaffold</p>	<p><b>S08.2: Brian Chait</b> Proteomic &amp; Genomic Characterization of Chromatin Complexes</p>	<p><b>S09.3: Timothy Goodwin</b> Zorro3 in <i>Candida albicans</i>, a Microbial Model of Retrotransposition</p>

Wednesday, 23. November 2005	16:15	<b>S07.4: Stephen Fleming</b> Immune Evasion Strategies of the Parapoxvirus Orf Virus		<b>S09.4: Nicholas Heng</b> The Large Antimicrobial Proteins (Bacteriocins) of Streptococci
	16:30	<b>S07.5: Philippa MacKay</b> Soluble Major Histocompatibility Complexes in Blood are not Exosome-Associated	<b>S08.3: Andrew Mercer</b> Presence of an F-Box-Like Domain is a Feature of Poxvirus Ankyrin Repeat Proteins and Suggests this Family of Proteins has a Role in Ubiquitin-Mediated Proteolysis	<b>S09.5: Silas Villas-Boas</b> Characterizing Transposon-Insertion Mutants of <i>Clostridium proteoclasticum</i> B316 via Extracellular Metabolomics
	16:45	<b>S07.6: Alex McLellan</b> Lymphatic tracing of vaccine and T cell responses following oral vaccination with <i>Mycobacterium bovis</i> (BCG)	<b>S08.4: Min Mo</b> <i>Orf</i> Virus RING-H2 Protein: Similarities to APC11 Suggest a Role in Cell Cycle Control	<b>S09.6: Andree Hubber</b> Symbiotic phenotypes and Translocated Effector Proteins of the <i>Mesorhizobium loti</i> Strain R7A VirB/D4 Type IV Secretion System
	17:00	<b>Applied Biosystems/NZSBMB Award Lecture:</b> (Chair: Dr. Sigurd Wilbanks, President NZSBMB) Prof. Barry Scott, Massey University, Palmerston North		
	Castle A	<i>Symbiotic synthesis of bioprotective metabolites by the mutualistic fungal endophyte Epichloë festucae</i>		
	18:00	<b>Society AGM</b>		
19:00	<b>Public Lecture: Prof. Robert Webster (Venue: Saint David Street Lecture Theatre)</b>			

Thursday, 24. November 2005	09:00	<b>Plenary Lecture 03:</b> (Chair: Prof. Clive Ronson) Prof. Stephen Giovannoni, Oregon State University, Oregon, USA		
	Castle A	<i>Genome Streamlining in Cosmopolitan Oceanic Bacteria</i>		
	10:00	<b>Morning Tea</b>		
		<b>Session 10 (Castle A):</b> Applied Microbiology  <b>Chair: Chris Sissons</b>	<b>Session 11 (Castle B):</b> Biocontrol  <b>Chair: Ralph Jack</b>	<b>Session 12 (Archway 2):</b> Proteins II  <b>Chair: John Cutfield</b>
	10:30	<b>S10.1: Peter Gilbert</b> The Enigma of Biofilm Resistance	<b>S11.1: Vivienne Young</b> Analysis of Viral Pathogens for Control of the Painted Apple Moth ( <i>Teia anartoides</i> )	<b>S12.1: Hays Rye</b> One Step Back, Two steps Forward: Unfolding, Compaction and Release of Substrate Proteins by GroEL
	10:45		<b>S11.2: Anthony Robertson</b> An Alternative Strategy for Eradicating <i>Helicobacter pylori</i> from its Habitat in the Stomach	
	11:00	<b>S10.2: Daniel Power</b> Use of a Paediatric Formulation of <i>Streptococcus salivarius</i> K12 to Colonise the Oropharynx and Nasopharynx of Infants	<b>S11.3: Phil Bremer</b> Exploring the Interactions Between Bacteriophages and Bacteria within Biofilms	<b>S12.2: Vernon Ward</b> Analysis of an Exochitinase from the Baculovirus EppoMNPV
11:15	<b>S10.3: Graham Fletcher</b> Determining High Pressure Processing Inactivation of <i>Listeria monocytogenes</i> Associated with Greenshell™ Mussels	<b>S11.4: Mark Hurst</b> Induced Expression of the <i>Serratia entomophila</i> Sep Proteins Show Activity Against the Larvae of the New Zealand Grass Grub <i>Costelytra zealandica</i>	<b>S12.3: Matthew Templeton</b> Structural Basis for Rodlet Assembly in Fungal Hydrophobins	

