

A banner image for the ResHealth 2015 conference. It features a scenic view of a modern building complex, likely the Hilton Adelaide, situated on a waterfront. The sky is a mix of blue and orange, suggesting a sunset or sunrise. The water in the foreground reflects the sky and the building. A swan is visible in the water.

ResHealth 2015

1st International Respiratory and Sleep Medicine Conference

31st July- 3rd August

Organised by the Australian Respiratory and Sleep Medicine Institute (ARASMI)

Why is this Conference Unique?

ResHealth 2015 will focus on **translational research** linking basic research with clinical innovation in the treatment of respiratory and sleep disorders. It will deliver key information for current best medical practice. Plenary sessions will focus on state-of-the-art medical advances in respiratory and sleep medicine and will be delivered by key Australian and International Speakers.

Our **target audience** is advanced physician trainees and practicing respiratory and sleep specialists. Procedural simulation and quiz sessions will be of particular benefit for advanced trainees and young physicians. **ResHealth 2015** provides a unique opportunity for interaction between emerging and leading clinicians in Respiratory and Sleep Medicine.

Conference Venue

Hilton Adelaide, 233 Victoria Square, Adelaide SA 5000.

Key Dates

- Early bird registration closed: 30 June 2015
- Abstract submission closed: 30 June 2015
- Conference dates: 31 July - 3 August 2015

Registration Fees

EARLY BIRD REGISTRATION (CLOSED on 30 June 2015)

Full Registration (after 30 June 2015)	\$ 1,100.00
ARASMI Members	\$ 440.00

**All prices include GST*

Organising Committee



Dr Jeffrey Bowden, BMBS, PhD, FCCP, FRACP

Director, Department of Respiratory and Sleep Medicine, Southern Adelaide Local Health Network (Inc. Flinders Medical Centre, Repatriation General Hospital and Noarlunga Hospital); Senior Lecturer at Flinders University. Director of the Australian Respiratory and Sleep Medicine Institute (ARASMI).



Prof Eli Gabbay, MBBS, PhD, FRACP

Professor of Respiratory Medicine at The University of Notre Dame and Chair of Research at Notre Dame Medical School. Clinical Professor at The University of Western Australia Medical School and Associate Professor at Curtin University School of Physiotherapy. Head of the Advanced Lung Disease and Pulmonary Vascular Unit at the Lung Institute of Western Australia. Chair of the Australian Lung Foundation experts group on pulmonary vascular disease and interstitial lung disease and chair of the Heart and Lung Transplant Foundation of WA.



Dr Dimitar Sajkov, MD, MMSc, DSc, PhD, FCCP, FRACP

Founding Director and CEO of the Australian Respiratory and Sleep Medicine Institute (ARASMI). CHEST Global Governor for Australia. Director of Southern Sleep service in Adelaide. Senior Consultant, Department of Respiratory and Sleep Medicine, Southern Adelaide Local Health Network. Senior Lecturer at Flinders University.



Prof Nikolai Petrovsky, MBBS, PhD, FRACP

Professor of Medicine at Flinders University of South Australia. Director of Endocrinology at Flinders Medical Centre. Founder and Research Director of Vaxine Pty Ltd. Secretary-General of the International Immunomics Society. Main areas of research interest: immunoinformatics, vaccinology and autoimmune diseases. Active in translational research taking four novel vaccines from the lab to human clinical trials, including the world's first recombinant H1N1/2009 pandemic vaccine.



Dr Subash Heraganahally, MBBS, MD, FCCP, FRACP

Director, Department of Respiratory and Sleep Medicine, Royal Darwin Hospital. Director of Darwin Respiratory and Sleep Health Service. Lecturer at Flinders University in Adelaide, the NT Medical School, Charles Darwin University/Royal Darwin Hospital.

