

## CURRICULUM VITAE

Bruce William Stanley ROBINSON

### 1. PERSONAL DETAILS

DATE OF BIRTH: 2 June 1950  
PLACE OF BIRTH: Perth, Western Australia  
NATIONALITY: Australian  
CIVIL STATUS: Married: Jacqueline Spencer (nee Pocock)  
Children: Simon Andrew DOB: 16.8.81  
Scott Benjamin DOB: 27.9.84  
Amy Jean DOB: 29.3.88

#### ADDRESSES:

Work: School of Medicine & Pharmacology  
University of Western Australia, M503  
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### 2. EDUCATION/SCHOLARSHIPS/AWARDS

#### 2.1 Educational Qualifications:

<u>Matriculation</u>	1967	Perth, Western Australia (5 distinctions)
<u>MBBS</u>	1974	University of Western Australia
<u>DTM&amp;H</u>	1976	University of Liverpool (School of Tropical Medicine)
<u>MRCP</u>	1977	Royal College of Physicians (United Kingdom)
<u>FRACP</u>	1981	Royal Australasian College of Physicians
<u>FCCP</u>	1987	American College of Chest Physicians
<u>MD</u>	1987	University of Western Australia
<u>FRCP</u>	1995	Royal College of Physicians (UK)

Languages spoken - English, Indonesian, French, Tok Pisin and Italian

#### 2.2 Awards

Western Australian of the Year 2013.

Winner, Business and Professions Category, Western Australian of the Year Awards, 2013.

Member of the Order of Australia (General Division), Australia Day Honours List, 2013, for significant service to medicine in the area of research into asbestos-related cancers, and to the community, particularly through support to fathers.

The Ernst & Young Entrepreneur of the Year Award, 2011, for the International Skills and Training Institute in Health (ISTIH).

The Australian Medical Association Award, 2010, for outstanding contributions to a variety of fields of medicine.

The Research Medal of the Thoracic Society of Australia and New Zealand, March 2007. This Award is made in recognition of outstanding contributions to scientific research.

The Premier's Science Award, Western Australia, 2004. Presented to the individual chosen by the Premier's Science Council for their achievements and leadership in science.

The Wagner Medal, 2004. An award made every second year by the committee of the International Mesothelioma Interest Group and presented at their International Conference to the individual who is judged to have made the leading contribution to mesothelioma research over a number of years. The Gordon Ada Oration, Australasian Society for Immunology, Tumour Immunology Workshop, December 2004.

The Teacher of the Year award, 1999, The University of Western Australia, School of Medicine (selected by the medical student body).

The Excellence in Teaching award, 1997, The University of Western Australia, Faculty of Medicine & Dentistry.

The Eric G Saint Award, 1996, for contributions to research into asbestos-related diseases.

The Teacher of the Year award, 1990, The University of Western Australia, School of Medicine (selected by the medical student body).

The Young Investigator Award of the Thoracic Society of Australia, 1986, for 'The most outstanding scientific work by an investigator under 36 years of age'.

#### Scholarships/Fellowships awarded:

NH & MRC Special Training Fellowship 1986

NH & MRC Applied Health Sciences Fellowship 1983-1985

Royal Australasian College of Physicians Overseas Fellowship 1982

Saw Medical Research Fellowship 1982

Commonwealth University Scholarship 1968-1973

Commonwealth Secondary Scholarship 1964-1967

### 3. EXPERIENCE

1995-present	Professor of Medicine Department of Medicine, The University of Western Australia Sir Charles Gairdner Hospital, Perth, Western Australia.
1984-present	Consultant Physician Department of Respiratory Medicine (plus General Medicine 1988-1997) Sir Charles Gairdner Hospital, Perth, Western Australia.
2007-present	Director, National Research Centre for Asbestos Related Diseases (NCARD) The University of Western Australia, Perth Western, Australia
1996-2001	Director, Office of Research Development Sir Charles Gairdner Hospital, Perth, Western Australia.
1997-1999	Director, Institute for Advanced Medical Research The University of Western Australia
1991-1994	Associate Professor of Medicine Department of Medicine, The University of Western Australia Sir Charles Gairdner Hospital, Perth, Western Australia
1992	Sabbatical Leave c/-Professor J Lamb Department of Immunology, St Mary's Hospital Medical School London, United Kingdom.
1988-1990	Senior Lecturer in Medicine Department of Medicine, The University of Western Australia
1984-1987	Research Fellow Department of Medicine, The University of Western Australia
1982-1984	Guest Worker, Pulmonary Branch and Physician-in-Charge (on rotation) Clinical Service, Pulmonary Branch Clinical Center, National Institutes of Health Bethesda, Maryland, United States of America
1979-1981	Medical Registrar/Senior Registrar General Medicine, Endocrinology, Renal Medicine, Respiratory Medicine and Postgraduate Medical Education. Sir Charles Gairdner Hospital, Perth, Western Australia

1977-1978	Senior Registrar General Medicine, Geriatrics Guy's Hospital, London, United Kingdom.
1976-1977	Medical Registrar/Medical Assistant Chest Medicine, General Medicine Southend Hospital, Southend, Essex, United Kingdom. Full time course in Tropical Medicine and Hygiene September - December, 1976. University of Liverpool.
1974-1975	Resident Medical Officer Royal Perth Hospital, Western Australia. General Medicine, Cardiology, Rheumatology, Neurology, Anaesthetics, Neurosurgery, Casualty, General Surgery term in Papua New Guinea.

#### 4. PROFESSIONAL/ADMINISTRATIVE

##### 4.1 Membership of Professional Societies

###### Australian

Thoracic Society of Australia and New Zealand  
 Australian Society for Immunology  
 Royal Australasian College of Physicians  
 Clinical Oncology Society of Australia  
 Cancer Research Association of Western Australia  
 Australian Cytokine Research Association  
 Cell Biology/Immunology Special Interest Group, Thoracic Society of Australia and New Zealand  
 Cancer Foundation of Western Australia  
 Australasian Gene Therapy Society  
 Australian Lung Foundation

###### International

American Thoracic Society  
 American College of Chest Physicians  
 International Academy of Chest Physicians and Surgeons  
 American Association for Cancer Research  
 American Association of Immunologists  
 International Society for Interferon and Cytokine Research  
 International Association for the Study of Lung Cancer  
 Royal College of Physicians (United Kingdom)  
 British Thoracic Society  
 British Society for Immunology  
 International Mesothelioma Interest Group

###### Associated Medical Organisations

Christian Medical and Dental Fellowship  
 Medical Association for the Prevention of War  
 Amnesty International (Medical)

###### Other professional group

Mensa

##### 4.2 Administrative Committees

###### Current

Director, National Centre for Asbestos Related Diseases (NCARD). 2007 -  
 Director, The Fathering Project. 2007 -

Chairman, State Health Research Advisory Council. 2005-  
Director, International Skills and Training Institute in Health (ISTIH). 2005 -  
Lung Cancer Consultative Group, Australian Lung Foundation. 2001-  
Lung Cancer Group, WACOG. 2000 -  
Member, Senior Faculty, Western Australian Institute for Medical Research (WAIMR). 1998 -  
Board Member, Keogh Institute for Medical Research, 1996 -  
Convenor, Cell Biology and Immunology Special Interest Group, Thoracic Society of Australia and  
New Zealand. 1990 -  
Member, University Department of Medicine Academic Staff. 1988 -  
Member, Department of Respiratory Medicine Consultant Staff Committee. 1984 -

#### Past

NHMRC Research Committee 2003-2006.  
Australian Cancer Foundation for Medical Research, Medical Research Advisory Committee.  
1993-2007.  
Chairman, NHMRC Asbestos Working Party 2002-2003.  
Member, Executive Board, WA Institute for Medical Research, 1997-2001.  
Member, Board of Directors, WA Institute for Medical Research, 1997-2001.  
Sir Charles Gairdner Hospital Research Advisory Committee, 1996-2001.  
Sir Charles Gairdner Hospital Site Committee, 1996-2001.  
UWA Faculty Appeals Committee 1993-2001.  
PMH Postgraduate Fellowships Committee 1993-2000.  
Member of the Division of Dentistry and Medicine Bachelor of Medical Science working party 1991-  
2000.  
International Advisory Committee for the Annual International Meeting, American Thoracic Society  
1991-1999.  
NH&MRC Regional Grants Interview Committee, 1998.  
Member of the Division of Dentistry and Medicine Equipment Advisory Committee 1991-1998.  
Member of Postgraduate Medical Education Committee of the Sir Charles Gairdner Hospital 1981,  
1991-1998.  
Head of University Department of Medicine, Queen Elizabeth II Medical Centre Unit, 1996.  
Member, Department of General Medicine, 1988-1996.  
Member, Clinical Oncology Society of Australia Planning Committee for 1989/1993 Annual Scientific  
Meeting.  
UWA delegate to the Australian Medical Council National Workshop on Competency-based Skills  
Assessment in Medicine 1991.  
Programme Committee, Australian Society for Immunology Annual Scientific Meeting for 1991.  
Education subcommittee, Thoracic Society of Australia and New Zealand 1988-1991.  
Member, Medical and Scientific Advisory Committee, Asbestos Diseases Research Foundation 1989.  
Immediate Past President, Cancer Research Association of WA 1989.  
Lung Cancer Subgroup, Clinical Oncology Society of Australia. 1988-89.  
Inaugural President, Cancer Research Association of WA, 1988.  
Secretary of the Christian Medical Fellowship of Western Australia 1981.  
Member of the University of Western Australia Graduate Medical Association Executive (Secretary  
1979/80, Committee member 1981).  
Editor of Graduate Medical Bulletin, UWA School of Medicine, 1973, 1979, 1980.

#### 4.3 External Journal Review Panels

American Journal of Respiratory and Critical Care Medicine  
American Journal of Respiratory Cell and Molecular Biology  
Immunology and Cell Biology  
Australian and New Zealand Journal of Medicine  
Journal of Laboratory and Clinical Medicine  
Journal of Allergy and Clinical Immunology

Thorax  
Journal of Immunology  
Nature Medicine  
Nature Immunology  
International Journal of Cancer  
Journal of Clinical Pathology

#### 4.4 Professional Research Body Peer Review Panels

National Health and Medical Research Council of Australia

- Project grants review panel 1985-
- Australian Fellowship Review Panel 2010
- Program Grants committee/interview panels 2003-2007
- Research Committee Member 2002-2006
- Clinical Research Advisory Group 2002-2006
- Regional Grants Interview Panel 1998

WA Telethon Foundation

Cancer Foundation of South Australia

Royal Adelaide Hospital Research Foundation

Cancer Foundation of Victoria

Thoracic Society of Australia and New Zealand

Adelaide Children's Hospital Research Foundation

Australian Cancer Foundation for Medical Research

WA Institute for Medical Research

Foundation for Advanced Medical Research

Member of the University of Western Australia Graduate Medical Association Executive (Secretary 1979/80, Committee member 1981). Editor, Graduate Medical Bulletin 1980, 1981.

