



*Immunisation:
new frontiers*

13TH NATIONAL IMMUNISATION CONFERENCE

**19-21 June 2012
Darwin Convention Centre,
Darwin**



Public Health Association
AUSTRALIA



Australian Government
Department of Health and Ageing

CSL Biotherapies

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SANOFI PASTEUR

Tuesday, 19 June 2012

7.30-8.30 Registration (Pre-function Area)

**8.30-10.30 Welcome by representatives of the Larrakia people, the traditional owners
Opening by Michael Moore, CEO, PHAA**

Video message from The Hon Tanya Plibersek MP, Minister for Health

**Plenary 1: Immunisation & Indigenous Health Around the World
(Auditorium 2) Co-Chairs: A/Prof Ross Andrews & Chris Nagy**

sponsored by CSL Biotherapies

Prof David Scheifele - Immunization and Health of Indigenous Peoples: Canada

James Ward - Australia

Prof Diana Lennon - New Zealand

10.30-11.00 Morning Tea (Exhibition Hall)

11.00-12.30 Concurrent Sessions 1

Coverage/Data Linkage (Auditorium 2) Chair: Rosemary Lester

- 11.00-11.15 1. Investigating the broader impact of paediatric vaccinations using population-based data linkage - [Hannah C Moore](#)
- 11.15-11.30 2. Trends in immunisation coverage and timeliness in Aboriginal and Torres Strait Islander children 2004 to 2011 - [Brynley Hull](#)
- 11.30-11.45 3. Using hospital episode statistics to estimate hospitalisations attributable to rotavirus gastroenteritis - [Sanjay Jayasinghe](#)
- 11.45-12.00 4. Aboriginal infant identification and telephone contact of Aboriginal mothers - [Natalie Allan](#) & [Patrick Cashman](#)
- 12.00-12.15 5. Determinants of school-based vaccination consent form return and uptake in Western Australia - [Paul V Effler](#)
- 12.15-12.30 6. Improving ACIR Data and Immunisation Rates in a Low Coverage Area, Sydney - [Karen Orr](#)

Modelling (Waterfront 1) Chair: Raina MacIntyre

- 11.00-11.15 1. Exploring assumptions in influenza models: Implications for the universal vaccination of children - [Anthony T Newall](#)
- 11.15-11.30 2. Using mathematical models of pertussis transmission to improve understanding of vaccine impact - [Patricia Campbell](#)
- 11.30-11.45 3. Using a household model to explore the implications of maternal immunization against pertussis - [Nicholas Geard](#)
- 11.45-12.00 4. Updating modelling predictions for pertussis in Australia - [James Wood](#)
- 12.00-12.15 5. Modelling the impact of varicella catch-up immunisation program on the epidemiology of varicella and zoster in Australia - [Zhanhai Gao](#)
- 12.15-12.30 6. Age distribution of pneumococcal disease by country: implications for vaccination schedules - [Fiona Russell](#)

Service Delivery: Indigenous Health (Waterfront 2) Chair: Telfia-Leanne Joseph

- 11.00-11.15 1. Outreach Indigenous Immunisation achieves results - [Janet Farmer](#) & [Coralie Buchanan](#)
- 11.15-11.30 2. Aiming High in Cape York: A collaborative approach to successful immunisation rates - [Shirley Bradley](#) & [Ann Richards](#)
- 11.30-11.45 3. Improving adult vaccination coverage through Adult Health Checks in a remote Aboriginal community - [Paul Burgess](#)
- 11.45-12.00 4. Approaches to enhance healthcare professional communication on immunisation with Maori parents - [Tim Corbett](#)
- 12.00-12.15 5. Vaccinating the Territory – a different kettle of fish but worth the catch - [Chris Nagy](#)
- 12.15-12.30 6. Human Papilloma Virus vaccine delivery in Central Australia – thinking outside the box - [Kaylene Prince](#)

Conference Program

Bacterial Diseases (Waterfront 3) Chair: Peter McIntyre

- 11.00-11.15 1. Epidemiology and control of Q fever in Australia and the Netherlands: a comparison - [Heather F Gidding](#)
- 11.15-11.30 2. The Impact of Invasive Meningococcal Disease in South Australian children (2000-2010) - [Helen Marshall](#)
- 11.30-11.45 3. Estimating Australian Strain Coverage of a Multicomponent Vaccine Targeting Serogroup B Meningococci - [Helen Smith](#)
- 11.45-12.00 4. The impact of immunisation programs on trends in bacterial meningitis mortality in Australia - [Tarana Lucky](#)
- 12.00-12.15 5. Hospitalisations for all-cause and pneumococcal pneumonia in Australia, 1998-2008 - [Scott Williams](#)
- 12.15-12.30 6. Invasive pneumococcal disease: impact of pneumococcal vaccination in South Australian children - [Trinh Tran](#)

