

**ANZSRS 2007 ASM**  
**Provisional full program**  
**As at 5 March 2007**

<b>Friday 23 March</b>
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<b>1130-1230</b>	ANZSRS Registration Committee Meeting	<i>Executive Boardroom, Level 5</i>
<b>1300-1600</b>	ANZSRS Board Meeting	<i>Executive Boardroom, Level 5</i>
<b>1700-2000</b>	Registration desk opens	<i>Foyer, Level 5</i>
<b>1830-2030</b>	ANZSRS Welcome Reception <i>Sponsored by GlaxoSmithKline</i>	<i>Terrace, Level 7</i>

<b>Saturday 24 March</b>
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<b>0800-1700</b>	Registration desk open	<i>Foyer, Level 5</i>
<b>0800-0830</b>	<b>ANZSRS Governance Committee Meeting</b>	<i>Parnell Room, Level 4</i>
<b>0830-1030</b>	<b>Session 1</b>	<i>Auckland 4, Level 4</i>
<b>0830</b>	Official welcome Dr Graham Hall, President, ANZSRS	
<b>0845</b>	<b>Keynote Speaker</b> Chairs: Maureen Swanney & Paul Kelly LUNGS IN SPACE: PAST, PRESENT AND FUTURE Professor Kim Prisk, UCSD Department of Medicine, USA	
<b>0940</b>	<b>Guest Lecture</b> PERFORMANCE OF THE LUNG DURING HYPOBARIA A/Professor Matthew Peters, CRGH, NSW	
<b>1030-1100</b>	Morning Tea and Trade Exhibition	<i>Exhibition Area, Level 5</i>
<b>1100-1230</b>	<b>Session 2</b>	<i>Auckland 4, Level 4</i>
	Chairs: Lauren Wallace & David Parsons	
<b>1100</b>	<b>Guest Lecture</b> THE HYPERBARIC ENVIRONMENT I: LUNG MECHANICS AND PHYSIOLOGY DURING HYPERBARIA Dr Andy Veale, Mercy Specialist Centre, New Zealand	
<b>1145</b>	<b>Guest Lecture</b> THE HYPERBARIC ENVIRONMENT II Dr Simon Mitchell, Auckland Hospital, New Zealand	
<b>1230-1330</b>	Lunch and Trade Exhibition	<i>Exhibition Area, Level 5</i>
<b>1330-1500</b>	<b>Session 3: Oral Presentations 1</b>	<i>Auckland 4, Level 4</i>
	Chairs: Jeff Pretto & John McLachlan	
<b>1330</b>	<b>AO01</b> ACCURACY OF PULSE OXIMETERS AND THE INFLUENCE OF SENSOR TYPE IN INDUCED HYPOXIA Danny Brazzale	
<b>1345</b>	<b>AO02</b> RESPONSES TO METHACHOLINE AND EUCAPNIC VOLUNTARY HYPERPNEA IN RELATION TO BASELINE LUNG FUNCTION Jeni Norval	
<b>1400</b>	<b>AO03</b> THORACO-ABDOMINAL DISTENSION FOLLOWING GLOSSOPHARYNGEAL BREATHING USING OPTICAL REFLECTANCE MOTION ANALYSIS Peter Rogers	

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- 1415      **A004** THE ASSESSMENT OF MUCOCILIARY TRANSPORT USING NEAR-  
 INFRARED LIGHT SCATTERING IN OVINE MODELS IN VITRO AND IN VIVO  
 Stanislav Tatkov
- 1430      **A005** BODY PLETHYSMOGRAPHY - WHEN TO PANT?  
 Catherine Walsh
- 1445      **A006** IMAGING AIRWAY SURFACES NON-INVASIVELY AT HIGH RESOLUTION:  
 NEW OPTIONS FOR LIVE-ANIMAL IMAGING AND MICRO-CT WITH  
 SYNCHROTRON X-RAY  
 David Parsons
- 1500-1530**      Afternoon Tea and Trade Exhibition      *Exhibition Area, Level 5*
- 1530-1620**      **Session 4**      *Auckland 4, Level 4*  
**Chairs: Josh Stanton & David Schembri**
- 1530**      THE FIRST BREATH: THE MECHANICAL CHALLENGES FACED BY THE  
 NEONATAL LUNG IN TRANSITIONING FROM LIQUID TO AIR BREATHING  
 Dr Kevin Ellyett, Green Lane Clinical Centre, New Zealand
- 1550**      THE LAST BREATH: THE RESPIRATORY SYSTEM IN EXTREMIS  
 Mr Peter Rogers, CRGH, NSW
- 1610**      Questions
- 1620-1645**      ANZSRS AGM      *Auckland 4, Level 4*
- 1900**      **ANZSRS Conference Dinner**  
 - midnight      *Sponsored by Mayo Healthcare*