#### 5. INTERESTS

##### Additional Medical Interests

Communication skills in medicine

Medical Ethics

Tropical Medicine and Public Health

##### Other interests

Football (Australian Rules)

University Football Club from 1968.

Selected in All-Australian Interschool Football Team, 1972 and 1973.

Reserves and League Football, Swan Districts Football Club, 1974.

Life Time Social Member, Swan Districts Football Club

Coach, University A-grade Colts Football Team (1981, 1985, 1986, 1987), Head Coach and A-grade Coach (1988, 1989). 3 premierships.

Clubman of the Year 1987.

Life member from 1989.

Member, Australian Coaching Association

Cricket

Played with Bassendean-Bayswater, University and Nedlands (Western Australia), Goroka (Papua New Guinea) and Southchurch (United Kingdom) Cricket Clubs.

Member, Western Australian Cricket Association.

Also windsurfing, music, hiking, computing and kayaking.

## 6. PUBLICATIONS

### 6.1 Published Books

1. Kradin RL, Robinson BWS. Immunopathology of Lung Disease. Butterworth-Heinemann, Boston. 1996. [ISBN: 0-7506-9282-0].
2. Robinson BWS, Chahinian P. Mesothelioma. Martin Dunitz. 2002. [ISBN:9-05823-180-1].
3. Robinson BWS. Fathering from the Fast Lane. Finch Publishing, Sydney. 2002. [ISBN:1-876451-21-1].
4. Robinson, Bruce. The Blue Book of Tips for Fathers and Father Figures. 2007. MACSIS Publishing, Perth. [ISBN 978-0-9805134-1-7].
5. Robinson, Bruce. Daughters and their Dads. 2008. MACSIS Publishing, Perth. [ISBN 978-0-9805134-0-0]
6. Robinson, Bruce. Fathering in the UK. MACSIS Publishing, Perth 2013. E-book
7. Robinson, Bruce. Dads Down Under. MACSIS Publishing, Perth 2013. E-book
8. Robinson, Bruce. FatheringUSA. MACSIS Publishing, Perth 2013. E-book

### 6.2 Published Case Reports and Letters

1. Robinson BWS. Henoch-Schonlein purpura due to food sensitivity. Br Med J 1977; 1: 510-511.
2. Robinson BWS, Corless D. Spurious polycythaemia resolving during observation. Br Med J 1978; 2: 280.
3. Robinson BWS. Medical screening of old people. The Lancet 1978; 2: 532.
4. Robinson BWS. Death from asthma. Med J Aust 1980; 1: 144.
5. Robinson BWS, Joske RA. Familial Mediterranean fever in Australia. Med J Aust 1980; 1: 494.
6. Robinson BWS. Bone-scanning in hypertrophic osteoarthropathy. Thorax 1980; 35:960.
7. Robinson BWS. Lewis RR. Myocardial metastasis from carcinoma of the pancreas presenting as acute myocardial infarction. Proc Roy Soc Med 1982; 75: 560-562.
8. Robinson BWS. Doctor in pain-learning as a patient. Med J Aust 1992;156:669.
9. Lee YC, Chew GT, Robinson BWS. Pulmonary and meningeal cryptococcosis in pulmonary alveolar proteinosis. Aust NZ J Med 1999, 29(6):843-4.
10. Robinson BWS, Lake RA. Malignant mesothelioma-reply. New England Journal of Medicine 354 (3):306-307 Jan 19 2006.
11. Takaro, TK, Davis D, Van Rensburg SJ, Robinson BW et al. Scientists appeal to Quebec Premier Charest to stop exporting asbestos to the developing world. Int J Occup Environ Health. 2010 Apr-Jun ; 16 (2) : 241-8.

### 6.3. Book Chapters

1. Robinson BWS, Manning LS, Bowman RV, Whitaker D, Flexman J, Musk AW. Malignant mesothelioma: studies of immunological anti-cancer processes. In G Peters, Ed. Source Book on Asbestos Diseases; Vol 4, Asbestos Medical Research, chap 5. 1989. Garland Publishing Inc, New York. 153-172.
2. Robinson BWS, Rose AH, Hayes A, Bowman RV, Musk AW. Evaluation of pulmonary inflammatory processes in asbestos-exposed individuals. In G Peters, Ed. Source Book on Asbestos Diseases; Vol 4, Asbestos Medical Research, 1989. chap. 9 Garland Publishing Inc, New York. 277-296.
3. Robinson BWS, Manning LS, Bowman RV, Whitaker D, Flexman J, Musk AW. Malignant mesothelioma: studies of immunological anti-cancer processes. In "Asbestos Diseases Update", Chap. 4. Garland Publishing Inc, New York, 1989.
4. Robinson BWS, Rose AH, Hayes A, Bowman RV, Musk AW. Pulmonary inflammation in asbestos-exposed individuals. In "Asbestos Diseases Update", Chap 1. Garland Publishing Inc, New York, 1989.

5. Robinson BWS, Manning LS, Christmas TI, Bowman RV, Davis MR, Musk AW. Immunotherapy of malignant mesothelioma: Studies using IL2/LAK cells and interferon alpha 2a. In Hersey P Ed. Biological Agents in the Treatment of Cancer. New South Wales Government Printing Office, Sydney, 1990; 414-423.
6. Whitaker DW, Manning LS, Robinson BWS, Shilkin K. The pathobiology of the mesothelium. In Henderson DW, Shilkin K, Langlois S, Whitaker D eds. Malignant Mesothelioma. 1992. Hemisphere Publishing Corp. New York. 25-68
7. Manning LS, Rose, AH, Bowman RV, Christmas TI, Garlepp MJ, Robinson BWS. Immune function related to asbestos exposure and mesothelioma, and immunotherapy of mesothelioma. In Henderson DW, Shilkin K, Langlois S, Whitaker D, eds. Malignant Mesothelioma. 1992. Hemisphere Publishing Corp. New York. 278-291.
8. Garlepp MJ, Fitzpatrick D, Mutsaers S, Bielefeldt-Ohmann H, David M, Robinson BWS Mesothelioma: recent studies of growth regulation. In G Peters (ed): Sourcebook on Asbestos Diseases; vol 8, 1993 Garland publishing Inc, New York. 201-218.
9. Upham J, Musk AW, Robinson BWS. Mesothelioma: new therapeutic approaches. In G Peters (ed): Sourcebook on Asbestos Diseases; vol 8, 1993 Garland publishing Inc, New York. 191-200.
10. Robinson BWS. Immunobiology and immunotherapy of malignant mesothelioma. In: Mesothelial Cell and Mesothelioma, J Bignon, MC Jaurand (eds). Lung Biology in Health and Disease, Volume 78. New York 1994; 253-266.
11. Robinson BWS. Cell reactions and inflammation. In Rylander R, Jacobs RR, eds. Handbook on Organic Dusts. 1994, CRC Press, Boca Raton Florida, 95-107.
12. Robinson BWS, Garlepp MJ, Scott B. Mesothelioma. In Crystal RG, West JB. Eds. The Lung: Scientific Foundations, Second Edition, 1995. Raven Press, New York 2599-2610.
13. Garlepp MJ, Davidson JA, Leong CC, Robinson BWS Gene therapy of malignant mesothelioma. In: The internet book of gene therapy: cancer therapeutics. Eds. Sobol RE, Scanlon KJ, Appleton & Lange, Norwalk, CT, pp 257-268, 1995.
14. Davidson JA, Robinson BWS. Mesothelioma. Stuart-Harris R, Penny R eds. In: The Clinical Applications of the Interferons, 1995:225-235.
15. Robinson BWS, Davidson JA, Garlepp MJ. The immunology and immunopathology of malignant mesothelioma. Kradin RL, Robinson BWS eds. In: Immunopathology of lung disease. Butterworth Heinemann, Stoneham, MA 1996:91-513.
16. McLennan G, Walsh RL, Robinson BWS. Bronchalveolar Lavage. Kradin RL, Robinson BWS eds. In: Immunopathology of lung disease. Butterworth Heinemann, Stoneham, MA 1996:529-540.
17. Robinson BWS, Sellner L, Redwood A, Leong CC, Davidson JA, Peroni DJ, Marzo AL, Garlepp MJ and Scot B. New techniques for evaluating lung immunology and immunopathology. Kradin RL, Robinson BWS eds. In: Immunopathology of lung disease. Butterworth Heinemann, Troneham, MA 1996:541-567.
18. Robinson BWS. Sarcoidosis, Kradin RL, Robinson BWS eds. In: Immunopathology of lung disease. Butterworth Heinemann, Stoneham, MA 1996:165-190.
19. Scott B, Mukherjee S, Lake R, Robinson BWS, Malignant Mesothelioma. In: Textbook of Lung Cancer. Ed Hanson H. London: Martin Dunitz; 2000.p.273-293.
20. Lee J, Robinson BWS. The history of mesothelioma in Australia 1945-2001. In: Mesothelioma. Robinson BWS, Chahinian PA, Editors. London: Martin Dunitz; 2002. p.55-86.
21. Lee YC, Thompson RI, Dean A, Robinson BWS. Clinical and palliative care aspects of malignant mesothelioma. In: Mesothelioma. Robinson BWS, Chahinian PA, Editors. London: Martin Dunitz; 2002. p.111-126.
22. Serman DH, Albelda SM, Mukherjee S, Robinson BWS. Gene therapy for malignant mesothelioma - "suicide gene" and immunological approaches. In: Mesothelioma. Robinson BWS, Chahinian PA, Editors. London: Martin Dunitz; 2002. p.223-234.
23. McLaren B, Robinson BWS. The molecular pathogenesis of mesothelioma. In: Mesothelioma. Robinson BWS, Chahinian PA, Editors. London: Martin Dunitz; 2002. p.307-323.

