

ANZSRS 2007 ASM
Provisional full program
As at 5 March 2007

Friday 23 March

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

Saturday 24 March

0800-1700	Registration desk open	<i>Foyer, Level 5</i>
0800-0830	ANZSRS Governance Committee Meeting	<i>Parnell Room, Level 4</i>
0830-1030	Session 1	<i>Auckland 4, Level 4</i>
0830	Official welcome Dr Graham Hall, President, ANZSRS	
0845	Keynote Speaker Chairs: Maureen Swanney & Paul Kelly LUNGS IN SPACE: PAST, PRESENT AND FUTURE Professor Kim Prisk, UCSD Department of Medicine, USA	
0940	Guest Lecture PERFORMANCE OF THE LUNG DURING HYPOBARIA A/Professor Matthew Peters, CRGH, NSW	
1030-1100	Morning Tea and Trade Exhibition	<i>Exhibition Area, Level 5</i>
1100-1230	Session 2	<i>Auckland 4, Level 4</i>
1100	Chairs: Lauren Wallace & David Parsons Guest Lecture THE HYPERBARIC ENVIRONMENT I: LUNG MECHANICS AND PHYSIOLOGY DURING HYPERBARIA Dr Andy Veale, Mercy Specialist Centre, New Zealand	
1145	Guest Lecture THE HYPERBARIC ENVIRONMENT II Dr Simon Mitchell, Auckland Hospital, New Zealand	
1230-1330	Lunch and Trade Exhibition	<i>Exhibition Area, Level 5</i>
1330-1500	Session 3: Oral Presentations 1	<i>Auckland 4, Level 4</i>
1330	Chairs: Jeff Pretto & John McLachlan A001 ACCURACY OF PULSE OXIMETERS AND THE INFLUENCE OF SENSOR TYPE IN INDUCED HYPOXIA Danny Brazzale	
1345	A002 RESPONSES TO METHACHOLINE AND EUCAPNIC VOLUNTARY HYPERPNEA IN RELATION TO BASELINE LUNG FUNCTION Jeni Norval	
1400	A003 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*

Sunday 25 March

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

Monday 26 March

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

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1230 - 1330	Lunch and Trade Exhibition	<i>Exhibition Area, Level 5</i>
1330 – 1500	Combined ANZSRS/TSANZ Symposium	<i>Auckland 1, Level 4</i>
	The Future of Lung Imaging and Modelling - Understanding Complexity	
	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	
	<i>[Dr McLennan's participation funded by Fisher & Paykel]</i>	
1500 – 1530	Afternoon Tea & Exhibition	<i>Exhibition Area, Level 5</i>
1530 - 1700	Joint ANZSRS/TSANZ Session: DLCO Physiology Masterclass	<i>Auckland 1, Level 4</i>
	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	