



DR JOHN MERLINO

PhD (Medicine) Uni Syd, M.Sc (Hons), BSc, FASM, FFSc (RCPA)

**Adjunct Senior Lecturer School of Medical Sciences, Faculty of Medicine and Health Sciences, University of Sydney.
Department of Infectious Diseases and Immunology, Charles Perkins Institute, Sydney, Australia.**

Principal Scientist NSW Health Pathology, NSW Health Department

Concord Repatriation General Hospital – University of Sydney

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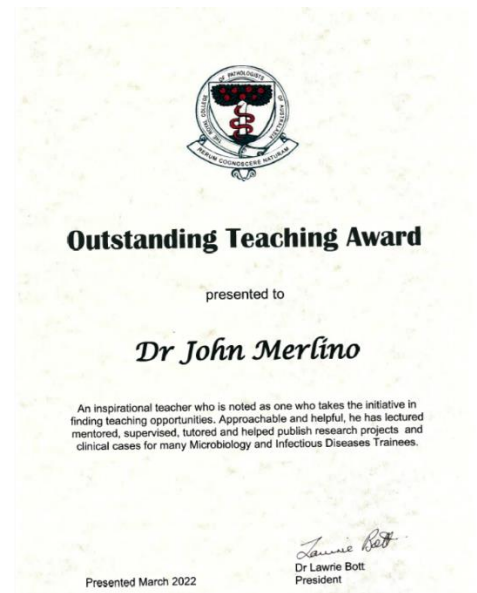
NSW Health Pathology. NSW Health State Government

Honorary Clinical Associate.

Clinical Associate Central Clinical School Department of Infectious Diseases and Immunology.

Awards and Acknowledgements in Research and Teaching

- **Outstanding Teaching Award 2022 The Royal Australian College of Pathologists Australasia (RCPA)** presented by Dr Lawrie Bott RCPA President, nominated by College Trainee Committee and the subsequent approval of the Board of Directors of the College. For lecturing, mentoring, supervising, tutoring, and help publishing research/clinical cases for many Microbiology and Infectious Diseases Trainees.
- **Inclusion in Who's Who in Science and Engineering Encyclopaedia**, 10th Anniversary Edition 2008-2022, USA. Microbiologist and Educator.
- **Recognition of outstanding career achievements in the field of identification of bacterial resistance to antimicrobials in a clinical setting. Australian Society for Microbiology Award. 2017.** Awarded by Prof. Roy Robins-Browne AM, ASM President Annual Scientific Meeting Hobart Tasmania.
- **Australian Society for Microbiology – Media Award 2010** — Maldi-Tof and Development of New Rapid Methods in Clinical Microbiology. Presented by Prof. Hatch Stokes ASM President – ASM Annual Scientific Meeting – Darling Harbour Sydney.
- **Awarded the Daphne Goulston Scholarship 2002** in Infectious Diseases and Immunology. Research in the Department of Infectious Diseases and Concord Hospital in detecting Methicillin resistant MRSA under A/Prof. Colin Harbour and Dr Ross Bradbury. Awarded by the Faculty of Medicine and Health. The University of Sydney.
- **Rapid Diagnostics - Murex Award. 1998. National Branch of the Australian Society for Microbiology.** For excellence in the Development and Application of Diagnostics for Medical Microbiology. Awarded in Tasmania at the Annual Scientific Meeting of the ASM by Sir Guy Green Governor of Tasmania and A/Prof. Finlay-Jones ASM President.
- **Joe Levey Graduate Award 1997.** Awarded by the NSW Committee and Dr. S. Shanker - President of the **NSW Australian Society for Microbiology Branch.**
- **Investigator Research Award 1996:** Concord Repatriation General Hospital & the University of Sydney. Awarded by the **ANZAC Health and Medical Research Foundation.**
- **Highest Top Aggregate 1993.** New Developments in Microscopy and Photomicrography. School of Biological Sciences. Macquarie University. Awarded by Senior Lecturer Ron Oldfield.
- **Medal – Equal Top Aggregate – Medical Microbiology 1983.** School of Biological Sciences. Sydney Institute of Technology.
- **Immunology 1983. Best Essay.** School of Biological Sciences. Sydney Institute of Technology. Title: The value of detecting IgM antibodies in the primary response to bacterial infections. Prize awarded by Dr. Peter Robertson. Chief Serologists Prince of Wales Hospital. Sydney.



Founding Fellow of the Faculty of Science RCPA 2011. Royal College of Pathologists Australasia (RCPA). Awarded by A/Prof. Paul Mackenzie RCPA President and Board of Directors. Prof. Konrad Muller Outstanding Teaching Award 2021. The Royal Australian College of Pathologists Australasia (RCPA) presented by Dr Lawrie Bott RCPA President, nominated by College Medical Trainee Committee and the subsequent approval of the Board of Directors of the College

Outstanding Teaching Award 2022 The Royal Australian College of Pathologists Australasia (RCPA) presented by Dr Lawrie Bott RCPA President, nominated by College Trainee Committee and the subsequent approval of the Board of Directors of the College. For lecturing, mentoring, supervising, tutoring, and help publishing research/clinical cases for many Microbiology and Infectious Diseases Trainees.