12.30-2.00 Lunch - including Posters Session 1 (Exhibition Hall)

2.00-3.30 Concurrent Sessions 2

Pertussis 1 (Auditorium 2) Chair: Helen Marshall

- 2.00-2.15 1. Number and order of infancy-delivered whole-cell pertussis vaccines primes for disease protection - [Sarah Sheridan](#)
- 2.15-2.30 2. Seven-fold rise in likelihood of pertussis-test requests during Australian GP encounters, 2000-2011 - [Marlena C Kaczmarek](#)
- 2.30-2.45 3. Waning of pertussis antibodies to 4 years among infants who did and did not receive monovalent acellular pertussis vaccine at birth - [Nicholas Wood](#)
- 2.45-3.00 4. Measuring pertussis vaccine effectiveness against pertussis using a novel case-control approach - [Helen Quinn](#)
- 3.00-3.15 5. Pertussis deaths in Australia – what has changed? - [Melina Georgousakis](#)
- 3.15-3.30 6. Effectiveness of preventing infant pertussis by 'Cocooning' strategy: a NSW case-control study - [Andrew Habig](#)

Influenza (Waterfront 1) Chair: Robert Menzies

- 2.00-2.15 1. Influenza vaccine effectiveness in adults aged 20-64 years, Victoria 2007-11 - [Heath Kelly](#)
- 2.15-2.30 2. Influenza Vaccine Efficacy in Young Children: A Double-blinded Randomized Controlled Trial - [Leon Heron](#)
- 2.30-2.45 3. Does influenza precipitate acute ischaemic heart disease? A prospective case control study - [C Raina MacIntyre](#)
- 2.45-3.00 4. Influenza and diphtheria, tetanus, pertussis (dTpa) vaccine coverage in NT antenatal and postnatal women, 2011 - [Rosalind Webby](#)
- 3.00-3.15 5. General practice encounters following seasonal influenza vaccination as a proxy measure of early-onset adverse reactions - [Aditi Dey](#)
- 3.15-3.30 6. Nosocomial versus community-acquired pandemic influenza A (H1N1) 2009: a nested case-control study - [Leon Heron](#)

Service Delivery 1 (Waterfront 2) Chair: Karen Peterson

- 2.00-2.15 1. Improving Immunisation coverage: The NZ Experience - [Nikki Turner](#)
- 2.15-2.30 2. Strategies to improve vaccination uptake in Australia, a systematic review - [Kirsten Ward](#)
- 2.30-2.45 3. Immunisation day: Observations in urban South Australian secondary schools - [Joanne Collins](#)
- 2.45-3.00 4. The Influence of Schools on the Effectiveness of School Based Vaccination Programs – a cross-sectional ecological study - [Damian Gray](#)
- 3.00-3.15 5. Improvement in immunisation coverage rates following introduction of school-entry immunisation catch-up program, WA, 2011 - [Megan Scully](#)
- 3.15-3.30 6. Best practice at the practice for childhood immunisations - [Lynn Taylor](#)

Conference Program

Social Science of Immunisation (Waterfront 3) Chair: Greg Rowles

- 2.00-2.15 1. Children's, parents' and teachers' responses to a comic book about school vaccinations - [Paul V Effler](#)
- 2.15-2.30 2. Communicating with parents about vaccination: guidelines for health professionals - [Julie Leask](#)
- 2.30-2.45 3. Obstetricians, GPs and Midwives: What is their role in maternal immunisation perinatally? - [Heather Webb](#)
- 2.45-3.00 4. Pregnant women's attitudes toward flu shots: A qualitative study - [Kerrie Wiley](#)
- 3.00-3.15 5. The uptake of and attitudes towards pregnancy related immunisations in South Australian parents - [Ching Wong](#)
- 3.15-3.30 6. What do health professionals in Tairawhiti identify as barriers to immunisation for their patients? - [Hugh McHugh](#)

3.30-4.00 Afternoon Tea (Exhibition Hall)

4.00-4.30 Presentation of Awards (Auditorium 2)