<b>Sunday 25 March</b>
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- 0900-1030**      **Session 5**      *Auckland 4, Level 4*  
**Chairs: Bruce Thompson & Peter Rochford**
- 0900**      Introduction
- 0905**      **Keynote Speaker**  
 BLOOD FLOW, VENTILATION AND GAS EXCHANGE: DOES GRAVITY MATTER?  
 Professor Kim Prisk, UCSD Department of Medicine, USA
- 0950**      **Guest Lecture**  
 PATHOPHYSIOLOGICAL RESPONSES IN THE AIRWAYS FOLLOWING  
 EXPOSURE TO EXTREME TEMPERATURE?  
 Dr Sandra Anderson, Royal Prince Alfred Hospital, NSW
- 1030-1100**      Morning Tea and Trade Exhibition      *Exhibition Area, Level 5*
- 1030-1230**      **Poster Session**      *Auckland 4, Level 4*  
**1100-1130**      **Poster manning**  
**1130-1230**      **Poster discussion**  
**Chairs: Kim Prisk & Debbie Burton**
- AP01**      ADIPOSITY, ASTHMA AND AIRWAY INFLAMMATION  
 Christene McLachlan
- AP02**      LUNG VOLUMES AND GAS TRANSFER ARE NORMAL IN A HEALTHY COHORT  
 WITH SEVERE OBESITY  
 Paul Guy

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- AP03** ESTIMATION OF STATIC LUNG VOLUMES BY LINKED AND UNLINKED SPIROMETRY  
Dinali Devasagayam
- AP04** ALVEOLAR VOLUME IS A POOR ESTIMATE OF TLC  
Lauren Wallace
- AP05** THE EFFECT OF DEAD SPACE ON DIFFUSING CAPACITY MEASUREMENT  
Sonya Johnston
- AP06** MULTI-RULE QUALITY CONTROL METHODOLOGY IN RESPIRATORY LABORATORY BIOLOGICAL DATA  
Josh Stanton
- AP07** THE REPEATABILITY OF COMPREHENSIVE LUNG FUNCTION TESTING WITHIN AND BETWEEN LABORATORIES  
Richard Wood-Baker
- AP08** BEST PRE-SCHOOL AND ADULT EQUATIONS TO USE WITH HIBBERT PAEDIATRIC REFERENCE EQUATIONS  
Margaret McElrea
- AP09** TECHNICAL ACCEPTABILITY AND COMPLIANCE IN THE USE OF DAILY ELECTRONIC PEF/FEV1 METERS IN CHILDREN WITH ASTHMA  
Vlaska Stavreska
- AP10** THE RELATIONSHIP BETWEEN FOT & SPIROMETRY IN COPD, ASTHMA AND BRONCHIECTASIS  
Robin Schoeffel
- AP11** RASH AND REACTION-BILATERAL PHRENIC NEUROPATHY FOLLOWING VARICELLA INFECTION  
Barbara Karet
- AP12** VIBRATORY CHARACTERISTICS OF THREE HANDHELD AIRWAY CLEARANCE DEVICES  
Carl Okeson
- AP13** DRUG DELIVERY PERFORMANCE OF A DISPOSABLE PAPERBOARD HOLDING CHAMBER VERSUS TWO PLASTIC HOLDING CHAMBERS  
Carl Okeson
- AP14** COMPUTATIONAL MODEL OF AIRWAY SURFACE LIQUID REGULATION  
Nicholas Warren
- AP15** COMPUTATIONAL MODELLING OF REGIONAL GAS EXCHANGE IN THE LUNG  
Annalisa Swan
- 1230-1330** Lunch and Trade Exhibition ***Exhibition Area, Level 5***
- 1330-1500** **Oral Presentations 2** ***Auckland 4, Level 4***  
 Chairs: Sally Young & Derek Figurski
- 1330 **AO07** SPIROMETRIC DIAGNOSIS OF OBSTRUCTION SHOULD USE THE LOWER LIMIT OF THE PREDICTED EQUATION  
Maureen Swanney
- 1345 **AO08** PULMONARY FUNCTION REFERENCE VALUES FOR ADULTS: A CORRECTION FACTOR FOR ASIANS MAY BE UNNECESSARY  
Nicole Leonardis