24. Mukherjee S, Robinson BWS. Immunotherapy of malignant mesothelioma. In: Mesothelioma. Robinson BWS, Chahinian PA, Editors. London: Martin Dunitz; 2002. p.325-338.
25. McLaren BR, Robinson BWS, Lake RA. Pathogenesis of mesothelioma. Text book of Respiratory cell and molecular biology. Wardlaw AJ and Hamid Q, Editors. London: Martin Dunitz; 2002. p.367-380.
26. Nelson D, Lake RA, Robinson BWS. Experimental models of mesothelioma. In: Textbook of Pleural Diseases. Eds. Light RW and Lee YCG; 2003. 167-179.
27. Nowak AK, Lake RA, and Robinson BWS. Immunotherapeutic approaches and vaccination strategies. In: Malignant Mesothelioma. Eds. Pass, Vogelzang, Carbone, 2005. 798-817.
28. Robinson BWS. Mesothelioma. in 'Encyclopedia of Respiratory Medicine' Geoffrey J. Laurent GJ, Shapiro S Eds. 2006. Elsevier. Oxford. 52-56.
29. Robinson BWS. Malignant Mesothelioma. In: Encyclopaedia of Respiratory Medicine. Eds. Laurent GJ, Shapiro SD. Elsevier Ltd. 2006, 52-56.
30. Nelson D, Robinson C, Dunham MA, Robinson BWS. Malignant Mesothelioma. In: Environmental and Occupational Medicine. Eds. Rom WN, Markowitz SB, 2007. 317-329.
31. Smith AM, Lansley S, Jackaman C, Koloska B, Broomfield S, Robinson BWS, Nelson DJ. Immunobiology of Malignant Mesothelioma (MM). In: Malignant Pleural Mesothelioma. Eds. O'Byrne K, Rusch V. Oxford University Press, USA, 2007.
32. Creaney J, Robinson BWS. Possible Roles for Soluble Mesothelin-Related Proteins as Tumour Markers for Malignant Mesothelioma. In: Mesothelioma from bench to clinic. Editor: Alfonso Baldi, 2007 Nova Science Publishers Inc.
33. Robinson BWS, Lake R, Robinson C, Creaney J. Malignant Mesothelioma In: Textbook of Lung Cancer. 2nd Edition. Ed. Hanson H. London: Dunitz M. 2008.
34. Robinson BWS, Broaddus VC, Robinson BWS. Tumors of the Pleura. Murray and Nadel's Textbook of Respiratory Medicine, 5th ed. 2010. Ch 75. Elsevier.
35. Robinson B, Baas P, Kindler HL. Malignant Mesothelioma. In: Principles and Practice of Lung Cancer. Harvey I. Pass, David P Carbone, David H Johnson Eds. Walters Kluwer. 2010. Philadelphia.
36. Robinson BWS and Meniawy T. Malignant Pleural Mesothelioma. In: Clinical Respiratory Medicine 4<sup>th</sup> edition. Eds. Spiro S, Silvestri G and Agusti A. Elsevier 2012.
37. Lotze MT, Robinson B, June CH, Whiteside TL. Tumor Immunotherapy. In: Clinical Immunology 4<sup>th</sup> edition. Eds. Rich R, Fleisher T, Shearer W, Schroeder H, Frew A and Weyand C. Elsevier 2012.

#### 6.4 Papers

1. Robinson BWS, Musk AW. Benign asbestos pleural effusion diagnosis and course. Thorax 1981; 36: 896-900.
2. Robinson BWS. Nitrofurantoin induced interstitial pulmonary fibrosis. Med J Aust 1983; 1: 72-76.
3. Robinson BWS, Pinkston P, Crystal RG. Natural killer cells are present in the normal human lung but are functionally impotent. J Clin Invest 1984; 74: 942-50.
4. Venet A, Hance AJ, Saltini C, Robinson BWS, Crystal RG. Enhanced alveolar macrophage-mediated antigen induced T lymphocyte proliferation in sarcoidosis. J Clin Invest 1985; 75: 293-301.
5. Robinson BWS, McLemore TL, Crystal RG. Gamma interferon is spontaneously released by alveolar macrophages and lung T lymphocytes in patients with pulmonary sarcoidosis. J Clin Invest 1985; 75: 1488-1495.
6. Robinson BWS, Rose AH, Hey A, Whitaker D, Musk AW. Alveolitis of pulmonary asbestosis: bronchoalveolar lavage studies in crocidolite- and chrysotile-exposed individuals. Chest 1986; 90: 396-402.
7. Holt P, Robinson BWS, Reid M, Kees U, Warton A, Dawson V, Rose AH, Schon-Hegrad M, Papadimitrou J. Extraction of immune and inflammatory cells from human lung parenchyma: evaluation of an enzymatic digestion procedure. Clin Exp Immunol 1986; 66: 188-200



8. Robinson BWS, Morstyn G. Interleukin-2-activated Natural Killer cells are active against lung cancer cells. *Chest* 1987; 91: 31-32.
9. Robinson BWS, Rose A, Thompson PJ, Hey A. Comparison of bronchoalveolar lavage helper/suppressor T-cell ratios in sarcoidosis versus other interstitial lung diseases. *Aust NZ J Med* 1987; 17: 9-15.
10. Robinson BWS. Evaluation of pulmonary anti-cancer and inflammatory processes in humans. MD Thesis. 1987. Uni of W Australia.
11. Robinson BWS, Morstyn G. Natural killer (NK)-resistant human lung cancer cells are lysed by recombinant interleukin-2-activated NK cells. *Cell Immunol* 1987; 106: 215-222.
12. Robinson BWS, James A, Rose A, Sterret G, Musk AW. Bronchoalveolar lavage sampling of airway and alveolar cells. *Br J Dis Chest* 1988; 82: 45-55.
13. Robinson BWS, Rose AH, Hayes A, Musk AW. Increased pulmonary gamma interferon production in asbestosis. *Am Rev Respir Dis* 1988; 138: 278-283.
14. Robinson BWS. Production of plasminogen activator by alveolar macrophages in normal subjects and patients with interstitial lung diseases. *Thorax* 1988; 43: 508-515
15. Holt PG, Kees UR, Schon-Hegrad MA, Rose A, Ford J, Bilyk N, Bowman R, Robinson BWS. Limiting dilution analysis of T cells extracted from solid human lung tissue: comparison of precursor frequencies for proliferative responses and lymphokine production between lung and blood T cells from individual donors. *Immunology* 1988; 64: 649-654.
16. Hayes A, Rose AH, Musk AW, Robinson BWS. Neutrophil chemotactic factor release and neutrophil alveolitis in asbestos-exposed individuals. *Chest* 1988; 94: 521-525.
17. Warton A, Papadimitriou JM, Venaille TJ, Mendis SHW, Robinson BWS. Human amnion membrane as a model for studying the host-parasite relationship in trichomoniasis. *Int J Parasitol* 1988; 18: 1003-1005.
18. Robinson BWS, Kees UR, Holt PG. Lung interstitial natural killer cells in patients with lung cancer: presence, activity and response to interleukin-2. *Lung Cancer* 1989; 5: 41-48.
19. Hayes A, Mullan B, Lovegrove FT, Robinson BWS, Musk AW. Gallium lung scanning and bronchoalveolar lavage in crocidolite-exposed workers. *Chest* 1989; 96: 22-26.
20. Manning L, Bowman RV, Darby SB, Robinson BWS. Lysis of human malignant mesothelioma cells by natural killer (NK) and lymphokine-activated killer (LAK) cells. *Am Rev Respir Dis*, 1989; 139: 1369-1374.
21. Gibson PG, Robinson BWS, McLennan G, Bryant DH, Breit SN. The role of bronchoalveolar lavage in the assessment of diffuse lung diseases. *Aust NZ J Med* 1989; 19: 281-291
22. Robinson BWS. Asbestos and cancer: human natural killer cell activity is suppressed by asbestos fibres but can be restored by recombinant interleukin-2. *Am Rev Respir Dis*, 1989; 139: 897-901.
23. Venaille T, Mendis A, Warton A, Walker L, Papadimitriou J, Robinson BWS, Study of human epithelial cell detachment and damage: development of a model. *Immunol Cell Biol* 1989; 67: 359-369.
24. Mendis AHW, Venaille T, Robinson BWS. Study of human epithelial cell detachment and damage: effects of proteases and oxidants. *Immunol and Cell Biol* 1990; 68:95-105.
25. Hayes A, Venaille TJ, Rosse AH, Musk AW, Robinson BWS. Asbestos-induced release of a human alveolar macrophage-derived neutrophil chemotactic factor. *Exp Lung Res* 1990;16:121-130.
26. Robinson BWS, Rose AH. Pulmonary  $\gamma$  interferon production in patients with fibrosing alveolitis. *Thorax* 1990;45:105-108.
27. Flexman J, Manning L, Robinson BWS. In vivo boosting of lung natural killer and lymphokine-activated killer cell activity by interleukin-2: Comparison of systemic, intrapleural and inhalation routes. *Clin Exp Immunol* 1990; 82:151-156.
28. Robinson BWS, Venaille TJ, Mendis AHW, McAleer R. Allergens as proteases: an aspergillus fumigatus proteinase directly induces human epithelial cell detachment. *J Allergy Clin Immunol* 1990; 86:726-731.
29. Phillips MJ, Venaille TJ, Mendis AHW, Thompson PJ, Robinson BWS Effect of nedocromil sodium on neutrophil and eosinophil-induced epithelial cell desquamation in a human in vitro epithelial model. *Drugs* 1989; 37: 56-62.