Educations:

- **Fellow of the Faculty of Science (FFSc)** – Royal Australasian College of Pathologists Australasia.
A/Prof. Paul Mackenzie RCPA President. Clinical Microbiology and Infectious Diseases.
- **Fellow of the Australian Society for Microbiology (FASM)** – Medical Microbiology -Antimicrobials.
National Examination Board, Australian Society for Microbiology. Awarded by Professor Peter Coloe and Professor Geoffrey Coombs.
- **Doctor of Philosophy in Medicine (Ph.D) Infectious Diseases and Immunology.** Central Clinical School University of Sydney, School of Medicine and Health.
Detection of Multidrug and Non- Multidrug Resistance MRSA in the Central Sydney Area.
Supervisors: Prof. Colin Harbour Head Infectious Diseases and Dr. Ross Bradbury (Director Microbiology and Infectious Diseases Concord Hospital).
Examiners: Prof. Peter Collignon, University of Canberra, Prof. Sydney Bell Uni NSW/POW/ St George Hospital, and Prof. Curtis Gemmell Scottish MRSA Reference Laboratory, Royal Infirmary, University of Glasgow, UK...
- **Master of Science with First Class Honours, Discipline Microbiology and Biotechnology.**
Research: New developments and new technologies in detecting Vancomycin Resistant Enterococci (VRE).
Macquarie University. School of Biological Sciences.
Supervisor: Prof. Duncan Veal
Examiners: Prof. Lynne Gilbert Uni Syd/Westmead Hospital and Prof. Manafi, Hygiene Institute, University of Vienna.
- **Bachelor of Science. Microbiology and Biotechnology.** Macquarie University. School of Biological Sciences.
- **Pathology Higher Certificate. Medical Microbiology and Immunology.** TAFE. Sydney.
- **Higher School Certificate.** Christian Brothers High School Lewisham, NSW, Sydney, Australia.
- **School Certificate.** Christian Brothers Technical Primary School, Balmain, Sydney, Australia

Peer Reviewed Publications:

• Books:

- **Antimicrobial Susceptibility Testing: Methods and Practices with an Australian Perspective.** 2004. ABN ISBN 0-9581565. ASM Press Australia. **Editor in Chief Dr John Merlino**, University of Sydney, Concord Hospital.

Chapters Published:

Merlino J. Antimicrobial Susceptibility: Concepts, Definitions and Practices. In:

Antimicrobial Susceptibility Testing: Methods and Practices with an Australian Perspective. 2004. ASM Press. Australia. ISBN 0-9581565-1-4. Pages: 11-22.

Merlino J. Gram-positive Bacteria - Resistance and Multidrug resistance. In:

Antimicrobial Susceptibility Testing: Methods and Practices with an Australian Perspective. 2004. ASM Press. Australia. ISBN 0-9581565-1-4. Pages:65-126.

Merlino J. Chemical Disinfectants and Sterilising Agents. In: Antimicrobial Susceptibility Testing: Methods and Practices with an Australian Perspective. 2004. ASM Press. Australia. ISBN 0-9581565-1-4. Pages 241-246.

- **PCR for Clinical Microbiology: An Australian and International Perspective** 2010. Springer Publishers ISBN 978-90-481-9039-3. M Schuller, T Sloots, G James, C Holiday, I Carter etc.

Chapters Published:

Chapter 72: **John Merlino**, Ian Kay, Geoff Coombs and Silvano Palladino. PCR assays in detecting methicillin resistance in staphylococci: Coagulase negative staphylococci (CNS), *S. aureus*, and MRSA with the PVL gene. Pages 407-415.

Chapter 73: John Merlino, Ian Kay, Geoff Coombs and Silvano Palladino. Detection of VRE: vanA and vanB genes by PCR. Pages 415-423.

Guest Editor –

Journal - Microbiology Australia Journal 2007: Issue - Antimicrobial Resistance: Towards an integrated approach to the problem of Antimicrobial Resistance in Australia. John Tapsall and **John Merlino**. Volume 28; 2007. CSIRO PUBLISHING | Microbiology Australia

<https://www.publish.csiro.au/ma/issue/6853>

Guest Editor –

Journal- Microbiology Australia Journal 2010: Issue - Biocides in the Health Industry **John Merlino** and Melissa Brown
Microbiology Australia. Volume 4; 2010. CSIRO PUBLISHING | Microbiology Australia

<https://www.publish.csiro.au/MA/issue/6832>

Guest Editor – Journal- Microbiology Australia Journal 2014: Issue - Hospital-acquired Infections, Susceptibility Testing and Infection Control. Lyn Gilbert, Jonathan Iredell and **John Merlino** Volume 35; 2014. CSIRO PUBLISHING | Microbiology Australia

<https://www.publish.csiro.au/MA/issue/7539/>

Published Reviewed Articles:

1. **Merlino J**, Siarakas S, Robertson GJ, Funnell GR, Gottlieb T, and Bradbury R. (1996). Evaluation of CHROMagar Orientation for differentiation and presumptive identification of Gram-negative bacilli and Enterococcus species. *Journal of Clinical Microbiology* 34:1788-1793.
2. **Merlino J**, Gill R, and Robertson. (1996). Application of lipovitellin-salt-mannitol agar for screening, isolation, and presumptive identification of Staphylococcus aureus in a Teaching Hospital. *Journal of Clinical Microbiology* 34:3012-3015.
3. **Merlino J**. (1997). Application of CHROMagar Orientation in the identification and differentiation of Proteaeae from other Enterobacteriaceae. *Aust. J. Med. Scienc.* 18:20-23.
4. **Merlino, J.** (1997). Coloured colonies: Identifying bacteria on the basis of different enzymes' substrate specificities. *Today's Life Science.* 9(5):20-24.
5. **Merlino J**, Tambosis E, and Veal D. (1998). Chromogenic tube test for presumptive identification or confirmation of isolates as Candida albicans. *Journal of Clinical Microbiology.* 36:1157-59.
6. **Merlino J**, Funnell G, Parkinson D, Siarakas S, and Veal D. (1998). Enzymatic chromogenic identification and differentiation of enterococci. *Aust. J. Med. Scienc.* 19:76-81.
7. **Merlino, J.** (1998). Detecting enterococci and vancomycin resistance. *Today's Life Science.* 10(9):37-39.
8. **Merlino J.** (1999). Microbiology Australia. Detecting and understanding vancomycin resistance in enterococci. CSIRO PUBLISHING | Microbiology Australia 20:13-16.
9. **Merlino J**, Ross Bradbury, Marcel Leroi, Duncan Veal and Colin Harbour. (2000). New chromogenic identification and detection of Staphylococcus aureus and MRSA. *Journal of Clinical Microbiology.* 38(6):2378-80.
10. **Merlino J**, Marcel Leroi, Paul Armstrong, Ross Bradbury and M Dryden (2000). Pneumococcal Bacteraemia and Problems Associated with Preliminary Identification and Interpretation of Positive Blood Culture Smears. *European Journal of Clinical Microbiology and Infectious Diseases.* 19(6):488-9.
11. **Merlino J**, Watson J, Rose B, Pegler M, Gottlieb T, Bradbury, and Harbour C. (2002). Detection and expression of methicillin/oxacillin resistance in multidrug-resistant and non- multidrug-resistant Staphylococcus aureus in Central Sydney, Australia. *Journal of Antimicrobial and Chemotherapy.* 49(5):793-801.
12. **Merlino J**, Watson J, Funnell G, Gottlieb T, Bradbury, and Harbour C. (2002). New screening medium for the detection and identification of methicillin/oxacillin resistant Staphylococcus aureus (MRSA) for nosocomial surveillance. *European Journal of Clinical Microbiology and Infectious Diseases.* 21(5):414-6.
13. Mario Anthony, Barbara Rose, Mary Beard Pegler, Mark Elkins, Helen Service, Keerthi Thamothersampillai, Jason Watson, Michael Robinson, Peter Bye, **John Merlino** and Colin Harbour. (2002). Genetic Analysis of Pseudomonas aeruginosa Isolates from the Sputa of Australian Cystic Fibrosis Patients. *Journal of Clinical Microbiology.* 40(8):2772-8.
14. Watson J, Givney R, Pegler M, Rose B, **Merlino J**, Vickery A, Gottlieb T, Bradbury R, and Harbour C. (2003). Characterization of non-multidrug resistant Staphylococcus aureus isolates from Central Sydney, Australia. *Journal of Clinical Microbiology.* 41(2):867-72.
15. **Merlino J**, Rose B and Harbour C (2003). Rapid detection of non-multidrug-resistant and multidrug-resistant methicillin-resistant Staphylococcus aureus using cycling probe technology for the mecA gene. *European Journal of Clinical Microbiology and Infectious Diseases.* 22(5):322-3.
16. **Merlino J** (2006). New Technology in Defining Phenotypic and Molecular Methods in Detecting and Understanding Bacterial Resistance - Making Sense of Resistance Genes. CSIRO PUBLISHING | Microbiology Australia. 27:87-89.
17. **Merlino J**, Iredell J (2007). Molecular Science of Antimicrobial Resistance. CSIRO PUBLISHING | Microbiology Australia. 28: 160-162.
18. **Merlino J** (2008). Improved methods in the identification and screening for Staphylococcus aureus and methicillin resistance. CSIRO PUBLISHING | Microbiology Australia. 29:150-152.
19. Gottlieb T, Su W, **Merlino J** and Cheong E. (2008) Recognition of USA300 isolates of community-acquired methicillin resistant S. aureus in Australia. (Letter) *Medical Journal of Australia.* 189: 179-180.
20. **Merlino J** (2009). Global changes: Bacterial populations, environmental pressures and the future of predicting Antimicrobial Resistance and Pathogenicity. CSIRO PUBLISHING | Microbiology Australia. 30:76-77.
21. Merlino J, Stokes HW, Cheong E. and Gottlieb T. (2009). First clinical case of a locally acquired carbapenem-resistant VIM-1 metallo- β -lactamase in Pseudomonas aeruginosa in Australia. (Letter) *Medical Journal of Australia.* 191 (5): 289-90.
22. Chowdhury Piklu Roy; **Merlino John**; Labbate Maurizio; Cheong Elaine Y-L; Gottlieb Thomas; Stokes H W. (2009) Tn6060, a transposon from a genomic island in a Pseudomonas aeruginosa clinical isolate that includes two class 1 integrons. *Antimicrobial Agents and Chemotherapy.* 2009; 53(12):5294-6.
23. Peter Kennedy and **John Merlino**. Biocidal activity of Silver in Burns Dressings- cause for concern? CSIRO PUBLISHING | Microbiology Australia. 2010.
24. Pinto A, **Merlino J**. CO₂-dependent methicillin-resistant Staphylococcus aureus. *Journal of Antimicrobial and Chemotherapy.* 2011 Mar;66(3):676-7.
25. Chowdhury PR, Ingold A, Vanegas N, Martínez ME, **Merlino J**, Merkier AK, Castro M, González Rocha G, Borthagaray G, Centron D, Toledo HB, Márquez CM, Stokes HW. Dissemination of multiple drug resistance genes by Class 1 integrons in Klebsiella pneumoniae isolates from four countries: A comparative study. *Antimicrobial Agents and Chemotherapy.* 2011.