ResHealth 2015 - Advanced Program

Friday 31 July

- 10:00 – 16:00 Delegates' arrival
- 16:00 – 17:00 Annual Meeting of ARASMI members and election of office bearers
- 18:00 – 21:00 Welcome Reception

Saturday 1 August

- 09:00 – 10:30 **Plenary Session 1 – New Treatments in COPD**
Chairs: Dimitar Sajkov and Gary Anderson
- 09:00 – 09:30 Gary Anderson: Pharmacology of New Bronchodilator Inhalers
- 09:30 – 09:50 Jeff Bowden: New Inhaled Therapies – Is There a Difference?
- 09:50 – 10:20 Sarah Newhouse & Carissa Yap: Steroids in COPD – Benefits vs Risks
- 10:20 – 10:30 Questions and Panel Discussion
- 10:30 – 10:45 Coffee Break
- 10:45 – 12:15 **Plenary Session 2 – New Treatments for Pulmonary Hypertension and Thromboembolism**
Chairs: Jeff Bowden and Eli Gabbay
- 10:45 – 11:00 Dimitar Sajkov: Pulmonary Circulation in Health and Disease
- 11:00 – 11:20 Trevor Williams: Current Treatments for PAH – what is the evidence?
- 11:20 – 11:40 Eli Gabbay: New and Upcoming Treatments for Pulmonary Hypertension
- 11:40 – 12:00 Alex Gallus: New Treatments for Venous Thromboembolism
- 12:00 – 12:15 Questions and Panel Discussion
- 12:15 – 13:30 Networking Lunch and Poster Viewing
- 13:30 – 15:00 **Plenary Session 3 – Lung Cancer Early Diagnosis and New Treatments**
Chairs: Chris Karapetis and Jeff Bowden
- 13:30 – 14:00 Suhail Raoof: Management of Solitary Pulmonary Nodule
- 14:00 – 14:20 Ken Pittman: Targeted Therapies for Lung Cancer – what we have learned
- 14:20 – 14:40 Chris Karapetis: Immune Therapies for Lung Cancer
- 14:40 – 14:50 Questions and Panel Discussion
- 15:00 – 15:30 Coffee Break
- 15:30 – 17:00 **Plenary Session 4 – Respiratory Vaccines and Allergy**
Chairs: Nikolai Petrovsky and Bob Heddle
- 15:30 – 16:00 Nikolai Petrovsky: Latest Advances in Respiratory Vaccines
- 16:00 – 16:30 Bob Heddle: Asthma, Allergy, Anaphylaxis and Ants
- 16:30 – 16:50 David Gordon: Is Atypical Antibiotic Cover Necessary?
- 16:50 – 17:00 Questions and Panel Discussion
- 19:00 Dinner (different venues as per Industry Sponsors)

Sunday 2 August

09:00 – 10:30 **Plenary Session 5 – New Treatments in Asthma**

Chairs: Hubertus Jersmann and Bob Heddle

- 09:00 – 09:30 Gary Anderson: Science of Asthma – Base for Development of New Treatments
- 09:30 – 09:40 Chris Worsnop: Is SMART Enough?
- 09:40 – 10:00 Geraint Rogers: The Airway Microbiome – Implications for Asthma
- 10:00 – 10:20 Jeff Bowden: Zumabs and New Inhalers - Biologicals and Beyond
- 10:20 – 10:30 Questions and Panel Discussion

10:30 – 10:45 Coffee Break

10:45 – 12:15 **Plenary Session 6 – Diagnostic and Interventional Techniques**

Chairs: Anand Rose and Hubertus Jersmann

- 10:45 – 11:15 Hubertus Jersmann: Endobronchial Interventions and Thermoplasty
- 11:15 – 11:40 Dion Grosser: Endobronchial Valves
- 11:40 – 12:05 Anand Rose: Pleural Techniques and Ultrasound
- 12:05 – 12:15 Questions and Panel Discussion

12:15 – 13:30 Networking Lunch and poster viewing

13:30 – 15:00 **Plenary Session 7 - Pulmonary Fibrosis and Lung Transplantation Update**