30. Manning LS, Bowman RV, Davis MR, Musk AW, Robinson BWS. Indomethacin augments lymphokine-activated killer cell generation by patients with malignant mesothelioma. *Clin Immunol and Immunopath* 1989; 53: 68-77.
31. Robinson BWS. After the Fellowship - basic research *Med J Aust* 1990;153:692-696
32. Bowman R, Manning LS, Davis M, Robinson BWS Capacity of tumour necrosis factor to augment lymphocyte-mediated tumor cell lysis of malignant mesothelioma. *Clin Immunol Immunopath* 1991;58:80-91
33. Manning LS, Murch A, Garlepp MJ, Davis MR, Musk A, Robinson BWS. Establishment and characterisation of five human malignant mesothelioma cell lines derived from pleural effusions. *Int J Cancer* 1991;47:285-290
34. Manning L, Davis M, Robinson BWS Asbestos fibres inhibit the in vitro activity of lymphokines-activated killer (LAK) cells from healthy individuals and patients with malignant mesothelioma. *Clin Exp Immunol* 1991;83:85-91.
35. Robinson BWS, Bowman R, Christmas T, Musk AW, Manning LS. Immunotherapy for malignant mesothelioma: use of interleukin-2 and interferon alpha. *Interferons and Cytokines* 1991;18:5-7.
36. Robinson BWS, Sterrett G. Bronchiolitis obliterans associated with polyarteritis nodosa. *Chest* 1992 102:309-311
37. Christmas TI, Manning LS, Davis MR, Robinson BWS, Garlepp M. HLA antigen expression and malignant mesothelioma. *Am J Resp Cell Mol Biol.* 1991;5:213-220.
38. Bowman R, Whitaker D, Manning LS, Davis MR, Robinson BWS Interaction between Dactinomycin and tumor necrosis factor in mesothelioma - cachexia without oncolysis. *Cancer* 1991;67:2495-2500.
39. Bowman R, Manning LS, Davis MR, Robinson BWS Chemosensitivity and cytokine sensitivity of malignant mesothelioma. *Cancer Chemother Pharmacol* 1991;28:420-426.
40. Robinson BWS. Organic dust disease; mediators and mechanisms. In: Rylander R and Musk AW (eds). *Workshop on Health Effects of Grain and Other Organic Dusts*, Committee on Organic Dusts, ICOH, 26-29.
41. Robinson BWS. Doctor in pain - learning as a patient. *Med J Aust* 1992 156:355-357
42. Robinson BWS, Venaille T, Blum R, Mendis AH. Eosinophils and major basic protein damage but do not detach human amniotic epithelial cells. *Exp Lung Res* 1992;18:583-593
43. Holt PG, Clough JB, Holt BJ, Baron-Hay MJ, Rose AH, Robinson BWS Thomas WR. Genetic 'risk' for atopy is associated with delayed postnatal maturation of T-cell competence. *Clin Exp Allergy* 1992;22:1093-99.
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64. Davidson JA., Musk AW., Robinson BWS. In vitro and in vivo effect of Taxol on mesothelioma murine and human cell lines and investigation of cremophor on mesotheliomas sensitivity to Adriamycin. Clinical Oncology Society of Australia, Adelaide, November 1994.
65. Davidson JA and Robinson BWS. To evaluate the effect of granulocyte macrophage colony stimulating factor (GM-CSF) and retinoids on mesothelioma growth and any additive effect for the combination with alpha interferon. Clinical Oncology Society of Australia, Adelaide, November 1994.
66. Marzo AL., Fitzpatrick DR., Robinson BWS. Inhibition of malignant mesothelioma (MM) growth by anti-sense oligonucleotides specific for transforming growth factor-beta (TGF- $\beta$ ). Australian Society of Immunology, Canberra 5-7 December, 1994.
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72. Venaille TV, Upham J., Robinson BWS. Does asthmatic epithelium lack expression of 'normal' immunoregulatory genes? - evaluation of bronchial brushings using SQ-PCR. ATS International Conference, Seattle Washington, May 21-24, 1995.
73. Jarnicki A., Fitzpatrick D, Himbeck R, Marzo A, Robinson BWS, Bielefeldt-Ohmann H. Cytokine expression by tumour infiltrating lymphocytes during tumour growth-immunodeviation as a means of immuno-evasion? ATS International Conference, Seattle Washington, May 21-24, 1995.
74. Fitzpatrick DR, Bielefeldt-Ohmann H, Himbeck RP, Jarnicki AG, Marzo AL, Robinson BWS. Tumour-induced immunosuppression and autocrine growth: use of inducible anti TGF- $\beta$  antisense RNA transfectants in a mesothelioma model. International Mesothelioma Interest Group Conference, Paris, France, 13-15 September 1995.
75. Caminschi I, Jarnicki A, Fitzpatrick D, Marzo A, Himbeck R, Bundell C, Scott B, Robinson BWS, Bielefeldt-Ohmann H. Growth of a murine malignant mesothelioma cell line in vivo: lack of immune aggression due to immune deviation. International Mesothelioma Interest Group Conference, Paris, France, 13-15 September 1995.
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79. Davidson JA, Musk AW, Robinson BWS. Intralesional cytokine therapy in cancer a phase I and II study of alpha interferon and GM-CSF infusion in mesothelioma. International Mesothelioma Interest Group Conference, Paris, France, 13-15 September 1995.
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94. Hayball JD, Marzo AL, Scott BM, Robinson BWS, Lake RA. Partial agonism of a polyclonal set of human V $\alpha$ 17 expressing T cell by an altered bacterial superantigen. QIMR International Symposia on Molecular Medicine, Brisbane, Australia, 20th-21st August, 1998.
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101. Robinson BWS. Gene Therapy for Cancer. Proc of Australasian Pharmaceutical Science Assoc, APSA. Annual Conference 1999.

102. Jackaman C, Bundell C, Kinnear B, van Hagen D, Robinson BWS, Nelson D. Interleukin-2 intra-tumoral immunotherapy of malignant mesothelioma: Size does matter. 6th International Mesothelioma Interest Group Conference. Perth 2002.
103. Robinson BWS, Creaney J, Lake RA, Nowak A, Musk AW, de Klerk N, Winzell P, Scholler N, Hellstrom KE, Hellstrom I. Serum mesothelin is elevated in mesothelioma patients and can predate diagnosis. 6th International Mesothelioma Interest Group Conference. Perth 2002.
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106. Nelson D, Jackaman C, Bundell C, Robinson BWS. Evaluation of tumour-specific T cell responses during progression of mesothelioma. 6th International Mesothelioma Interest Group Conference. Perth 2002.
107. Van Bruggen I, Jackaman C, Caminschi I, Liu Y, Robinson BWS. Does constant rate cytokine infusion in mesothelioma offer a better delivery regimen than repeated bolus injections?. 6th International Mesothelioma Interest Group Conference. Perth 2002.
108. Smith A, van Bruggen I, Broomfield S, Himbeck R, Bundell C, Creaney J, Nelson D, Lake RA, Robinson BWS. Autologous mesothelioma cell lysate as a source of tumour antigens for dendritic cell pulsing. 6th International Mesothelioma Interest Group Conference. Perth 2002.
109. Broomfield S, van Bruggen I, Smith A, Robinson BWS. Enhancing the immune response to mesothelioma antigens with heat shock protein enriched autologous tumour lysate. 6th International Mesothelioma Interest Group Conference. Perth 2002.
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111. Creaney J, Lake RA, Nowak A, Musk AW, Robinson BWS. Elevated levels of mesothelin-family proteins in malignant mesothelioma. 6th International Mesothelioma Interest Group Conference. Perth 2002.
112. Robinson BWS, Nowak A, Marzo A, Himbeck R, Stumbles P, Frelinger J, Heath W, Scott B, Lake R. Tumor antigen cross presentation and the impact of induction of tumor cell apoptosis in vivo on specific CD8 function and CD40 responses. Keystone International Conference, Colorado, USA 2003.
113. Robinson BWS, Nowak A, Marzo A, Himbeck R, Stumbles P, Frelinger J, Heath W, Scott B, Lake R. Tumor antigen cross presentation, tumor cell apoptosis - specific CD8 and CD40 responses. The Annual American Association of Immunology Meeting. Denver, Colorado, USA 2003.
114. Nelson DJ, Jackaman C, Robinson BWS, Zhan Y, Lew AM. Intra-tumoral activating anti-CD40 requires further 'help' offered by intra-tumoral interleukin-2 to induce reliable and permanent regression of large, rapidly growing solid tumors. The Annual American Association of Immunology Meeting. Denver, Colorado, USA 2003.
115. Nowak AK, Robinson BWS, Lake R. Synergy between chemotherapy and immunotherapy in the treatment of established murine solid tumours. Medical Oncology Group, RACP Australia, Annual Scientific Meeting 2003.
116. Robinson BWS, Heath W, Nowak AJ, Frelinger J, Lake RA, Scott B, Stumbles P, Himbeck R, Marzo A. Tumor-Specific CD8 cells are constitutively 'cross-armed' but only in tumor-draining nodes and are driven out of lymph nodes by CD40 stimulation. 12th International Congress of Immunology, Montreal, July 2004.
117. Creaney J, Robinson BWS. Serum Mesothelin-Related Protein - a new serum marker for mesothelioma. International Mesothelioma Interest Group, Italy 2004.

118. Brown MD, Vivian JB, Currie AJ, Price P, Robinson BWS, Hall JC. Are Tumour Vaccines Logical? Urological Society of Australasia State Meeting (WA), Bunker Bay Western Australia November 5-7 2004.
119. Brown MD, Vivian JB, Currie AJ, Price P, Robinson BWS, Hall JC. Postoperative Tumour Neo-Antigen Presentation in Murine Models of Primary and Metastatic Malignancy. Australasian Society of Immunology National Convention, Adelaide South Australia, December 12-16 2005.
120. Brown MD, Currie AJ, Vivian JB, Robinson BWS. Postoperative Tumour Neo Antigen Presentation, Keystone Cancer Symposium, Keystone Colorado March 19-24 2005.
121. Brown MD, Vivian JB, Currie AJ, Robinson BWS. Surgery Re-Sets the Anti-Tumour Immune Response. Urological Society of Australasia State Meeting (WA), Bunker Bay Western Australia, November 4-6 2005.
122. Sherwood A, Creaney J, Robinson BWS, Lake R. Identification of Key Genetic Changes Involved in Mesothelial Cell Transformation. Combined Biological Sciences Meeting (CBSM), Perth Australia 2002.
123. Sherwood A, Creaney J, Lake R, Robinson BWS. Identification of Genetic Markers for Mesothelioma. The International Mesothelioma Interest Group(IMIG) meeting, Perth, Australia 2002.
124. Sherwood A, Robinson BWS, Nelson D, Lake R. Identification of Tumour Antigens Associated with Mesothelial Cell Transformation. Australasian Society of Immunology (ASI) meeting, Perth, Australia, 2003.
125. Sherwood A, Mutsaers S, Robinson BWS, Nelson D, Lake R. Identification of Key Genetic Markers Associated with Mesothelial Cell Transformation. ComBio meeting, Perth, Australia 2004.
126. Sherwood A, Mutsaers S, Robinson BWS, Nelson D, Lake R. Characterisation and Gene Profiling of an In Vitro Model of Mesothelial Cell Transformation. 4th National Microarray Conference and Inaugural Meeting of the Australasian Microarray and Associated Technologies Assoc.(AMATA), Perth, Australia 2004.
127. Sherwood A, Mutsaers S, Robinson BWS, Nelson D, Lake R. Characterisation of an In Vitro Model of Mesothelial Cell Transformation. Keystone Symposia- Cancer and Development(J6), Banff, Alberta, Canada 2005.
128. Creaney J, Lake R, Musk AW, de Klerk N, Robinson BWS. Soluble Mesothelin Related Protein (SMRP): A marker for Mesothelioma. Molecular and Cell Biology of Cancer, Melbourne, November 14-16 2005.
129. Creaney J, Lake R, Robinson BWS. Ribonucleotide reductase: levels in malignant mesothelioma. Cancer Knowledge - Cancer practise: The fifth WA State Cancer Conference, Perth October 18, 2005.
130. Sherwood A, Robinson BWS. Profiling of an In Vitro Model of Mesothelial Cell Transformation. The fifth WA State Cancer Conference, Perth October 18, 2005.
131. Mutsaers S, Robinson BWS, Nelson D, Lake R. Keystone Symposia-Stem Cells, Senescence and Cancer(D5), Singapore 2005.
132. Robinson BWS, Creaney J. Mesothelioma- serum markers- potential value in diagnosis, monitoring and screening. The Thoracic Society of Australia and New Zealand, Perth March 20-23 2005.
133. Creaney J, Segal A, Musk AW, De Klerk NH & Robinson BWS. Potential biomarker for mesothelioma. 36<sup>th</sup> Annual Scientific and Business Meeting of the Australian Society of Cytology, November 2006, Perth Western Australia.
134. Robinson BWS, Creaney J, Segal A, Musk AW, De Klerk N, Skates SJ & Pass HI. Biomarkers for early detection of asbestos-induced cancer. Gordon Conference. January 2007.
135. Creaney J & Robinson BWS. Biomarkers in malignant mesothelioma. Thoracic Society of Australia and New Zealand, April 2007.
136. McDonnell, AM, Prosser, AC, Van Bruggen, I, Currie, AJ & Robinson BWS. Cross presentation of tumour antigens from tumour dendritic cells is blocked. TSANZ ASM 2008.