4.30-5.30 Feery Oration: [A/Prof Jeffrey Hanna](#), Discipline of Public Health & Tropical Medicine School of Public Health, Tropical Medicine & Rehabilitation Sciences, James Cook University, Cairns, QLD (Auditorium 2)

5.30-6.30 Conference Reception (Concourse Area, Convention Centre, Darwin)

Wednesday, 20 June 2012

7.15-8.45 Breakfast Forum (Waterfront 1&2) (pre-registration required) Immunisation: Regional and International Perspectives

9.00-10.30 Plenary 2: Maternal Immunisation (Auditorium 2) Chair: [A/Prof Helen Marshall](#)

sponsored by Sanofi Pasteur

The Hon Konstantine Vatskalis MLA, Minister for Health, Northern Territory

[Dr Janet Englund](#) - Vaccination During Pregnancy: Protecting Both Mothers and infants

[A/Prof Ross Andrews](#) - "PneuMum"- results from a maternal pneumococcal vaccine trial in the Northern Territory

[Dr Julie Leask](#) - What makes pregnant women have a vaccine?

10.30-11.00 Morning Tea (Exhibition Hall)

11.00-12.30 Concurrent Sessions 3

Pneumococcal Disease (Auditorium 2) Chair: Peter Richmond

- 11.00-11.15 1. Impact of the northern Australian Indigenous children pneumococcal vaccination schedule 2001-2010 - [Sanjay Jayasinghe](#)
- 11.15-11.30 2. Pneumococcal vaccination coverage of Australian general practice patients - [Christopher Harrison](#)
- 11.30-11.45 3. Dramatic Increase in Invasive Pneumococcal Disease Among the Western Australian Aboriginal Population Due to Non-Vaccine Serotypes - [Carolien Giele](#)
- 11.45-12.00 4. High Pneumococcal Carriage of Non-Conjugate Vaccine Serotypes in Western Australian Aboriginal People - [Anke Hoskins](#)
- 12.00-12.15 5. Impact of Prevenar 13 – a NSW summary to date - [Robin Gilmour](#)
- 12.15-12.30 6. Epidemiology of Invasive Pneumococcal Disease in Queensland, Australia 2001-2011 - [Helen Smith](#)

Conference Program

Service Delivery 2 (Waterfront 1) Chair: Rosalind Webby

- 11.00-11.15 1. Influenza vaccination in children with egg allergy at the Children's Hospital at Westmead - [Kath Cannings](#)
- 11.15-11.30 2. Late vaccination or late report – improving ACIR data - [Thais Miles](#)
- 11.30-11.45 3. A multi-pronged approach to improving immunisation coverage in Wellington, New Zealand - [Helen Hartley](#)
- 11.45-12.00 4. Immunisation records reliably predict immunity against vaccine preventable diseases in internationally adopted children - [Nick Wood](#)
- 12.00-12.15 5. Getting On With It: Engaging 'At Risk' Populations – Hepatitis B Screening and Vaccination - [Amar Kaur](#)
- 12.15-12.30 6. Immunisation within community pharmacy - the benefits and the barriers - [Paul Rees](#)

Vaccine Impact (Waterfront 2) Chair: Stephen Lambert

- 11.00-11.15 1. A mild influenza season with moderate vaccine effectiveness in Victoria, 2011 - [James Fielding](#)
- 11.15-11.30 2. Four-year efficacy of two doses of the HPV-16/18 AS04-adjuvanted vaccine in women - [Cosette M Wheeler](#)
- 11.30-11.45 3. The efficacy of quadrivalent HPV (types 6/11/16/18) vaccine against HPV-related anogenital disease and infection in young men - [Carlos A. Sattler](#)
- 11.45-12.00 4. Why now? Why here? Serotype-1 outbreak in the Northern Territory - [Heather Cook](#)
- 12.00-12.15 5. Universal newborn hepatitis B vaccination in the Northern Territory two decades on - [Bette Liu](#)
- 12.15-12.30 6. PAEDS: Paediatric Active Enhanced Disease Surveillance – its contribution to immunisation policy since 2007 - [Helen Marshall](#)