Chairs: Trevor Williams and Jason D' Costa

- 13:30 – 14:00 Nicole Goh: Treatment Advances in Pulmonary Fibrosis
- 14:00 – 14:30 Trevor Williams: Lung Transplantation Update
- 14:30 – 14:50 David Currow: Management of Dyspnoea
- 14:50 – 15:00 Questions and Panel Discussion

15:00 – 15:30 Coffee Break

15:00 – 16:00 **Plenary Session 8 - Respiratory Clinico-Pathological Conference**

Presented by Advanced Trainees in Respiratory Medicine; pathology reviewed by Prof. Henderson

Chairs: Douglas Henderson and Jeff Bowden

- 15:00 – 15:15 Case 1: Young man with acute sepsis
- 15:15 – 15:30 Case 2: Cough with lung infiltrates
- 15:30 – 15:45 Case 3: A smoker with lung disease
- 15:45 – 16:00 Case 4: A case of pulmonary fibrosis

16:00 – 17:00 **Posters Discussion**

19:00 – 23:00 Conference Gala DINNER (HILTON Adelaide - \$111 per person)

Monday 3 August

09:00 – 10:00 Plenary Session 9 – Sleep and Non-invasive Ventilation (NIV)

Chairs: Dimitar Sajkov and Vinod Aiyappan

09:00 – 09:30 Suhail Raoof: Evidence-based Indications for Non-Invasive Ventilation

09:30 – 10:00 Carmel Harrington: The Importance of Sleep and Relationship to Metabolic Health

10:00 – 10:10 Questions and Panel Discussion

10:10 – 10:20 Coffee Break

10:20 – 11:20 Simulation Sessions

Advanced NIV (Sponsored by PHILIPS-Respironics and ResMed)

Pleural Ultrasound (Sponsored by Sonosite)

11:20 – 12:00 Specialist Practice Workshop

Les Jamieson: How to Start and Run Private Respiratory Practice

12:00 – 13:15 Networking Lunch

Departure after lunch

Keynote International Speaker



Prof. Suhail Raoof (Lenox Hill Hospital, Cornell University, NY, USA)
Chief of Pulmonary Medicine at Lenox Hill Hospital. Professor of Clinical Medicine at Weill Medical College of Cornell University and Professor of Medicine at North Shore-LIJ Hofstra School of Medicine and the author of numerous articles in the areas of pulmonary and critical care medicine, chest radiology and mechanical ventilation. Past President of the American College of Chest Physicians (CHEST) - the largest group of chest physicians in the world.

Topics: ***Management Approach to Solitary Pulmonary Nodule***
Evidence-based Indications for Non-Invasive Ventilation

Plenary Speakers



Prof. Gary Anderson (University of Melbourne, Victoria)
A tenured Professor and Director of the Centre for Lung Health Research. Gary's own research has centred on using genetic disease models to understanding molecular mechanisms of disease induction, progression, severity and exacerbation in asthma and COPD. As pharmacologist and immunologist he co-discovered the role of Fas in lung inflammation, IL-4 in immune biasing in asthma models and the bronchoprotective PAR receptor system in the airway epithelium.

Topics: ***Pharmacology of New Bronchodilator Inhalers***
Science of Asthma – Base for Development of New Treatments



Prof. Alexander Gallus (Flinders University, South Australia)
Professor of Haematology at Flinders University School of Medicine and the Director of Pathology Services at Flinders Medical Centre and the Repatriation General Hospital, Adelaide, Australia, with long-standing research involvement in the diagnosis, prevention and treatment of venous thrombosis and pulmonary embolism. His present research activities centre on international thrombosis treatment trials in collaboration with teams in Europe and North America.

Topic: ***New Pulmonary Thromboembolism Guidelines***



Prof. Eli Gabbay (University of Notre Dame, Western Australia)
Professor of Respiratory Medicine at The University of Notre Dame and Chair of Research. Clinical Professor at The University of Western Australia Medical School and Associate Professor at Curtin University School of Physiotherapy. Head of the Advanced Lung Disease and Pulmonary Vascular Unit at the Lung Institute of Western Australia. Chair of the Australian Lung Foundation experts group on pulmonary vascular disease and interstitial lung disease.