137. Creaney J, Boudville N, Musk AW, Segal A and Robinson BWS. Screening for mesothelioma using serum v urine mesothelin levels. TSANZ ASM 2008.
138. Robinson BWS, Currie AJ, Brown M, Lake R, Nowak A. Synergism between immunotherapy and conventional chemotherapy and surgery for lung malignancies. TSANZ ASM 2008.
139. Broomfield S, Van der Most R, Prosser A, Mahendran S, Robinson BWS, Currie A. Human and mouse tumors express TLR7: evidence for in-vivo sensitivity to local treatment with Imiquimod. TSANZ ASM 2008.
140. McDonnell AM, Prosser AC, Van Bruggen I, Currie AJ, Robinson BWS. Cross presentation of tumour antigens from tumour dendritic cells is blocked. ATS ASM 2008.
141. Creaney J, Boudville N, Musk AW, Segal A, Robinson BWS. Screening for mesothelioma using serum v urine mesothelin levels. ATS ASM 2008.
142. Robinson BWS, Currie AJ, Brown M, Lake R, Nowak A. Synergism between immunotherapy and conventional chemotherapy and surgery for lung malignancies. ATS ASM 2008.
143. Broomfield S, Prosser A, Van der Most R, Mahendran S, Robinson BWS, Currie AJ. Locally administered toll-like receptor 7 agonists drive systemic anti-tumour immune responses that are enhanced by anti-CD40 immunotherapy. Australian Society for Medical Research - Medical Research Week Symposium 2008. Curtin University, Bentley, Western Australia. (Oral presentation).
144. Broomfield S, Prosser A, Van der Most R, Mahendran S, Robinson BWS, Currie AJ. A locally administered toll-like receptor-7 agonist drives systemic anti-tumour immune responses that are enhanced by anti-CD40 immunotherapy. Toll 2008 Conference, Lisbon, Portugal. (Poster presentation).
145. Creaney J, Segal A, Nowak AK, Francis RJ, Alvarez J, Musk AW, Robinson BWS. The use of mesothelin for monitoring patients with mesothelioma. International Mesothelioma Interest Group Meeting. Amsterdam 2008. (Oral presentation)

## 7. INVITED LECTURES AND INVITED CONTRIBUTIONS TO MAJOR MEETINGS

### 7.1 International

2013

Invited Speaker:

53<sup>rd</sup> Annual meeting of the Japanese Respiratory Society, Tokyo, April.  
 University of Indonesia, Faculty of Medicine, May.  
 Persehabatan Hospital, Indonesia, May.  
 World Conference on Lung Cancer, Sydney, October.

2012

Invited Speaker:

PIPKRA, University of Indonesia, Faculty of Medicine, Jakarta February.  
 American Thoracic Society, San Francisco, May: Overview of tumour immunobiology, immunotherapy, and update on recent clinical trials.  
 International Mesothelioma Interest Group (iMig), Boston, September:  
 Panel member: Setting the research agenda for mesothelioma (closing session).  
 Session chair: New directions and future studies; tumour microenvironment workshop; immunology workshop.

2011

Invited Speaker:

Invited speaker, World Conference on Lung Cancer (WCLC), Amsterdam, The Netherlands, July.  
 Invited speaker, Mesothelioma mini-symposium, "Recent studies in mesothelioma biomarkers and treatment", Caen, France, September.  
 Lecture, Pulmonary and Thoracic Oncology Department L'Hopital Calmette, "Recent studies in mesothelioma biomarkers and treatment.", CHRU de Lille, France, September.  
 Invited speaker, Cancer Research Institute 19th Annual International Symposium "Immune Effector Mechanisms in Tumor Immunity", New York, New York, USA, October.

Invited speaker, 16<sup>th</sup> Congress of the Asian Pacific Society of Respiriology, Shanghai, November.

2010

Invited Speaker:

Postgraduate course on occupational lung disease, Jakarta, Indonesia, January.

American Association of Immunology, Baltimore, Maryland, USA, May.

National Cancer Institute, Bethesda, Maryland, USA, May.

Translational Medicine in Occupational Lung Disease, PIPKRA, Jakarta, Indonesia, August.

International Mesothelioma Interest Group 10<sup>th</sup> Annual Scientific Meeting, Kyoto, Japan, September.

International Congress of Immunology, Kobe, Japan, August.

2009

Invited Speaker:

13<sup>th</sup> World Conference on Lung Cancer (WCLC), San Francisco, California USA, July/August.

Gordon Research Conference on Antigen Cross-Presentation, Lucca (Barga) Italy, June.

Asian Asbestos Conference, Hong Kong, April.

Keystone Symposium on Tumor Immunology, Snowbird Utah, USA. January.

2008

Invited Speaker:

American Thoracic Society ASM - Postgraduate Course lecturer, May.

UK House of Commons Subcommittee on Asbestos Diseases, May.

International Mesothelioma Interest Group conference, Amsterdam, September.

European Respiratory Society ASM, Berlin, October.

2007

Invited Speaker:

Invited participant. Gordon Conference: New Frontiers in Cancer Detection & Diagnosis. Ventura Beach, California, January.

Thoracic Surgery, Brigham and Women's Hospital, Boston, Massachusetts. May.

Pfizer Pharmaceuticals, New London, Connecticut. May.

NYU, New York, New York, USA. May.

ATS Meeting Plenary, San Francisco, California USA.. May.

Invited Lecture, Biotherapy Symposium, Hangzhou, China. June.

Invited Lecture, Sekelas Kedokteran, Universitas Indonesia. July.

Invited Lecture, Asia Pacific Society of Respiriology Conference, Queensland.

2006

Invited Speaker:

"Tumour antigen cross-presentation". INSERM, Institut Gustave Roussy, Villejuif, Paris, France.

"Tumour antigen cross-presentation - using a tumor as its own vaccine". Ludwig Institute, UCL (Universite Catholique de Louvain) Brussels campus.

"Mesothelioma" - Service de Pneumologie, Hopital de Brabois, CHU de Nancy, France.

"Serum biomarkers of lung malignancy". INSERM, Grenoble, France.

"Lung biomarkers" - Centre for Respiratory Research, Rayne Institute, London.

"New mesothelioma biomarkers and therapies" Royal Marsden Hospital, London.

"Biomarkers", "new immunotherapies" and "integrated therapy" - 8th International Conference of the International Mesothelioma Interest Group.

Sheraton Chicago Hotel & Towers, Chicago, Illinois USA.

2005

Invited Speaker:

Keystone Tumor Immunology Conference, Colorado, USA. February.

World Lung Cancer Congress, Barcelona, Spain, July.

International Mesothelioma Congress, Antalya, Turkey. December.

2004



Invited Speaker:

IMIG, Italy.  
International Congress Immunology, Montreal.  
IACLS, Zurich.  
World Asbestos Conference, Japan.

2003

Invited Speaker:

World Lung Cancer Conference, Vancouver BC, May. "Mesothelioma - new approaches".

Invited Lectures (February, May & August):

San Francisco General Hospital, USA.  
Berkeley University, USA.  
University of Chile, Santiago, Chile.  
UCLA, Los Angeles, USA.  
NIH, Bethesda, MD, USA.  
RPMS, Imperial College, London, UK.  
UCSF, USA.  
Sir William Dunn School of Pathology, Oxford University, UK.  
John Radcliffe Hospital, Oxford, UK.  
Biovex, Oxford, UK.  
Corixa Corp, Seattle, USA.  
Eli Lilly Corp, Indianapolis, USA.  
Pacific Northwest Research Institute, Seattle, USA.  
Uni of Washington, Seattle, USA.  
University of British Columbia, Vancouver, BC.

2002

Invited Speaker:

Heidelberg Mesothelioma Conference, Heidelberg, May. "Mesothelioma genetics and therapy".

2000

Invited Speaker and Workshop Chairman:

Keystone Conference on Tumour and Cellular Immunology, Santa Fe, January 2000. "Tolerance and anti-tumour immunity".

Invited Symposium Speaker:

American Thoracic Society International Conference, Toronto, May 2000. "TCR Transgenic cells in lung research".

Invited Chairman:

ATS Postgraduate Course on Advanced Techniques in Molecular Biology.

1999

Invited Speaker:

American Thoracic Society International Conference, San Diego, April 1999. "Advanced Techniques in Molecular Biology and Immunology".

1998

Invited Symposium Speaker and Co-Chair:

American Thoracic Society International Conference, Chicago, USA. "Gene therapy of mesothelioma - immune approaches".

Invited Speaker:

5<sup>th</sup> Asia-Pacific Congress of Respiriology, Sydney, Australia. "Basic aspects of lung immunology".

Invited Lecture:

University of Chicago, Chicago, USA. "Use of TcR transgenics to analyse anti-tumour immune responses".

Invited Lecture:

Pittsburgh Cancer Centre, Pittsburgh, USA. "Use of TcR transgenics to analyse anti-tumour immune responses".

Invited Lecture:

RPMS, Imperial College, London, United Kingdom. "Use of TcR transgenics to analyse anti-tumour immune responses".

1997

Invited Lecture:

Australasian College of Physical Scientists and Engineers in Medicine, Annual Scientific Meeting, Perth, Australia. "Research in a teaching hospital".

Invited Speaker & Co-Chairman:

International Mesothelioma Interest Group Scientific Meeting, Philadelphia, USA. "Immunological approaches to gene therapy of mesothelioma".

Invited Symposia Speaker & Co-Chairman:

World Lung Cancer Conference, Dublin, Ireland. "Gene therapy of lung malignancies"

1996

Invited Symposium Speaker:

10<sup>th</sup> International Biotechnology Symposium, Sydney. "Gene therapy of cancer".

Invited Speaker:

Asia Pacific Society of Respiriology, Beijing. "Immune responses in the lung".

Invited Speaker:

Biomedical Research Centre, Vancouver, BC. "Gene transfer and antisense approaches to cancer".

1995

Invited Symposium Speaker and Chairman:

International Mesothelioma Conference, Paris, France. September 1995. "Immunology of Mesothelioma" and "Potential for Gene Therapy of Mesothelioma".

Invited Lecture:

Gene Therapy Inc., Gathersburg, Maryland, USA. September 1995 "Gene Therapy of Mesothelioma".

Invited Lecture:

University of Maryland, Maryland, USA. September 1995 "MHC Molecules and Immune Recognition of Tumours".

Invited Lecture:

Dept of Oncology, Johns Hopkins Medical School, Baltimore, Maryland, USA. September 1995. "Co-stimulation, Immune Recognition and Immune Deviation in Tumour Immunology".

Invited Lecture:

National Cancer Institute, Frederick, Maryland, USA. September 1995. "Immune Deviation, Co-stimulation and Antisense Inhibition in Tumour Immunology"

Invited Symposium Speaker:

Asbestos Medico-Legal Conference, Sydney, Australia, November 1995. "Cytokines and the Molecular Biology of Mesothelioma".