26. Su WY, Gottlieb T, **Merlino J**. Optimal phenotypic testing of AmpC beta-lactamases using boronic acid solutions. *European Journal of Clinical Microbiology and Infectious Diseases*. 2011.
27. **Merlino J** et al (1997) Chromogenic Identification and Differentiation of Micro-organisms. Postgraduate Seminars. School of Biological Sciences. Macquarie University. Sydney.
28. **Merlino J**, Siarakas S, and Robertson G. (1998). Cryptosporidium outbreak in swimming pools. Central Sydney Laboratory Service Newsletter. NSW Health Issue 20:1-2.
29. **Merlino J**. 2002. Chromogenic Detection of Vancomycin-resistant Enterococci and Methicillin-resistant *Staphylococcus aureus*: Novel Methods in the Screening for Antimicrobial Resistance in Nosocomial Pathogens. Australian Society for Antimicrobial Newsletter, September 2002; pages 8-10.
30. **John Merlino**, Silvano Palladino, Paul Sheehan, Tony Badrick, David Thorburn, Louise Weinhold, Tony Prior, Greg Ward, Susan Matthews, Jan Noble, Tony Woods, Vincent Williams, Kayleen Bertram. Competency-Based Standards for Medical Laboratory Workforce 2011, Pathology Association Council.
31. Betteridge T, **Merlino J**, Natoli J, Cheong EY, Gottlieb T, Stokes HW. Plasmids and Bacterial Strains Mediating Multidrug-Resistant Hospital-Acquired Infections Are Coresidents of the Hospital Environment. *Microb Drug Resist*. 2013 Oct 15.
32. Ginn, A., Zong, Z., Wiklendt, A., Thomas, L., Merlino, J., Gottlieb, T., van Hal, S., Harkness, J., Macleod, C., Bell, S., Partridge, S., Iredell, J., et al. Limited diversity in the gene pool allows prediction of third-generation cephalosporins and aminoglycosides resistance in *Escherichia coli* and *Klebsiella pneumoniae*. *International Journal of Antimicrobial Agents*, 42(1), 19-26, 2013.
33. **Merlino J**. 2014. Antibiotic susceptibility testing methods and emerging bacterial resistance in hospitals. CSIRO PUBLISHING | Microbiology Australia. Volume 35: 160-162.
34. Lyn Gilbert, Jon Iredell and **John Merlino**. 2014. Editorial. Healthcare infection prevention and control really is everyone's business. CSIRO PUBLISHING | Microbiology Australia. Volume 35.
35. Abraham S, O'Dea M, Trott DJ, Abraham RJ, Hughes D, Pang S, McKew G, Cheong EY, Merlino J, Saputra S, Malik R, Gottlieb T. Isolation and plasmid characterization of carbapenemase (IMP-4) producing *Salmonella enterica* Typhimurium from cats. *Nature Sci Rep*. 2016 Oct 21; 6:35527. doi: 10.1038/srep35527.
36. **J. Merlino**. Antimicrobial resistance a threat to public health. CSIRO PUBLISHING | Microbiology Australia. 2017, 38 (4), 165-167.
37. Piklu Roy Chowdhury, Mathieu Fourment, Matthew Z DeMaere, Leigh Monahan, **John Merlino**, Thomas Gottlieb, Aaron E Darling, Steven P Djordjevic Identification of a novel lineage of plasmids within phylogenetically diverse subclades of IncHI2-ST1 plasmids *Plasmid* 2019, 102, 56-61.
38. SA Fernando, S Pang, GL McKew, T Phan, **J Merlino**, GW Coombs, __ Evaluation of the Haemophilus influenzae EUCAST and CLSI disc diffusion methods to recognize aminopenicillin and amoxicillin/clavulanate resistance. *Journal of Antimicrobial Chemotherapy* 2020, 75 (9), 2594-2598.
39. Shakeel Mowlaboccus, Denise Daley, Stanley Pang, Thomas Gottlieb, **John Merlino**, Graeme R Nimmo, Narelle George, Tony M Korman, Richard Streitberg, Jenny Robson, Georgia Peachey, Peter Collignon, Susan Bradbury, Elena Colombi, Joshua P Ramsay, Benjamin A Rogers, Geoffrey W Coombs. Identification and characterisation of fosfomycin resistance in *Escherichia coli* urinary tract infection isolates from Australia. *International Journal of Antimicrobial Agents* 2020, 56 (4), 106121.
40. Priyanka Hastak, Mathieu Fourment, Aaron E Darling, Thomas Gottlieb, Elaine Cheong, **John Merlino**, Garry SA Myers, Steven P Djordjevic, Piklu Roy Chowdhury. Genomic profiling of *Escherichia coli* isolates from bacteraemia patients: a 3-year cohort study of isolates collected at a Sydney teaching hospital 2020, *Microbial Genomics* 6 (5).
41. **J Merlino**, T Gray. Vancomycin variable Enterococcus (VVE), *E. faecium*, harbouring the vanA gene complex, *Pathology*, 2020, S0031-3025 (20) 30997-1.
42. **John Merlino**, Shelanah Fernando, Genevieve McKew, Timothy Gray, Elaine Cheong, Jacob Birdsall, Rohan Beresford, Thomas Gottlieb. Ruler versus callipers in measuring antibiotic disc zone diameters: a comparative study *Journal of Antimicrobial Chemotherapy*, 2020 Sep 1; 75(9):2594-259.
43. **John Merlino**, Timothy Gray, Rohan Beresford, Sai Rupa Baskar, Thomas Gottlieb, Jacob Birdsall. Wound infection caused by *Neisseria zoodegmatis*, a zoonotic pathogen: a case report. *Access Microbiology*, 10 February 2021 <https://doi.org/10.1099/acmi.0.000196>.
44. **John Merlino**, Jacob Birdsall, Sai Rupa Baskar, Rohan Beresford. *Ignavigranum ruoffiae* associated with skin abscess. *Pathology* 2021 (Accepted, 2021 in press)
45. Success of ceftazidime-avibactam and aztreonam in combination for a refractory biliary infection with recurrent bacteraemia due to blaIMP-4 carbapenemase-producing *Enterobacter hormaechei* subsp. *oharae*. McKew G, **Merlino J**, Beukers A, van Hal S, Gottlieb T. *Access Microbiol*. 2021 Aug 6;3(8):000248. doi: 10.1099/acmi.0.000248. eCollection 2021. PMID: 3488847947.
46. Piklu Roy Chowdhury, Priyanka Hastak, Ethan Wyrsh, Dmitriy Li, Paarhiphan Elankumaran, Monika Dolejska, Glen F. Browning, Mark Marenda, Thomas Gottlieb, Elaine Cheong, **John Merlino**, Garry S. A. Myers and Steven P. Djordjevic. Phylogenomic analysis of a global cohort of *Escherichia coli* ST38: evidence of interspecies and environmental transmission. **2021 BMJ Open**.
47. Mowlaboccus, Shakeel; Daley, Denise; Birdsall, Jacob; Gottlieb, Thomas; **Merlino, John**; Nimmo, Graeme; George, Narelle; Korman, Tony; Streitberg, Richard; Robson, Jenny; Peachey, Georgia; Collignon, Peter; Bradbury, Susan;