Vaccine Safety: Influenza (Waterfront 3) Chair: Paul Effler

- 11.00-11.15 1. Febrile seizures following influenza vaccine in Australian children in 2010; a self controlled case series analysis - [Nick Wood](#)
- 11.15-11.30 2. Fever and febrile convulsions following influenza vaccine– importance of routine active safety surveillance - [Helen Petousis-Harris](#)
- 11.30- 11.45 3. Western Australian Vaccine Safety Surveillance: A year in review - [Dale Carcione](#)
- 11.45-12.00 4. Scientific investigations into febrile reactions observed in the pediatric population following vaccination with a 2010 Southern Hemisphere Trivalent Influenza Vaccine - [Eugene Maraskovsky](#)
- 12.00-12.15 5. Febrile reactions following influenza vaccination in children 6 months to 9 years: a systematic review - [Marlena C Kaczmarek](#)
- 12.15-12.30 6. Adverse events following immunization: Influenza A H1N1/09 in Victoria 2009-10 - [David Tran](#)

12.30-2.00 Lunch - including Poster Session 2 (Exhibition Hall)

2.00-3.30 Plenary 3: Report Cards/Disease Impact (Auditorium 2)

Chair: A/Prof Stephen Lambert

Sponsored by Pfizer Vaccines

[A/Prof Ross Andrews](#) - Pneumococcal Disease

[Prof Peter McIntyre](#) - Pertussis

[Dr Tom Snelling](#) - Rotavirus Report Card

[A/Prof Kristine Macartney](#) - Varicella and Herpes Zoster: where are we now?

[Dr Julia Brotherton](#) - Human Papilloma Virus

3.30-4.00 Afternoon Tea (Exhibition Hall)

Conference Program

4.00-5.30

Concurrent Sessions 4

sponsored by the Australian Government Department of Health and Ageing

Human Papilloma Virus (Auditorium 2) Chair: Christine Selvey

- 4.00-4.15 1. Ongoing national decline in genital warts - [Basil Donovan](#)
- 4.15-4.30 2. HPV-16/18 vaccine: two-dose and long-term protection data - [Barbara Romanowski](#)
- 4.30-4.45 3. Development of an adolescent HPV vaccination educational intervention and corresponding evaluation measure - [Spring Cooper Robbins](#)
- 4.45-5.00 4. Accounting for MSM and herd immunity: HPV vaccination impact - [E.Lynne Conway](#)
- 5.00-5.15 5. A new partnership approach to school-based HPV immunisation in Victoria - [Heather O'Donnell](#)
- 5.15-5.30 6. Immunogenicity of a quadrivalent HPV vaccine in females with special risk conditions - [Nigel Crawford](#)

Pertussis 2 (Waterfront 1) Chair: Nicholas Wood

- 4.00-4.15 1. Effectiveness of acellular pertussis vaccine in Queensland children during 2009 - [Sarah Sheridan](#)
- 4.15-4.30 2. Uptake of pertussis vaccine by parents and carers of infants in WA - [Debra Turner](#)
- 4.30-4.45 3. Pertussis epidemiology in Queensland: contribution of laboratory testing to the current outbreak - [Stephen Lambert](#)
- 4.45-5.00 4. Successful implementation of pertussis vaccination for new mothers in maternity wards - [Deborah Thomson](#)
- 5.00-5.15 5. Healthcare worker immunisation programs: How supportive is the community? - [Natalie Thomas](#)
- 5.15-5.30 6. Evaluation of a state-wide information and vaccination campaign during a pertussis epidemic in NSW - [Alexander Rosewell](#)

Varicella & Other Viruses (Waterfront 2) Chair: Heath Kelly

- 4.00-4.15 1. Changes in seroprevalence to hepatitis A in Victoria, Australia: a comparison of three time points - [Anita Heywood](#)
- 4.15-4.30 2. Evaluation of the national varicella vaccination program - [Kirsten Ward](#)
- 4.30-4.45 3. Overview of 15 years of routine use of varicella vaccine in the United States - [Barbara Kuter](#)
- 4.45-5.00 4. Update on herpes zoster (HZ) epidemiology and vaccine - [Eddy Bresnitz](#)
- 5.00-5.15 5. Why not chickenpox vaccine? - [Marianne Trent](#)
- 5.15-5.30 6. Seroprevalence of hepatitis B antibodies in New South Wales 1999-2007 - [Clayton Chiu](#)