1994

Invited Symposium Speaker:

International Meeting on Lung Tumours, European School of Oncology, Sydney, September. "Aetiology and pathogenesis of Mesothelioma".

Invited Symposium Speaker:

European Respiratory Society Annual Scientific Meeting, Nice, France, October. "Basic Biology of Mesothelioma".

Invited Symposium Speaker:

World Congress on Lung Cancer, Colorado Springs, USA. "Early Staging of Mesothelioma and Clinical Symptoms in the Staging of Mesothelioma".

1993

Invited Symposium Lecture:

International Congress on the Regulation of Leukocyte Production and Immune Function, Society for Leukocyte Biology and Australian Society for Immunology, December 1993. "Immunobiology of pulmonary tumours".

1992

Invited Lecture:

London Chest Hospital, UK. "Mesothelioma - current concepts."

Invited Lectures:

St. Mary's Hospital, UK "T cells and the human lung" (October 1992) "Immunobiology of asbestos-induced cancer" (October 1992); Granulomatous Lung Disease Seminar (November 1992).

Invited Lecture:

National Cancer Institute, NIH, USA "Antisense oligonucleotide strategies in evaluating autocrine growth factors".

Invited Lecture:

The Blood Center, Milwaukee, USA. "Lung T cell clones".

Invited Lectures:

Departments of Immunopathology and Respiratory Medicine, Massachusetts General Hospital, Boston, USA. "Malignant mesothelioma" and "Human lung T cell clones and sarcoidosis".

Invited Lecture:

Mt. Sinai Medical Center, New York, USA. "Current concepts of mesothelioma".

Invited Lecture:

New York University Medical Center, Bellevue Hospital, New York, USA. "Mesothelioma"

Invited Lecture:

St. Bartholomew's Hospital, London, United Kingdom. "Current concepts of mesothelioma".

Invited Lectures:

National Heart and Lung Institute, Brompton Hospital, London, United Kingdom. "New approaches to the therapy of mesothelioma" and "The immunobiology of asbestos-induced cancer".

Invited Lecture:

Whittington Hospital, London, United Kingdom. "Biology and therapy of solid human tumours".

1991

Invited Speaker:

International Conference on Mesothelioma, Paris, 1991. "Scientific basis of the immunotherapy of malignant mesothelioma".

Symposium Chairman:

International Conference on Mesothelioma, Paris, 1991. "Biology and Mesothelioma"

Invited Speaker:

World Lung Cancer Conference, IUSLC, 1991. "Malignant mesothelioma: Development of new therapeutic strategies".

Invited Chairman:

World Lung Cancer Conference, IUSLC, 1991. Mesothelioma symposium.

1990

Invited Lecture:

Symposium on Health Effects of Grain and Other Organic Dusts, Perth, March 1990. "Cells, cytokines and organic dust exposure".

Invited Lecture:

International Conference on the Immunotherapy of Melanoma and other Cancers, Newcastle, September 1990. "Interferon and interleukin-2/LAK cell therapy in mesothelioma".

1989

Invited Lecture:

Brompton Hospital, London 1989. "Malignant mesothelioma - oncogenes, growth regulation and immunological features".

Invited Lecture:

Hopital Bichat, Paris, 1989. "Immunotherapy of malignant mesothelioma".

1987

Invited Lecture:

National Cancer Institute, Washington, DC, May 1987. "NK cells in the human lung".

Invited Speaker:

Cardiothoracic Unit, Brompton Hospital, London, England. May, 1987. "Mechanism Underlying Epithelial Cell Damage in Human Asthma".

1986

Invited Speaker:

Cardiothoracic Unit, Brompton Hospital, London, England, May, 1986. "BAL studies in Interstitial Lung Diseases".

Invited Presentation:

Aspen Lung Conference, Aspen, Colorado, June 1986. "Interleukin-2, natural killer cells and lung cancer."

1985

Symposium Co-Chairman:

World Congress on Diseases of the Chest, August, 1985. "Bronchoalveolar Lavage in Interstitial Lung Disease."

Invited Speaker:

World Congress on Diseases of the Chest, August, 1985. "Use of bronchoalveolar lavage in evaluating asbestosis and pulmonary connective tissue diseases"

Invited Speaker:

World Congress on Diseases of the Chest, August, 1985. Cell Biology Symposium "Lymphocyte-Macrophage Interactions".

1984

Invited Lecture:

Tufts New England Medical Centre, Boston, USA. January 1984. "Pulmonary NK cells and their regulation by interleukin-2 and gamma-interferon".

7.2 National

2007-2012

Annual scientific meetings of NCARD (Perth, Melbourne, Sydney, Brisbane)

2009

TSANZ, Darwin, April

2008

Invited Lecture:

Presidential Award Lecture, TSANZ, Melbourne, March.

2007

Invited presentation:

Biomarkers for Malignant Mesothelioma TSANZ 2007 ASM, March, New Zealand.

2006

Invited speaker:

Thoracic Society of Australia and New Zealand Annual Scientific Meeting, Canberra

Advanced Trainee Workshop "A balanced life as a doctor".

ALF Lung Cancer Symposium "Mesothelioma advances".

SIG Symposium "Biomarkers for mesothelioma".

Royal Melbourne Hospital, Melbourne. "Mesothelioma and biomarkers" and "Medical response to the Indian Ocean Tsunami in Aceh".

Peter McCallum Cancer Centre, Melbourne. "Tumour antigen cross-presentation - biology and significance" and "The Indian Ocean Tsunami in Aceh".

2002

Invited speaker:

Thoracic Society of Australia and New Zealand, Cairns, March. "Biology and Therapy of Mesothelioma".

Invited speaker:

Dust Diseases Board of NSW. Sydney, June. "Biology and Gene Therapy of Mesothelioma".

Invited speaker:

Princess Alexandra Hospital, Brisbane. March. "Tumour antigen cross-presentation".

2001

Invited Speaker:

Australasian Gene Therapy Society Annual Meeting, Sydney. "Vaccinia-IL2 use in animal models and human trials".

Invited Speaker:

Australasian Society for Immunology, Tumor Immunology Workshop. "Transfection-transgenic analysis of CD40 interactions".

1999

Invited Speaker:

Australasian Pharmaceutical Sciences Association Meeting. "Gene Therapy of Cancer".

1998

Invited Speaker:

John Curtin School of Medical Research, Autoimmunity Workshop, Canberra, Australia, December, 1998. "Autoimmunity and tumour immunology".

Invited Symposium Speaker:

TSANZ Annual Scientific Meeting, Adelaide, Australia, April, 1998. "Gene therapy for lung cancer".

1997

Invited Speaker:

Australian College of Physical Scientists and Engineers in Medicine, Sir Charles Gairdner Hospital, Western Australia, August, 1997. "The role of medical research in major teaching hospitals".

Invited Speaker:

Australian Tumour Immunology Workshop, Perth, Australia, December, 1998. "Immunotherapy approaches to mesothelioma".

1996

Invited Speaker:

Australian Tumour Immunology Workshop, Daydream Island, Queensland, December 1996. "Gene transfer approaches in cancer".

1995

Invited Speaker:

Australian Society for Immunology Annual Scientific Meeting, Gold Coast, Queensland, December 1995. "B7 transfection and immune anti-tumour responses".

1994

Invited Lecture:

University of Sydney, June 1995. "Lung immunology and molecular biology".

Invited Lecture:

Thoracic Society of Australia & New Zealand - NSW Branch, June 1995. "The molecular immunology of lung disease".

1993

Invited Plenary Speaker:

Thoracic Society of Australia and New Zealand, Annual Scientific Meeting, May 1993. "Current Concepts in Lung Immunology".

Invited Speaker (breakfast session):

Thoracic Society of Australia and New Zealand, Annual Scientific Meeting, May 1993. "Pulmonary sarcoidosis".

Invited Symposium Chairman and Speaker:

Clinical Oncology Society of Australia, Annual Scientific Meeting, November 1993. "Novel Gene transfer and cytokine approaches in pulmonary malignancy" and "Novel approaches to cancer".

1992

Invited Symposium Chairman:

Thoracic Society of Australia and New Zealand, Annual Scientific Meeting, April 1992. "Airway Inflammation"

1991

Invited Symposium Speaker:

Thoracic Society of Australia and New Zealand, Advanced Course, November 1991. 'Molecular Biology'

Invited Symposium Chairman:

Australian Society for Immunology, Annual Scientific Meeting, December 1991. 'Tumour Immunology'

Invited Workshop Chairman:

Australian Society for Immunology, Annual Scientific Meeting, December 1991. 'Tumour Immunology'

1990

Invited Chairmanship:

Thoracic Society of Australia Young Investigator Award Session, April 1990.

Invited Lecture:

Recent Advances in Lung Cancer: Clinical Oncology Society of Australia/Thoracic Society of Australia Joint Symposium, April 1990. "Mesothelioma - from laboratory to bedside".

Invited Lecture:

Royal Prince Alfred Hospital, Sydney, New South Wales, August 1990. "Current concepts of mesothelioma".

Invited Lecture:

National Scientific Meeting, Australian Institute of Medical Laboratory Scientists, September 1990, Perth. "Cytokines".

1989

Invited Lecture:

Royal Adelaide Hospital, December 1989. "Pulmonary Sarcoidosis: current concepts".

1988

Invited Lecture:

The Australian Society for Medical Research: Symposium on Lung Cancer, 1988. "An Overview of Pulmonary Tumors: Immunological Aspects".

Invited Lecture:

Australian Cytokine Research Association, Sydney, 1988. "Interleukin-2".

Invited Lecture:

Society of Hospital Pharmacists, Annual Meeting, 1988. "The Immune System" and "Drugs and the Immune System".

1987

Invited Participant:

National Working Party on Immunotherapy and Cancer, 1987.

Invited Lecture:

International Interest Group Biennial Conference, Perth Dec 2002. "Mesothelin as a novel serum marker for mesothelioma".

Invited Lecture:

Advanced Technologies in Cancer - from Gene Chips to Gene Therapy Perth Dec 2002. "The scientific basis for immunogene therapy".

Invited Lecture:

Thoracic Society of Australia, Annual Scientific Meeting, June 1987. "The Cell Biology of Human Lung Cancer".

Invited Chairmanship:

Thoracic Society of Australia, Annual Scientific Meeting, June 1987. "Lung Cell Biology Poster Symposium".

Invited Chairmanship:

Thoracic Society of Australia Cell Biology Symposium, 1987. "Current Concepts of Lung Cell Biology".

1986

Session Co-Chairman:

Thoracic Society of Australia, Annual Scientific Meeting, June, 1986. "Bronchoalveolar Lavage".

Chairman:

Thoracic Society of Australia, Annual Scientific Meeting, Cell Biology Symposium, June, 1986.

Invited Lecture:

Australian Medical Laboratory Technology Society, Annual Scientific Meeting, Oct, 1986.  
“Interleukin-2”.

1985

Invited Lecture:

Walter and Eliza Hall Institute of Medical Research, Melbourne, July 1985. “Immunological processes in the normal and diseased human lung”.