Topic: ***Pulmonary Hypertension – New Science, New Treatments***



Prof. Trevor Williams (Monash University, Melbourne, Victoria)
Clinical Director of the Department of Allergy, Immunology and Respiratory Medicine at the Alfred Hospital in Melbourne. Special interests in the area of severe lung diseases including lung transplantation, particularly immunopathology of chronic rejection, pulmonary hypertension, exercise limitation in severe lung disease and development of novel bronchoscopic approaches to emphysema.

Topics: ***Current Treatments for PAH – what is the evidence?***

Lung Transplantation Update



Prof. Nikolai Petrovsky (Flinders University, South Australia)
Professor of Medicine at Flinders University of South Australia. Director of Endocrinology at Flinders Medical Centre. Founder and Research Director of Vaxine Pty Ltd. Secretary-General of the International Immunomics Society. Main areas of research interest: immunoinformatics, vaccinology and autoimmune diseases. Active in translational research taking four novel vaccines from the lab to human clinical trials, including the world's first recombinant H1N1/2009 pandemic vaccine.

Topic: ***Latest Advances in Respiratory Vaccines and Vaccine Adjuvants***



Prof. David Currow (CEO of the Cancer Institute of NSW; Professor at Flinders University (SA) and an Honorary Professor of Sydney University and the University of Technology, Sydney, NSW)

David's career has been an exercise in commitment to improving the quality of care for people at the end of their lives. His impact is evident in policy and service development, research and teaching throughout Australia and the world. With more than 240 publications to his name, David was recently rated one of the top 10 most published palliative care researchers in the world.

Topic: ***Evidence-based approach in management of dyspnoea***



Prof. Robert (Bob) Heddle (University of Adelaide, South Australia)
Head of Clinical Immunology IMVS/RAH and Chief Pathologist, IMVS. Active in professional associations including roles as President of ASCIA, Specialty Advisory Board RACP, TSANZ Working Party on Omalizumab, ongoing roles as Convener of RCPA QAP in Allergy, Chairperson of SA IVIG Users' Group, and active roles in ASCIA Anaphylaxis Working Party, ASCIA Insect Allergy Working Party and MAC for Asthma SA.

Topic: ***Asthma, Allergy, Anaphylaxis and Ants***



Prof. David Gordon (Flinders University, South Australia)
Head of Microbiology and Infectious Diseases t. Chief Examiner in Microbiology for the Royal College of Pathologists from 2001-2006 and initiator of the joint Microbiology and Infectious Diseases training program with the College of Physicians. His research research interests include quality use of pathology, structural/ functional analysis of complement regulatory proteins and disease-associated polymorphisms, bacterial pathogenesis and clinical studies of vaccine adjuvants.

Topic: ***Is Atypical Antibiotic Cover necessary?***



Assoc. Prof. Chris Karapetis (Flinders University, South Australia)
Director of Clinical Research / Senior Consultant Medical Oncologist at Flinders Medical Centre. Extensive clinical experience and research interest in thoracic oncology. Principal investigator in several clinical trials in oncology.
Topic: ***Immune Therapies for Lung Cancer***



Assoc. Prof. Hubertus Jersmann (University of Adelaide, South Australia)
Senior Respiratory and Sleep Consultant at the Royal Adelaide Hospital with interest in interventional pulmonology. Teaching coordinator for Respiratory Medicine at the University of Adelaide.
Topic: ***Advanced Interventional Techniques in Pulmonology***



Assoc. Prof. Ken Pittman (University of Adelaide, South Australia)
Clinical Associate Professor within the Faculty of Medicine at the University of Adelaide. Visiting Medical Oncologist at Royal Adelaide Hospital, Calvary Hospital North Adelaide, Western Hospital Henley Beach and Whyalla Hospital. Member of several national cancer advisory boards. He is an active participant in student teaching, postgraduate education and clinical research.
Topic: ***Targeted Therapies for Lung Cancer – what we have learned***