- Rogers, Benjamin; Coombs, Geoffrey. Molecular Characterisation of Fosfomycin-resistant *Escherichia coli* Urinary Tract Infection Isolates from Australia. *Clinical Microbiology and Infection* 2021 CLM-21.
48. Jacob Birdsall, Steven Siarakas, **John Merlino**. Minimum inhibitory concentration and susceptibility patterns of organisms to fosfomycin as determined by BD Phoenix M50. *Acta Scientific Microbiology* 2021 Vol.4 Issue5:19-22.
 49. **John Merlino** and Steven Siarakas. 2022 Antibiotic Prescribing and Antimicrobial Resistance from an Australian Perspective. Mary Ann Liebert MICROBIAL DRUG RESISTANCE Volume 00, Number 00, 2022 ^a Mary Ann Liebert, Inc. DOI: 10.1089/mdr.2021.0187 (accepted in print 2022).
 50. Priyanka Hastak, Mathieu Fourment, Aaron E Darling, Thomas Gottlieb, Elaine Cheong, **John Merlino**, Garry SA Myers, Steven P Djordjevic, Piklu Roy Chowdhury. *Escherichia coli* ST8196 is a novel, locally evolved, and extensively drug resistant pathogenic lineage within the ST131 clonal complex, *Emerging Microbes & infections* (in press)
 51. **John Merlino** et al. *Haemophiles Influenzae* isolated from blood culture and Ceftriaxone: A comparative case study EUCAST and CLSI Guidelines (Manuscript in preparation)
 52. **John Merlino** et al. Unique Vancomycin-Variable *Enterococcus faecium*: Containing the *vanA* gene with the *vanS*, *vanR* and *vanH* gene present in a clinical isolate in Australia (Manuscript in preparation).
 53. **John Merlino** et al. First isolation of *Escherichia marmotae* in Australia from UTI infection: containing genotypic virulence traits associated with *Escherichia* pathogenicity (manuscript in preparation)
 54. **John Merlino** et al. Identification of *Kosakonia cowanii* as a rare cause of skin infections: case report and review of the literature (Manuscript in preparation)

Presentations: Published Posters/Abstracts/ Lectures:

- **J. Merlino** Annual Scientific Meeting of the Australian Society for Microbiology, Canberra, 1995. "Evaluation of CHROMagar Orientation for the differentiation of Gram-Negative Bacilli and Enterococci".
- **J. Merlino** ASM Clinical Special Interest Group Meeting, Sydney, 1996. "A 'Golden' method for the screening of Methicillin Resistant *Staphylococcus aureus* (MRSA)".
- Poster J. Merlino Concord Annual Clinical Week 1996. "The Ezymatic Identification of Bacteria".
- **J. Merlino** Biodiversity & Bioresources workshop Macquarie University 1996. Chromogenic substrate enzyme reactions by Micro-organisms.
- J. Merlino Proffered paper Annual Scientific Meeting of the Australian Society for Microbiology, Adelaide, 1997. "Chromogenic Identification and differentiation of Enterococci".
- **J. Merlino** Annual Scientific Meeting of the Australian Society for Microbiology, Adelaide, 1997. "Chromogen-linked enzymatic reactions in the identification of micro-organisms".
- **J. Merlino** Concord Annual Clinical Week 1997. Poster "Bacteremia caused by *Streptococcus pneumoniae*".
- **J. Merlino** Zoonosis: Hydatid disease. *Echinococcus* diseases in man. Concord Repatriation General Hospital. 1997,
- **J. Merlino** Anaerobic Identification of Micro-organisms. Concord Repatriation General Hospital. 1997.
- **J. Merlino** Chromogenic Identification and Differentiation of Microorganisms. Postgraduate Seminars 1997. School of Biological Sciences. Macquarie University. Sydney.
- **J. Merlino** Workshop presentation. Chromogenic Identification of Microorganisms. South West Australian Institute of Medical Scientists- 33rd Annual Conference – ASM Central West. Orange March 1998.
- **J. Merlino** New Chromogenic substrates in the Identification and Differentiation of Microorganisms. Postgraduate Seminars 1998. School of Biological Sciences. Macquarie University. Sydney.
- **J. Merlino** ASM Culture Media invited Symposium speaker. The usefulness of chromogenic substrates in the primary identification of microorganisms. Annual Scientific Meeting of the Australian Society for Microbiology, Hobart, Tasmania, 1998.
- **J. Merlino** Medical Microbiology 1. Oral presentation. The development of a new chromogenic screening test for the phenotypic identification and differentiation of enterococci with application in the detection of vancomycin resistance. Annual Scientific Meeting of the Australian Society for Microbiology, Hobart, Tasmania, 1998.
- **J. Merlino**. Medical Microbiology, Public Health and Serology Session. Bacteraemia caused by *Streptococci pneumoniae* detected by the BacT/Alert blood culturing system: a continuous monitoring system. Annual Scientific Meeting of the Australian Society for Microbiology, Hobart, Tasmania, 1998.
- **J. Merlino** Chromogenic Workshop. Rapid Methods SIG and Culture Media SIG - Chairperson - Chromogenic Identification of Microorganisms. Annual Scientific Meeting of the Australian Society for Microbiology, Hobart, Tasmania, 1998.
- **J. Merlino** IX International Congress of Bacteriology and Applied Microbiology. . (1999). New chromogenic identification and detection of *Staphylococcus aureus* and MRSA.
- **J. Merlino** Invited Symposium speaker: Annual Scientific Meeting of the Australian Society for Microbiology, New Zealand Microbiology society and Federation of Asia-Pacific Microbiology Societies Year 2000 Cairns.
- **J. Merlino** Antimicrobials 2000. The Australian Society for Antimicrobials 1st Annual Scientific Meeting Sydney. Poster. Chromogenically detecting vancomycin resistance in enterococci.
- **J. Merlino** Antimicrobials 2000. The Australian Society for Antimicrobials 1st Annual Scientific Meeting Sydney. Poster. Chromogenic Identification and detection of expression of PBP 2a in MRSA Producing Strains.
- **J. Merlino** Invited Symposium speaker: Annual Scientific Meeting of the Australian Society for Microbiology, New Zealand Microbiology Society and Federation of Asia-Pacific Microbiology Societies Year 2000 Cairns. Quality control of Culture Media.