Invited Lecture:

John Curtin School of Medical Research, Canberra, July 1985. “Methods of evaluating pulmonary inflammation, anti-tumour activity and protease activity in the normal and diseased human lung”.

Invited Speaker:

National Symposium on Gamma Interferon, Clinical Oncology Society of Australia Annual Scientific Meeting, November, 1985. “Gamma Interferon - Biological Role and Potential Clinical Uses.”

Invited Speaker:

National Bronchoscopy Symposium, Thoracic Society of Australia, November, 1985. “Clinical Experience with Bronchoalveolar Lavage”.

1984

Invited Speaker:

Royal College of Pathologists of Australasia Annual Scientific Meeting, October 1984. “New Methods of Evaluating Patients with Interstitial Lung Disease”.

Symposium Co-Chairman:

Australian Society for Immunology, Annual Meeting, December 1984. “Lymphokines”.

### 7.3 Major State Conferences

1996-now

Numerous presentations, too many to list.

1995

Invited Lecture:

Cancer Research Association of Western Australia Annual Scientific Meeting, September 1995.  
“Practical aspects and ethics of gene therapy”.

Plus, *since 1995*, numerous contributions to local conferences, seminars, clinical meetings, tutorials and small conferences that are too numerous to list.

1993

Invited Speaker:

Thoracic Society of Australia and New Zealand (WA Branch) Annual Scientific Meeting, Club Capricorn, March 1993. “Antioncogenes and mesothelioma”.

Invited Speaker:

KEMH Postgraduate Symposium, October 1993. “Teaching communication skills in a clinical context”.

Invited Speaker:

RACGP Postgraduate Symposium, November 1993. “Managing the difficult asthmatic”.

1991

Invited Lecture:

Royal Australasian College of Physicians (WA Branch), March 1991. “Recent Advances in the Therapy of Human Cancer - Use of Cytokines and Lymphocytes”.

Invited Speaker:

Cancer Research Association of WA/Thoracic Society of Australia and New Zealand Joint Symposium on Lung Cancer and Mesothelioma. Perth. November 1991.

1990

Invited Lecture:

Thoracic Society of Australia: WA Branch Annual Scientific Meeting, March 1990. “Proteases and epithelial cell damage”.

Invited Chairman:

Combined Biological Sciences Meeting; session on cell biology, Perth, September 1990.

Invited Lecture:

Australian Association of Clinical Biochemists Scientific Meeting. 'Cytokines and Lung Disease', November 1990.

1989

Invited Lecture:

Thoracic Society of Australia: WA Branch, Annual Scientific Meeting, May 1989. "Malignant mesothelioma: prospects for future therapy".

Invited Lecture:

Cancer Research Association of WA, Annual Scientific Meeting, 1989. "Cell biology and immunology of human malignant mesothelioma".

1987

Invited Chairman:

Australian Society of Medical Research. Symposium on Allergy and Asthma, October 1987.

Invited Chairman:

Cancer Research Association of WA Annual Scientific Meeting, 1987.

8. RESEARCH GRANTS AWARDED (\* = awarded by competitive peer review)

<u>Year Awarded</u>	<u>Funding body</u>	<u>Subject</u>	<u>Amount</u>
2013-2016	Ross Divett Foundation	Ross Divett Scholarship funds	\$204,000 (4 years)
2013-2015	NHMRC Project grant 1050938	Novel surgery-chemotherapy-immunotherapy approaches for lung malignancies	\$686,280 (3 years)
2013	US Department of Defense (Peer Review Cancer Research Program Discovery Award)	Targetting immunological "restrainers"	\$269,850
2012-2013	Dust Diseases Board of NSW	Releasing the brakes	\$160,000 (2 years)
2012-2014	NHMRC Project grant 1029589	Cross presentation and tumour immunology	\$421,650 (3 years)
2011	Cancer Council of WA	Anti-PD-L1	\$10,000
2011-2013	NHMRC Project grant 634377	New targets for asbestos-induced cancer (MUC1)	\$457,954 (3 years)
2010-2015	NHMRC Centre of Research Excellence award	Asbestos diseases	\$4,500,000 (5 years)
2009-2011	NHMRC Project grant 572669	Combining surgery and immunotherapy to treat cancer of lung	\$496,250 (3 years)
2009-2011	NHMRC Project grant 572593	Chemotherapy and regulatory T cells	\$254,250 (3 years)
2008-2010	NHMRC Project grant 513804	NK cells as the missing link between anti-cancer chemotherapy and DC8 T cell response	\$468,750 (3 years)
2008-2010	NHMRC Project grant	Diagnostic markers for malignant mesothelioma and other respiratory diseases	\$454,770 (3 years)
2008-2010	NHMRC Project grant	Chemoimmunotherapy of cancer	\$520,000 (3 years)
2008-2010	NHMRC Project grant	Biomarkers	\$540,000 (3 years)



2007-2011	Centres of Clinical Research Excellence grant - NHMRC BWS Robinson, PJ Thompson, AW Musk, RA Lake, S Mutsaers, AK Nowak	A Centre for respiratory and environmental lung diseases	\$2,000,000 (5 years)
2006	NIH-EDRN grant Prof H Pass (NYU) and Prof B Robinson	American-Australian Biomarker discovery consortium	2007-2009 \$150,000pa
2006	NHMRC-NRCARD grant Palmer, Prof Lyle; Musk, Clinical Prof Arthur; Garlepp, Prof Michael; de Klerk, Adjunct Prof Nicholas; Reid, Ms Alison; Robinson, Prof Bruce	The Genetic Understanding of Asbestos-Related Disorders (GUARD)	2007-2009 \$543,600
2006	NHMRC-NRCARD grant Creaney J, Robinson BWS, Musk AW, Skates SJ	Sensitive serum markers for improved diagnosis, monitoring and screening for early detection of mesothelioma	2007 \$153,250 2008 \$153,250 2009 \$153,250
2006	NHMRC-NRCARD grant B Robinson, A/Prof Paul; Currie, Dr Andrew; van der Most, Dr Robbert; Lake, A/Prof Richard; Nowak, Dr Anna (CI F); Scott, Dr Bernadette.	Integrating conventional mesothelioma therapies with immuno- and gene therapies.	2007-2009 \$287 965 pa
2005 (350466)	A Holloway, B Robinson, R Lake	Molecular characterisation and diagnosis of malignant mesothelioma	2005 \$139,000 2006 \$139,000 2007 \$139,000
2005 (353632)	Project Grant BWS Robinson, R Lake, D Nelson	Tumour antigen cross-presentation: efficiency, biology and role of inhibitory B7 homologue molecules	2005 \$154,250 2006 \$154,250 2007 \$154,250
2005 (353631)	Project Grant BWS Robinson, AW Musk, R Lake, J Creaney	Serum mesothelin-related protein as an early marker of mesothelioma	2005 \$116,750 2006 \$116,750 2007 \$116,750
2004 (310670)	Enabling Grant L Devereux, D Catchpoole, A de Fazio, A Holloway, R Lake, B Robinson, C Schmidt, H Thorne, N Zeps	Australian Tissue Biospecimen Network	1,750,000 (5 years)
2004 (254665)	NH&MRC	SMF in mesothelioma patients	102,500 (year 2 of 2003-2005 SMF grant)
2004 (350466)	NH&MRC (with Dr Holloway, Dr R Lake)	Molecular Analysis of Malignant Mesothelioma	\$416,900 (3 years)
2004	NH&MRC (with Dr R Lake, Dr D	Tumour antigen cross-	\$462,750

(353632)	Nelson)	presentation: efficiency, biology and role of inhibitory B7 homologue molecules	(3 years)
2004 (353631)	NH&MRC (with Dr AW Musk, Assoc Prof R Lake, Dr J Creaney)	Serum mesothelin-related protein as an early marker of mesothelioma	\$350,250 (3 years)
2003 (254665)	NH&MRC (with Dr R Lake, Dr J Creaney, Prof AW Musk)	Clinical utility of a novel serum marker, serum mesothelin family protein (SMF) in mesothelioma patients	\$102,500pa (3 years)
2003	Health Dept of WA	Clinical Trials	\$128,713pa (3 years)
2002	WA Insurance Commission	Markers of mesothelioma	\$298,600pa (4 years)
2001 (211999)	NH&MRC (with Delia Nelson)	Evaluation of immune response to multiple tumour antigens during tumour growth	\$150,000pa (3 years)
2000  (9936584)	Dust Diseases Board of NSW  NH&MRC (with Dr R Lake, B Scott)	Persistent intratumoral cytokines and antitumor immunity	\$137,000pa (2 years) \$222,600
1999  (9937321)	NH&MRC (with Dr J Hayball, Dr R Lake)	Regulation of immune responses by cognate oligomerisation of MHC class II with the T cell	\$228,700 (3 years)
1997	Australian Lung Foundation (with Dr B Scott, Dr R Lake)	Gene therapy of mesothelioma: pre-clinical and clinical studies	\$117,682 (2 years)
1997	MEDWA	Lung cancer immunology	\$100,000 (2 years)
1997	*NH&MRC (with G Shellam, G Stewart, P Thompson)	Equipment Grant	\$105,000
1997	*Lotteries Commission (with G Shellam, G Stewart, P Thompson)	Fluorescence activated cell sorter	\$191,000
1997	*NH&MRC (with R Lake)	Blockade of tumour transforming growth factor-beta to boost anti-tumour immunity	\$186,621 (3 years)
1997	*NH&MRC (with B Scott)	Tumour antigen presentation in a transfection-transgenic tumour model	\$125,774 (2 years)
1996	*Cancer Foundation of Western Australia (with B Scott)	An investigation of the induction of lymphocyte apoptosis as a mechanism by which tumours subvert the immune response	\$24,000
1996	*NH&MRC (with B Scott and M Garlepp)	A novel transgenic-transfection model to evaluate tumour-lymphocyte interactions	\$151,336 (3 years)
1995	*MEDWA	Antisense and mesothelioma	\$29,000
1994	*SCGH Foundation	Molecular biology fellowship	\$310,000 (4 years)
1994	*SCGH Foundation	Cellular immunology fellowship	\$310,000 (4 years)
1994	*NH&MRC (with H Bielefeldt-Ohmann and D Fitzpatrick)	Immunology, anergy and malignant mesothelioma	\$268,017 (3 years)
1994	*NH&MRC (with D Fitzpatrick & H Bielefeldt-Ohmann)	Antisense strategies in malignant mesothelioma	\$152,487 (3 years)
1994	*SGIC/SCGH	Local cytokines and cancer	\$342,000