Assoc. Prof. Geraint Rogers (SAHMRI & Flinders University, Adelaide, SA)
Director of Microbiome Research at the South Australian Health and Medical Research Institute (SAHMRI) Infection and Immunity Theme, and Associate Professor at the Flinders School of Medicine. Co-Convenor of the TSANZ Respiratory Infectious Disease Special Interest Group, Associate Editor of the Journal of Cystic Fibrosis. He has a longstanding research focus on complex microbial systems in chronic lung diseases, with present research activities centring on the use of microbiota profiling to personalise therapy.
Topic: ***The Airway Microbiome – Implications for Asthma***



Dr Carmel Harrington (University of Sydney, NSW)
Honorary Research Fellow, Westmead Hospital, Sydney. Director, Sleep for Health. A former lawyer and educator she has a PHD in Sleep Medicine from Sydney University and has written two books on Sleep. Carmel consults with companies and educational institutions both in Australia and overseas on sleep health.
Topic: ***The Importance of Sleep and Relationship to Metabolic Health***



Dr Nicole Goh (Austin Health and Alfred Health, VIC)

Completed her PhD at the Imperial College in London in 2008 and explored the prognostic markers in scleroderma lung. Her research interest is in Interstitial Lung Diseases (ILD), focussing on measures of improved quality of life. Member of the Steering Committee of the National Idiopathic Pulmonary Fibrosis (IPF) Registry. She has collaborations with the Australian Scleroderma Interest Group (ASIG). Nicole is the Chair of IBAS (Institute for Breathing and Sleep) Medical and Scientific Research Committee, and the Chair of the PIVOT (Pulmonary Interstitial Vascular Organisational Taskforce) group.

Topic: ***Treatment Advances in Pulmonary Fibrosis***



Dr Dion Grosser (University of Adelaide, South Australia)

Senior Respiratory and Sleep Physician at the Queen Elizabeth Hospital and Ashford Private Hospital. Extensive clinical experience in endobronchial interventions, ultrasound imaging of the thorax, and research interest in airways diseases. Specific interest in all areas of therapeutic bronchoscopy and pulmonary intervention including bronchoscopic lung volume reduction.

Topic: ***Endobronchial valves***



Dr Jeff Bowden (Flinders University, South Australia)

Director, Department of Respiratory and Sleep Medicine, Southern Adelaide Local Health Network (Inc. Flinders Medical Centre); Senior Lecturer at Flinders University. Medical Director at the Australian Respiratory and Sleep Medicine Institute (ARASMI).

Topics: ***Zumabs and New Inhalers - Biologicals and Beyond***
New Inhaled Therapies – Is There a Difference?



Dr Anand Rose (Flinders University, South Australia)

Senior Consultant, Department of Respiratory and Sleep Medicine, Southern Adelaide Local Health Network. Senior Lecturer at Flinders University. Special interest in interventional pulmonology, thoracic ultrasound and pulmonary thromboembolic disease.

Topic: ***Pleural Techniques and Ultrasound***



Dr Dimitar Sajkov (Flinders University, South Australia)

Founding Director and CEO of the Australian Respiratory and Sleep Medicine Institute (ARASMI). CHEST Global Governor for Australia. Director of Southern Sleep service in Adelaide. Senior Consultant, Department of Respiratory and Sleep Medicine, Southern Adelaide Local Health Network. Senior Lecturer at Flinders University. Wide research interest, including pulmonary hypertension, COPD, sleep apnoea and respiratory vaccines



Mr Leslie Jamieson (Adelaide Accounting Services Pty Ltd, South Australia)

Chartered accountant and Director of Adelaide Accounting Services. Extensive experience in planning and running specialist medical practises and taxation planning. Past experience in Australian Treasury, ATO auditor and accountancy consulting.

Topic: ***How to Start and Run Private Respiratory Practice***

Acknowledgement

Australian Respiratory and Sleep medicine Institute thanks the following sponsors for their support and contribution to the **ResHealth2015**.

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