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1400	<b>AO09</b> A CLASSIFICATION PATHWAY FOR OBSTRUCTION IS NOT VALID Brigitte Borg	
1415	<b>AO10</b> WARM HUMID AIR CAUSES A LONG TERM EFFECT ON TEMPERATURE IN THE NASAL MUCOSA AND NEARBY SKIN Stanislav Tatkov	
1430	<b>AO11</b> INTEGRATED MATHEMATICAL MODELS OF RESPIRATION IN MAMMALS Alona Ben-Tal	
1445	<b>AO12</b> BILATERAL MEASUREMENT OF SNIFF INSPIRATORY MUSCLE PRESSURE Brenton Eckert	
<b>1500-1530</b>	Afternoon Tea and Trade Exhibition	<b><i>Exhibition Area, Level 5</i></b>
<b>1530-1630</b>	Prizes and close of ANZSRS session Graham Hall, President, ANZSRS	<b><i>Auckland 4, Level 4</i></b>
<b>1630-1730</b>	<b>ANZSRS SCC Meeting</b>	<b><i>Parnell Room, Level 4</i></b>

<b>Monday 26 March</b>
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<b>0900 – 1230</b>	<b>Research Workshop</b>	<b><i>Auckland 3, Level 4</i></b>
<b>0900</b>	ASKING THE QUESTION I: RECOGNISING THE POTENTIAL FOR LABORATORY BASED RESEARCH Graham Hall, President, ANZSRS	
<b>0945</b>	ASKING THE QUESTION II: IS THE ANSWER ALREADY THERE - HOW TO CONDUCT A LITERATURE SEARCH Kevin Gain, WA	
<b>1030</b>	Morning Tea	<b><i>Exhibition Area, Level 5</i></b>
<b>1030</b>	ANSWERING THE QUESTION I: DESIGNING A RESEARCH PROTOCOL - THE DOS AND DON'TS David Parsons	
<b>1115</b>	ANSWERING THE QUESTION II: CASE PRESENTATION, DISCUSSION AND CLOSING REMARKS Graham Hall, Kevin Gain and David Parsons	
<b>0900 – 1230</b>	<b>CRFS PHYSIOLOGY REVIEW WORKSHOP: THE AIRWAYS - FROM END TO END</b>	<b><i>Auckland 4, Level 4</i></b>
0900	INTRODUCTION: The CRFS Exam Peter Rochford, VIC	
0910	AIRWAY ANATOMY AND AIRFLOW DYNAMICS Danny Brazzale, VIC	
0950	TESTS OF AIRWAY FUNCTION Peter Rogers, NSW	
1030	Morning Tea	<b><i>Exhibition Area, Level 5</i></b>
1100	PHARMACOTHERAPY Brigitte Borg, VIC	
1145	INTERPRETATION OF AIRWAY FUNCTION TESTS Jeff Pretto, VIC	

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<b>1230 - 1330</b>	<b>Lunch and Trade Exhibition</b>	<b><i>Exhibition Area, Level 5</i></b>
<b>1330 – 1500</b>	<b>Combined ANZSRS/TSANZ Symposium</b>	<b><i>Auckland 1, Level 4</i></b>
	<b>The Future of Lung Imaging and Modelling - Understanding Complexity</b>	
	Chairs: Greg King, NSW & David Milne, NZ	
1330	GRAVITY AND PULMONARY BLOOD FLOW: CHALLENGING THE CONVENTIONAL WISDOM WITH IMAGING	
	Professor Kim Prisk, UCSD Department of Medicine, USA	
1400	UNDERSTANDING VARIABILITY IN VENTILATION AND PERFUSION USING PREDICTIVE IMAGING-BASED MODELS OF THE LUNG	
	Dr Merryn Tawhai, University of Auckland, New Zealand	
1430	NEW HORIZONS IN LUNG IMAGING	
	Dr Geoff McLennan, University of Iowa Hospitals & Clinics, USA	
	<b><i>[Dr McLennan's participation funded by Fisher &amp; Paykel]</i></b>	
<b>1500 – 1530</b>	<b>Afternoon Tea &amp; Exhibition</b>	<b><i>Exhibition Area, Level 5</i></b>
<b>1530 - 1700</b>	<b>Joint ANZSRS/TSANZ Session: DLCO Physiology Masterclass</b>	<b><i>Auckland 1, Level 4</i></b>
	Chairs: Bruce Thompson & Greg King	
1530	BACK TO SCHOOL: PHYSIOLOGICAL UNDERPINNINGS OF THE DLCO	
	Professor Kim Prisk, UCSD Department of Medicine, USA	
1600	DLCO METHODOLOGY - STATE OF THE ART	
	Dr Bruce Thompson, The Alfred Hospital, VIC	
1630	INTERPRETING THE DLCO	
	A/Professor Iven Young, Royal Prince Alfred Hospital, NSW	
1700	Close of combined ANZSRS/TSANZ session	
	Dr Graham Hall	