Vaccine Safety (Waterfront 3) Chair: Kristine Macartney

- 4.00-4.15 1. SAEFVIC: Five years and 5000 reports - [Hazel J Clothier](#)
- 4.15-4.30 2. Vaccine Assessment Using Linked Data (VALiD) – summary results of feasibility and acceptability - [Katherine Duszynski](#)
- 4.30-4.45 3. Rotavirus vaccination and Intussusception - Queensland review findings - [Madeline Hall](#)
- 4.45-5.00 4. Ultrasound assessment to determine appropriate needle angle for vaccine deposition in muscle - [Michelle Clarke](#)
- 5.00-5.15 5. Reporting of Adverse Event Following Immunisation (AEFI) by healthcare providers - [Adriana Parrella](#)
- 5.15-5.30 6. Trends in reporting of adverse events following immunisation (AEFI) in adults since 2000 - [Deepika Mahajan](#)

6.30-11.00

Conference Dinner: The Darwin Sailing Club, Atkins Drive, Fannie Bay, Darwin
(refer to newsletter for transport information)

Thursday, 21 June 2012

9.00-11.00 Video message The Hon Peter Dutton MP, Shadow Minister for Health and Ageing

Plenary 4: Grand Challenges in Program Implementation, Evaluation and Adverse Events (Auditorium 2) Chair: Dr Rosemary Lester

Sponsored by GlaxoSmithKline Vaccines

A/Prof Stephen Lambert - The importance of evaluating immunisation programs and recent lessons learnt

Dr Robert Menzies - The importance of evaluating immunisation programs and recent lessons learnt

Dr Christine Selvey - Implementation challenges in tropical Australia

Dr Paul Effler - Western Australia – the childhood influenza frontier

Prof Chris Baggoley - From Stokes to Horvath & beyond

Prof David Scheifele - Canada's Immunization Monitoring Program, Active (IMPACT)

11.00-11.30 Morning Tea (Exhibition Hall)

11.30-1.15 **Plenary 5: New Vaccines (Auditorium 2) Chair: Dr Glen Mason**

Sponsored by Medicines Australia Vaccine Industry Group

Dr Andrew Steer - Progress in rheumatic fever vaccine development

Prof Michael Good AO - Chemically attenuated malaria parasites induce profound immunity

A/Prof Helen Marshall - Meningococcal B Vaccines: Are we there yet?

A/Prof Dr Jeffrey Hanna AM - DENGUE VACCINES: an update

1.15-2.30 Lunch (Exhibition Hall)

2.30-4.00 Closing Session (Auditorium)

National Immunisation Strategy - Julieanne Quaine, Immunisation Branch, Office of Health Protection, Australian Government Department of Health and Ageing
Conference Resolutions

Closing address by Prof Helen Keleher, PHAA President



Poster Abstracts

Posters will be displayed in the Exhibition Hall and presenters of the posters numbered between 1 to 25 will be available to discuss their posters on Tuesday 19 June, between 1.30 pm - 2.00 pm

Session 1 - Vaccine Preventable Diseases

1. **Early Childhood Services Staff Vaccination Program – Maroondah City Council** - [Corinne Bowen](#)
2. **Why risk NOT immunising? A simple message to parents who don't immunise.**
Presenter: [Jane Lucas-Banks](#) & [Bronwyn McLaren](#)
3. **Policies and procedures around staff influenza vaccination in Australian public hospitals**
Presenter: [Holly Seale](#)
4. **Parental attitudes to human papillomavirus infection and vaccination in immunosuppressed children** - [Holly Seale](#)
5. **Queensland Health Staff Influenza Vaccination Research Study 2011** - [Lisa Hall](#)
6. **Cold Chain Breach – a chilling experience** - [Rosemary Morey](#), [Michael Batchelor](#) & [Jenny Royle](#)
7. **New Arrival Refugee Immunisation Clinics (NARI) A Rural Perspective** - [Fiona Unger](#)
8. **'Communicate to vaccinate' (COMMVAC) project: building evidence for communication about childhood vaccinations** - [Natalie Willis](#)
9. **The First Immunisation Coalition in Australia- the journey so far** - [Martina Baker](#)
10. **Northern Territory Immunisation Register: Doing It for Ourselves** - [Sierra Wright](#)
11. **ADHERENCE TO SCHEDULING FOR PRIMARY NIP VACCINES- Are we giving all vaccines due at same time?** - [Wendy Bissinger](#)
12. **Re-modelling of oncology immunisation services** - [Leanne Philips](#)
13. **Maternal immunisation: What do pregnant women think?** - [Joanne Collins](#)
14. **Promoting Indigenous Preventive Care in General Practice** - [Sharon Horne](#), [Miriam Marrinan](#) & [Nancy Collins](#)
15. **Working together to increase uptake – School Vaccination Intervention** - [Salwa Gabriel](#) & [Caroline Scott](#)
16. **How do commonly administered childhood vaccines modulate the immune system?**
[Katie Flanagan](#)
17. **Join the Fight Against Cervical Cancer - A collaborative approach to resource development**
- [Sharron Murray](#)
18. **The value of overdue reporting in reducing the gap in the Wheatbelt** - [Anne Foyer](#)
19. **Investigation of an extensive Cold Chain Breach** - [Teresa McGorm](#) & [Penny Hutchinson](#)
20. **Catch up immunisations for hospital patients less than 8 years of age at a tertiary paediatric hospital** - [Kate Wall](#)
21. **Aboriginal Medical Services and Aboriginal Childhood Immunisation in New South Wales**
[Telphia-Leanne Joseph](#)
22. **Keeping it cold to the 300 islands in Fiji** - [Litiana Volavola](#)