- **J. Merlino** Invited Murex Award Lecture. Annual Scientific Meeting of the Australian Society for Microbiology, New Zealand Microbiology Society and Federation of Asia-Pacific Microbiology Societies Year 2000 Cairns. Application of a New Class of Chromogenic Compounds and Development of a New rapid Screening Identification System for the Identification and Differentiation of Gram-Negative Bacilli and Enterococci.
- **J. Merlino** Annual Scientific Meeting of the Australian Society for Microbiology, New Zealand Microbiology Society and Federation of Asia-Pacific Microbiology Societies Year 2000 Cairns. Poster. Abstract - Joint Author. A comparison of three screening methods for the detection of methicillin resistant *Staphylococcus aureus* directly from clinical sources.
- **J. Merlino** Invited speaker for August 2000 Department of Microbiology, SEALS Prince of Wales Hospital. Sydney. Chromogenic identification and detection of *Staphylococcus aureus* and PBP 2a in MRSA isolates.
- **Merlino J**, Leroi M, Funnell G, Bradbury R, Harbour C. Chromogenic identification and detection of PBP 2a in MRSA producing strains. Abstract 0036. Australian Society for Antimicrobials 1st Annual Scientific Meeting Sydney Australia April 13-15, 2000.
- **Merlino J**, Watson J, Rose B, Bradbury R, Harbour C. Genotypic and phenotypic analysis of oxacillin and methicillin resistance in non multi-drug and multi-drug resistant *Staphylococcus aureus*. The Medical Foundation and The College of Health Sciences Second Research Conference. FROM CELL TO SOCIETY. The University of Sydney, Fairmont Resort Leura, Sydney Australia 1-2 November 2000.
- **Merlino J**, Watson J, Rose B, Pegler M, Gottlieb T, Bradbury R, Harbour C. Genotypic and phenotypic analysis of oxacillin and methicillin resistance in non multi-drug and multi-drug resistant *Staphylococcus aureus*. 2nd Annual Meeting of the Australian Society for Antimicrobials Melbourne, Australia 2001.
- Watson J, Givney R, Beard-Pegler M, Rose B, **Merlino J**, Vickery A, Gottlieb T, Bradbury R, Harbour C. Joint Author. Molecular epidemiology and evolution of methicillin resistant *Staphylococcus aureus*. . 2nd Annual Meeting of the Australian Society for Antimicrobials Melbourne, Australia 2001.
- **Merlino J**, Watson J, Bradbury R, Harbour C. The changing epidemiology of methicillin resistance *Staphylococcus aureus* in Central Sydney. Joint Scientific Meeting - Australian Institute of Medical Scientists, Australian Association of Clinical Biochemists, Australian Society for Microbiology, Histotechnology Group of NSW. Jamberoo 5-7th July 2001. NSW Sydney.
- **Merlino J**, Rose B, Harbour C, Bradbury R. Rapid detection of non-multidrug and multidrug resistant MRSA using cycling probe technology (CPT). Abstract 1. 3rd Annual Meeting of the Australian Society for Antimicrobials Sydney, Australia 2002.
- **Merlino J**, Harbour C, Rose B, Funnell G, Gottlieb T, Bradbury R. ORSAB a new screening medium for the detection and identification of MRSA/ORSA for nosocomial surveillance. Abstract 2. 3rd Annual Meeting of the Australian Society for Antimicrobials Sydney, Australia 2002.
- **Merlino J**, Watson J, Rose B, Gottlieb T, Bradbury R, Harbour C. Expression of Methicillin/Oxacillin resistance in non-multidrug and multidrug resistant MRSA in Central Sydney Area, Australia. 10th International Symposium on Staphylococci and Staphylococci Infections. 16-19th October, Tsukuba, Tokyo Japan 2002.
- **Merlino J**, Watson J, Rose B, Bradbury R, Harbour C. Genotypic Analysis of the *mecI* gene and *mec* Promoter/Operator Region of Heterogenous Non-multidrug and Homogenous Multidrug Resistant MRSA in Central Sydney Area, Australia. 10th International Symposium on Staphylococci and Staphylococci Infections. 16-19th October Tsukuba, Tokyo, Japan 2002.
- **Merlino J**, Siarakis S, Bradbury R, Harbour C. Evaluation of CHROMagar Staph. aureus and ORSAB agar media for the Identification and detection of *Staphylococcus aureus* and MRSA isolates. 10th International Symposium on Staphylococci and Staphylococci Infections. 16-19th October Tsukuba, Tokyo, Japan 2002.
- **Merlino J** and Harbour C. Comparative analysis of standardized antibiotic susceptibility testing methods for detecting community and hospital acquired methicillin/oxacillin resistance in *Staphylococcus aureus*. ASM Sydney, National Conference 2004.
- **Merlino J** and Tim Walsh, UK. Workshop: Antimicrobial Resistance and Mechanisms of Resistance: A Practical approach in Detecting Bacterial Resistance. Held at the University of Sydney, Faculty of Medicine, Central Clinical School. ASM National Conference 2004.
- **Merlino J**. Emerging Bacterial Resistance and the Medical Laboratory. Invited by the South-West Division Australian Institute of Medical Laboratory Scientist, Orange 2005.
- Kwok A, Siarakas S, Funnell G, Harbour C, **Merlino J**. CHROMagar MRSA a New Chromogenic Media for the Detection of Methicillin Resistant *S. aureus*. ASM Queensland, National Scientific Conference 2006.
- **Merlino J** & Phan T. Simple RT PCR Rotorgene Assay for Rapid Detection and Identification of *S aureus* and MRSA Directly from positive BacT/Alert Blood Culture Bottles. ASM Queensland, National Scientific Conference 2006.
- **Merlino J** et al Detection of VRE using a New Chromogenic agar - CHROMagar VRE compared to Enterococcosel agar supplemented with 6 mg/L vancomycin. ASM Adelaide, National Scientific Conference 2007.
- Merlino J, Phan T, Fernandes L and Roy R. Real-Time PCR Rotor-Gene 3000 Assay for the Rapid Detection of *vanA* and *vanB* genes for Vancomycin Resistance in Enterococcal Isolates. ASM Adelaide, National Scientific Conference 2007.
- **Merlino J**. How can we improve susceptibility testing to distinguish the uncommon antibiotic profile? ASM Adelaide - Workshop, National Scientific Conference 2007.
- Natoli J, Merlino J et al. Cholera in Sydney. ASM Adelaide, National Scientific Conference 2007.
- Jenkins F, Agus H, **Merlino J**, and Siarakas S. Laboratory challenges in detecting MBL imp4 gene resistance in Enterobacter species. ASM Melbourne, National Scientific Conference 2008.
- **Merlino J**, Siarakas S, Cheong E, Gottlieb T, Roy B. Rapid detection and identification of MBLs (IMPgen/VIM gen) by RT PCR Assay and Melting Curve analysis. ASM Melbourne, National Scientific Conference 2008.