1994	*MEDWA	Delivery of anti-sense molecules by liposomes	(3 years) \$59,572
1994	*SCGH Foundation (with Clin.Prof AW Musk)	Clinical trials fellowship	\$240,000
1994	*Asthma Foundation (with J Upham)	IL-12 in asthma airways	\$36,000
1993	*SCGH/SGIC (with AW Musk)	Mesothelioma mutations	\$59,000
1993	*Faculty of Medicine (with C Leong and M Garlepp)	Enhancement of immune responses to malignant mesothelioma by cytokine gene transfer	\$8,000
1993	*Faculty of Medicine (with D Fitzpatrick)	The role of transforming growth factor- $\beta$ in mesothelioma tumour growth <i>in vitro</i> and <i>in vivo</i>	\$6,500
1993	*MEDWA (with D Fitzpatrick)	Delivery of anti-cancer agents to mesothelioma tumours <i>in vivo</i>	\$48,800
1993	*MEDWA (with C Leong & M Garlepp)	Transfection of cytokine genes as a means of inducing immunity to malignant mesothelioma	\$135,000 (3 years)
1993	*Cancer Foundation (with D Fitzpatrick and M Garlepp)	Control of mesothelioma growth <i>in vitro</i> and <i>in vivo</i> by antisense strategies	\$15,000
1992	*Asthma Foundation (with J Upham)	T-cells and asthma	\$24,000
1992	*Cancer Foundation (with M Garlepp)	MHC gene transfection	\$37,000
1991	*SCGH Research Foundation (SGIC grant) with (L Manning, D Whitaker, M Garlepp, AW Musk)	Mesothelioma	\$41,000
1991	*Health Dept Grant (WA Govt)	Cytokine clinical trials	\$134,000
1991	James Hardie Industries	Molecular biology scientific research fellowship	\$400,242 (5 years)
1991	*SCGH Research Foundation (SGIC grant) (with AW Musk, R Bowman)	Pathogenesis of asbestosis	\$48,000
1991	Hoffman La Roche	Interferon + Doxorubicin in mesothelioma	\$80,000 (2 years)
1991	*Cancer Foundation of WA (with M Garlepp, L Manning)	MHC gene transfection	\$27,882
1991	*Cancer Foundation of WA (with L Manning)	Mesothelioma immunity	\$40,000
1991	*Worksafe Australia (with A James, AW Musk)	Workplace chemicals and asthma	\$150,000 (3 years)
1991	*Faculty of Medicine (with L Manning)	Mesothelioma monoclonals	\$9,000
1990	*NH&MRC Project Grant (with M Garlepp, AW Musk and P Holt)	Lung T cells	\$328,000 (3 years)
1990	*Asthma Foundation (WA)	Lung T cells in asthma	\$25,000
1990	Hoffman La Roche	Alpha interferon and mesothelioma	\$40,000
1990	*Cancer Foundation (with L Manning, D Whittaker)	Mesothelioma monoclonals	\$14,000
1989	*Workers Compensation Commission/Health Dept	Mesothelioma therapy	\$134,000
1989	Hoffman La Roche	Alpha interferon in mesothelioma	\$40,000

1989	*Telethon Foundation	Asthma	\$15,000
1989	*CF Association	Epithelial damage	\$38,247
1989	*Cancer Foundation (with R Minchin)	Cytokines and DFMO	\$25,000
1988	*Telethon Foundation	Asthma	\$24,000
1988	*CF Association	Epithelial damage	\$19,000
1987	SCGH Philanthropic Grant (with AW Musk)	Mesothelioma/IL-2 and LAK therapy	\$450,000 (2 years)
1987	*CF Association (with P Holt)	Cystic fibrosis	\$10,500
1987	*NH&MRC Project Grant (with AW Musk)	Gamma interferon	\$223,163 (3 years)
1986	*NH&MRC Fellowship	Bronchoalveolar lavage	\$50,173
1986	*SCGH Project Grant (with AW Musk)	Sarcoidosis	\$22,224
1986	*Asthma Foundation	Epithelial cell damage	\$24,000
1986	*Australian Kidney Foundation	Uraemia and immune defences	\$9,500
1986	*Faculty of Medicine	Tumour immunology	\$4,000
1986	*Worksafe Australia (with AW Musk, G Ryan)	Occupational asthma and airway damage	\$99,702 (3 years)
1986	*Telethon Trust	Asthma	\$22,360
1986	*Telethon Trust (with P Holt)	Cystic fibrosis	\$22,000
1985	*SCGH Project Grant (with AW Musk)	Sarcoidosis	\$26,500
1985	*Asthma Foundation	Epithelial cell damage	\$6,000
1985	*Faculty of Medicine	Tumour immunology	\$4,000

1982	*NH&MRC Fellowship	Mechanisms of alveolar damage	\$104,755 (4 years)
1981	*UWA Saw Fellowship	Lung immunology	\$17,500
1981	*RACP Fellowship	Lung Immunology	\$4,500

## 9 RESEARCH GROUP:

### 9.1 Current Tumour Immunology Group

#### Leadership group

Professor Bruce Robinson  
 Professor Richard Lake  
 Professor Jenette Creaney  
 Professor Anna Nowak  
 Dr Cleo Robinson  
 Dr Scott Fisher  
 Dr Alison McDonnell  
 Dr Andrea Khong  
 Dr Ian Dick

### 9.2 Doctoral/Other Students (past/present)

Ms Sophie Sneddon, PhD student (2013 - )  
 \*Mr Dozie Anyaegbu, PhD student (2010 - )  
 (co-supervised with Dr Scott Fisher)  
 Dr Henry Steer, MD student  
 \*Ms A. Smith, PhD student (2005 to 2009)  
 Mr S. Broomfield, PhD student (2000 to 2009)  
 Ms A Sherwood, PhD student (2002-2006)  
 (co-supervised with Dr R Lake, D Nelson)  
 \*Dr Matt Brown, PhD student (2005-2009)  
 Ms E. Brooks, BSc (Hons) student (2005)  
 Mr Paul Chia, MBBS- Vacation scholarship student (2004-2005)  
 (co- supervised with Dr R Lake)  
 Ms C Bundell, PhD student (2001 -2005)  
 (co-supervised with Dr D Nelson)  
 Ms C Jackaman, PhD student (2001 -2005)  
 (co-supervised with Dr D Nelson, Jane Allan)  
 Dr A. Powell, Medical Research fellow (2003-2004)  
 Dr M Murphy, Medical Research fellow (2003)  
 \*Dr A Nowak (FRACP), PhD student (1999 -2002)  
 (co-supervised with Dr R Lake)  
 Dr J Chan (FRACP), PhD student (1996 -2001)  
 (co-supervised with Dr R Lake)  
 Mr. Ben Talbot, MBBS-BMedSci student (1999-2000)  
 (co- supervised with Dr R Lake)  
 Dr S Mukherjee (FRACP), PhD student (1996 -2000)  
 (co-supervised with Dr B Scott & Dr D Nelson)  
 Dr B McLaren (FRACP), MD student (1997 -1999)  
 (co-supervised with Dr R Lake)  
 Ms A Marzo, PhD student (1996 -1999)  
 (co-supervised with Dr B Scott & Dr R Lake)

\*Ms I Caminschi, PhD student (1994 -1997)  
 (co-supervised with Dr B Scott & Dr M Garlepp)  
 Dr A Davidson, MD student (1994 -1995)  
 Mr A Jarnicki, BSc (Hons) student (1993-1994)  
 (co-supervised with Dr H Bielefeldt-Ohmann)  
 Mr T Venaille, PhD student (1992-1994)  
 (co-supervised with Prof P Holt)  
 Mr D Peroni, MSc student (1992-1994)  
 (co-supervised with Dr M Garlepp)  
 \*Mr C Leong, PhD student (1992-1994)  
 (co-supervised with Dr M Garlepp)  
 \*Dr N Mavaddat, PhD student (1992-1994)  
 (co-supervised with Dr M Garlepp)  
 \*Dr J Upham, PhD student (1991-1994)  
 (co-supervised with Prof P Holt)  
 Ms J Staton, BSc (Hons) student (1993)  
 (co-supervised with Dr H Bielefeldt-Ohmann)  
 Ms J Dench, BSc (Hons) student (1992)  
 (co-supervised with Dr H Bielefeldt-Ohmann)  
 Dr T Christmas, MD student (1990-1991)  
 \*Dr R Bowman, MD student (1978-1990)  
 Mr R Schultz, medical student vacation scholarship (1988)  
 Ms M John, medical student vacation scholarship (1987)  
 Mr J Flexman, medical student vacation scholarship (1986 & 1987)  
 Mr R Blum, medical student vacation scholarship (1986 & 1987)  
 Ms D Urwin, Honours student  
 (co-supervised with Dr R Lake)  
 Mr S Fisher, Honours student  
 (co-supervised with Dr D Nelson)  
 Ms B. Koloska (PhD student) [deceased]

\* received Young Investigator Awards or other similar awards during these studies.

NB. Numerous medical graduates have also undertaken research work in the lab but not to complete PhD or Masters etc. and several have also won young investigator or similar awards from professional societies.

## 10. TEACHING

### 10.1 Experience

Lectures and seminars to medical students in the 3rd, 4th, 5th and 6th years of their course (respiratory diseases, occupational medicine, molecular immunology) plus clinical teaching plus lectures/tutorials to dental medical students, nursing staff, paramedical staff and medical laboratory technologists. Postgraduate tutorials and clinical teaching.

### 10.2 Teaching initiatives

Initiated the following components to the medical school curriculum:

1. Course in 'Communication skills in medicine'
2. Teaching Weekend for final year medical students
3. Course in Medical Research for medical students
4. Seminars on medical education for teachers of clinical medicine

### 10.3 Teaching Committees

1. UDM Academic Staff
2. UDM Local (QEII/MC) Academic Staff
3. Division of Dentistry and Medicine Equipment Allocation Committee
4. Division B Medical Science Working Party
5. Department of General Medicine

6. Department of Respiratory Medicine
7. Teaching and Examinations Committee (1994)
8. RACP Paper C Committee (1991-93)
9. International Conference Committee, American Thoracic Society
10. Cell Biology and Immunology Special Interest Group, TSANZ (Convenor)

#### 10.4 Department of Medicine Special Responsibilities

1. Medicine IV course manager, Sir Charles Gardiner Hospital
2. Medicine IV written examination paper
3. Medicine VI Teaching Weekend (1990-present)
4. Communication Skills Course (Medicine IV, V, VI) (1990-present)
5. Lectures in Medicine III, IV, V, VI (1985-present)
6. Lectures to Dental Medical students (1990-1998)
7. Introductory Course (1988-92)
8. Medical Research Seminars for Medicine VI (1991)
9. Environmental and Occupational Health Seminar for Medicine VI (1990-91)

#### Current:

1. Teaching medical students clinical skills on the Introductory Course
2. Medicine VI Teaching Weekend - Chairman and organiser
3. Communication Skills Course (Medicine IV) - organiser and presenter
4. Lectures in Medicine (lung diseases, TB etc)
5. Medicine IV course co-ordinator, SCGH site
6. Academic mentor sessions to med IV and med VI students
7. CPC speaker
8. Writer of exam questions for written exams
9. Clinical examiner, Medicine IV, V and VI
10. Medical research for clinicians lecture, med IV