- 23. **Uptake of pre-travel preventative health measures by university students** - [Anita Heywood](#)
- 24. **Exploring new frontiers for a strategic framework for National Nurse Immuniser Education**
[Sharon Gan](#)
- 25. **Analysis of Overdue Immunisations in a rural setting in Far North Qld** - [Rachel Bernays](#)

Poster Abstracts

Posters will be displayed in the Exhibition Hall and presenters of the posters numbered between 26 to 48 will be available to discuss their posters on Wednesday 20 June, between 1.30 pm - 2 pm

Session 2 - Immunisation Practices and Research

- 26. **Adolescents' & Parents' Shared Decision-Making about HPV Vaccination**
[Spring Cooper Robbins](#) & [Robyn Cree](#)
- 28. **Cost-effectiveness of pneumococcal conjugate vaccines for routine infant vaccination in Australia**
[Scott Williams](#)
- 29. **Estimating HPV cancer burden: current male and female vaccination cohorts** - [E Lynne Conway](#)
- 30. **Increasing HPV vaccination coverage: a multi-component pilot intervention in South Western Sydney's schools** - [Fiona Steele](#)
- 31. **The burden of pertussis in adults with and without ischaemic vascular events** - [Iman Ridda](#)
- 32. **Physician Perceptions And Practices Regarding Pneumococcal Vaccination Of U.S. Adults With Diabetes** - [Eddy A Bresnitz](#)
- 33. **Changes in chickenpox and shingles consultations since the introduction of varicella virus vaccine**
[Heath Kelly](#)
- 34. **Diarrhoea and All AEFI reported to SAEFVIC post introduction of rotavirus vaccines in Victoria from July 2007 to December 2011** - [Margie Danchin](#)
- 35. **Evaluation the Immunogenicity of Inactivated Trivalent Influenza Vaccine in Children who are on Cancer Therapy** - [Annemarie Naylor](#)
- 36. **Efficacy of cash incentives to improve hepatitis B vaccination outcomes among injecting drug users** - [Carolyn Day](#)
- 37. **Pneumococcal Conjugate Vaccine (PCV10) immunogenicity during chemotherapy for paediatric leukaemia** - [Nigel Crawford](#)
- 38. **Post-Licensure Safety and Effectiveness of Quadrivalent Human Papillomavirus Vaccine**
[Carlos A Sattler](#)
- 39. **What is the optimal injection technique for administering HPV vaccine?** - [Helen Petousis-Harris](#)
- 40. **Sociocultural methods in the process evaluation of hepatitis A vaccination program**
[Brendon Kelaher](#)

41. **Passive immunisation with normal human immunoglobulin: a review of current international practice** - [Megan Young](#)
42. **Measles transmission in health care waiting rooms: implications for public health response**
[Rowena Boyd](#)
43. **Systematic Reviews of Cross-protection of Trivalent Influenza Vaccines and of A(H1N1) pdm09 Vaccine Effectiveness** - [Leon Heron](#)
44. **Polio: paralysing the myth and exposing new threats** - [Linda Hobday](#)
45. **Impact of paediatric influenza vaccination program suspension on attitudes and behaviours**
[Paul V Effler](#)
46. **Pertussis at the Childrens Hospital, Westmead: a comparison of epidemics a decade apart (1997-99 and 2007-2011)** - [Sophie Hale](#)
47. **Timeliness Of Primary Dtpa Immunisation In Victoria, Australia In 2010** - [Wendy Bissinger](#)
48. **Introduction of Pneumococcal, Rotavirus and Human Papillomavirus Vaccines in Fiji**
[Frances Bingwor](#)