- **Merlino J**, Siarakas S, Cheong E, Natoli J, Stokes H and Gottlieb T. First case of VIM1 gene in a carbapenem resistant clinical isolate of *P. aeruginosa* isolated in Sydney Australia. ASM Melbourne, National Scientific Conference 2008.
- Su WY, Cheong E, Gottlieb T and Merlino J. Detection of AmpC β -lactamase Resistance in *E. coli* and *K. pneumoniae* - ceftiofur resistance, double-disc synergy testing with two boronic acid formulations and PCR AmpC gene detection. Australian Society for Antimicrobials Annual Conference, Melbourne 2009.
- **J. Merlino**. Invited Speaker Paris France – Pasteur Institute. CHROMagar Chromogenic Workshop. Past, Present and Future: Applications and Integration of Chromogenic Culture Media in Clinical Laboratories. Sept. 2009.
- **J. Merlino**. Invited Speaker. Australian Institute of Medical Scientists National Scientific Meeting 12-16 October 2009.
 - Lecture 1. MRSA: A successful Pathogen Today and Tomorrow.
 - Lecture 2. Changing Patterns of Antimicrobial Resistance in Bacterial Pathogens.
- **Merlino J**. Expression of methicillin resistance in *S. aureus* and Detection of MRSA using ceftiofur in the Vitek2 Compact System. BioMerieux Identifying Resistance meeting Sydney 2009.
- Angie Pinto b& John Merlino. CO2 Dependant Methicillin Resistant Staphylococcus aureus (MRSA). ASM Sydney, Annual National Scientific Conference Sydney 2010.
- Chowdhury P, Gomez NV, **Merlino J**, Stokes H. Dissemination of Multiple Drug Resistance genes by Class 1 Integrons in *K. pneumoniae* from four Countries: A comparative study. ASM Sydney, Annual National Scientific Conference Sydney 2010.
- **J. Merlino**. Australian Institute of Medical Scientists & Australian Society for Microbiology Medical Sciences 2010. Monday 27th – Wednesday 29th September 2010 at the Novotel North Beach, Invited Presentation: Susceptibility Testing in 2010 – What’s Changed? An Update “The Old and the New”
- **J. Merlino** Invited Presentation: Antimicrobial Resistance in Hospitals and Environments – Macquarie University, School of Biological Sciences. 2010.
- **J. Merlino**. Antimicrobial Resistance in Bacterial Infections Invited Guest Lecturer – Charles Sturt University – Department of Health Sciences Wagga Wagga NSW 2011
- **J. Merlino**. Invited speaker Pathology Update RCPA. Antimicrobial Resistance: Mechanisms, Methods and Practice In Iain Abbott, Brendan McMullan, John Merlino, Indy Sandaradura, Marjorie Sehu, Yuen Su. Pathology Update 2012 - RCPA © 2012 Royal College of Pathologists of Australasia
- **J. Merlino** Invited Speaker AACB AIMS 2018 - Scientific Program. Antimicrobial resistance a threat to public health.

Chaired Workshops National and International:

Year	Scientific Meeting Locations	Educational Workshops
2003	New Zealand Convention Centre	Antimicrobial Resistance: Problems and Issues for– Medical & Veterinary Testing
2004	Sydney, Convention Centre Darling Harbour	Antimicrobial Resistance and Mechanisms of Resistance A Practical Approach in Detecting Bacterial Resistance
2005	Canberra Convention Centre	Resistance markers, Nucleic Acid Technology, Bacterial Population Analysis and Applications for the routine Laboratories in Detecting Resistance. What does the future hold in detecting and screening for resistance for our laboratories?
2006	Queensland Convention Centre	Laboratory Detection Update on Multi-Resistant Organisms
2007	Adelaide Convention Centre	Susceptibility Testing & Emerging Resistance Seen in Unusual Organisms
2008	Melbourne Convention Centre	Beta-lactamase Resistance
2009	Perth, Convention Centre	Emerging Resistance Seen in Gram-positive Organisms
2010	University of Sydney, Blackburn building Level 4 and 6.	Antimicrobial Resistance among Bacterial Pathogens: Mechanisms, Detection and Molecular Epidemiology
2011	Tasmania-Hobart, University of Tasmania	Antimicrobial Resistance in Bacterial Respiratory Pathogens
2012	Brisbane Convention Centre	Antimicrobial and Antifungal Resistance: Susceptibility Testing

2013	Adelaide Convention Centre	– Supplementary and Molecular Testing for Multi-Drug Resistance Workshop for July 2013 – Brisbane Convention Centre: What's in a name? - Impact of MALDI-TOF and Susceptibility Testing in Microbiology
2017	University of Tasmania - School of Biomedical Sciences	Detecting and Reporting Antimicrobial Resistance in Unusual or Fastidious Bacteria