Thursday, 24. November 2005

11:30	<b>S10.4: Mark Ritchie</b> Matrix-Assisted Laser Desorption/Ionisation-Time of Flight Mass Spectrometry: A Rapid Method For Bacterial Identification From Water Samples	<b>S11.5: Robin Simmonds</b> Targeting of Zoocin A to Streptococci	<b>S12.4: Sigurd Wilbanks</b> Structure of a Ribosome-Bound Chaperone: Position of Trigger Factor Relative to Nascent Polypeptides and the Signal Recognition Particle
11:45	<b>S10.5: A. Kesarcodi-Watson</b> A Highly Reproducible <i>in vivo</i> Screening Assay for Direct Recognition of Probiotic Bacteria in Greenshell™ Mussel Larvae	<b>S11.6: Ruth Wirawan</b> The Bacteriocins Produced by <i>Streptococcus uberis</i>	<b>S12.5: To Be Announced</b>
12:00	<b>Lunch, Poster Previews and SIG Meetings</b>		
	<b><u>Special Issues Session</u></b>  <i>Chair: Judith Bateup &amp; Richard Cannon</i>		<b>POSTER SESSION</b>
13:30	<b>Issues.1: Christine Fenton</b> The State of Microbiology Education in NZ High Schools – A Collective Responsibility?		
13:45	<b>Issues.2: Geoff Ridley</b> Of Men, Microbes and the HSNO Act		
15:00	<b>Afternoon Tea</b>		
	<b><u>Session 13 (Castle A):</u></b> Virology  <i>Chair: Vernon Ward</i>	<b><u>Session 14 (Castle B):</u></b> Molecular Genetics  <i>Chair: Peter Dearden</i>	<b><u>Session 15 (Archway 2):</u></b> Marine & Terrestrial  <i>Chair: Phil Bremer</i>
15:30	<b>S13.1: Alex Hyatt</b> Emerging Infectious Disease: Suggested Drivers for Disease Emergence	<b>S14.1: Rob Saint</b> Rho Family GTPase Signalling and Cell Behaviour During Drosophila Development	<b>S15.1: Peter Janssen</b> Culturing Soil Bacteria
16:00	<b>S13.2: Richard Webby</b> Contemporary H5N1 Influenza Viruses Inhibit IFN-alpha Production from Human Plasmacytoid Dendritic Cells	<b>S14.2: Annika Bokor</b> The <i>Cryptococcus neoformans</i> Intein is Active and Splices in <i>E.coli</i>	<b>S15.2: Els Maas</b> Isolation and Identification of Marine Bacteria from Deep-Sea Sediments
16:15	<b>S13.3: Nigel McMillan</b> New Treatments for Viral Cancers: Lentivirus Delivered RNA Interference Results in Increased Chemo-Sensitivity and Complete Elimination of Cervical Cancer Tumours	<b>S14.3: Julie Weaver</b> Adaptive Mutation in Mesorhizobia Dependent on an Acquired <i>hipAB</i> Locus	<b>S15.3: Jacqui Horswell</b> Survival of Microbiological Contaminants After Land Application of Sewage Sludge
16:30	<b>S13.4: Joanna Kirman</b> Distinct Patterns of Evolution Between Respiratory Syncytial Virus Subgroups A and B from New Zealand Isolates Collected Over Thirty-Seven Years	<b>S14.4: Barry Palmer</b> The Aldosterone Synthase Gene (CYP11B2) C-344T Polymorphism is Associated with Brain Natriuretic Peptide Level and Survival in a Post-Myocardial Infarction Cohort	<b>S15.4: R. McDougal</b> Bacterial Ecology of DDT Residue-Contaminated Environments in New Zealand
16:45	<b>S13.5: Lance Jennings</b> Rapid Influenza Testing	<b>S14.5: Philippa Barrell</b> <i>nrm2</i> , a Maize Mutant Defective in Cytokinesis during Meiosis	<b>S15.5: Adrian Hetzer</b> Cadmium Biosorption onto Two Thermophilic Bacteria

Thursday, 24. November 2005	17:00	<b><u>NZMS Orator:</u></b> Prof. John Tagg, Otago University, Dunedin  <b>Castle A</b> <i>A Passion for Streptococci</i>	(Chair: Dr. Susan Turner, President NZMS)
	18:00	<b>Free Time</b>	
	19:00	<b>Conference Dinner, Dunedin Town Hall</b>	

Friday, 25. November 2005	09:00	<b><u>Plenary Lecture 04:</u></b> Prof. Robert Webster, St. Judes Hospital, Memphis, USA  <b>Castle A</b> <i>Avian Influenza – H5N1: An Emerging Pathogen</i>		(Chair: Dr. Lance Jennings)	
	10:00	<b>Brunch (Kindly Sponsored by: In Vitro)</b>			
		<b><u>Session 16 (Castle A):</u></b> Fungi  <i>Chair: Russell Poulter</i>	<b><u>Session 17 (Castle B):</u></b> Immunology II  <i>Chair: Glenn Buchan</i>	<b><u>Session 18 (Archway 2):</u></b> Cell Stress  <i>Chair: Liz Ledgerwood</i>	
	10:30	<b>S16.1: Frank Odds</b> <i>Candida</i> Infections: The Impact of Strain Typing Methodology on Virulence Studies	<b>S17.1: Ken Beagley</b> Novel Vaccine Approaches to Target Genital Tract Chlamydial Infections	<b>S18.1: Phil Board</b> New Members of the Glutathione Transferase Structural Family with Novel Functions	
	11:00	<b>S16.2: Jan Schmid</b> <i>Candida albicans</i> ORF 19.6877 is a Hypermutable Gene	<b>S17.2: JoAnne Flynn</b> TNF and Tuberculosis	<b>S18.2: Steven Giese</b> The Apoptosis/Necrosis Axis May Be Determined by Thiol Response in Monocyte-Like Cell Lines	
	11:15	<b>S16.3: Richard Cannon</b> Preventing Oral Colonisation by <i>Candida albicans</i>		<b>S18.3: Vicky Webb</b> Fermentation of a Marine Bacterium for the Production of Cytotoxic Compounds	
	11:30	<b>S16.4: Colin Tan</b> Why Fungi Have Sex?	<b>S17.3: John Fraser</b> The Staphylococcal Superantigen and Superantigen-Like Toxins - a Family of Toxins that Target both Adaptive and Innate Immunity	<b>S18.4: Dana Westphal</b> Characterisation of a Novel Inhibitor of Apoptosis Expressed by orf Virus	
	11:45	<b>S16.5: Matthew Templeton</b> Genomic Factors from the Apple Black Spot Pathogen <i>Venturia inaequalis</i>		<b>S18.5: Penny Truman</b> Components of Cigarette Smoke - Effects on Nicotinic Acetylcholine Receptors	
	12:00	<b>Conference Closing</b>			
	12:30	<b>Departure of Participants</b>			