

ACFRT Research Projects Funded since inception in 1989.

Year	Total	Project Title	Researchers	Institutions
1989	\$27,932	Investigation of aerosol characteristics for optimal inhalation therapy for infants and young children with Cystic fibrosis.	Dr P. N. Le Souef	Princess Margaret Hospital for Children, Perth Western Australia
1989	\$38,247	Evaluation of neutrophil – medicated damage to human epithelial cells using an airway model system and blood neutrophils plus sputum from CF patients.	Dr Bruce Robinson	University of Western Australia
1989	\$27,000	Predicting the time of death in Cystic Fibrosis by analysis of certain clinical features, eg lass of weight, deterioration in lung function, acquisition of pseudomonas aeruginosa, deterioration in chest radiograph and increasing need of hospitalisation.	Dr Irene Hudson	Royal Children’s Hospital Melbourne
1990	\$3,250	Immunohistochemical studies of pulmonary innervation in CF.	Dr J. Bowden	Flinders University of South Australia
1990	\$40,076	Function of the Cystic Fibrosis Gene.	Dr B. Wainwright	University of Queensland
1990	\$9,435	Study of Mechanisms of inhibition of human neutrophils by mucoid strains of pseudomonas aeruginosa.	Dr J.G. McCormack	Mater Hospital Queensland
1990	\$24,521	Virulence of Mucoid and non-mucoid pseudomonas aeruginosa strains in the rat lung model.	Dr K. Grimwood	Royal Children’s Hospital Melbourne Victoria
1990	\$11,250	Preparation of children for aversive medical procedures.	Ms Jackie Crisp	School of Behavioural Sciences, Macquarie University, Sydney NSW
1991	\$82,989	Are Hepatobiliary Secretions abnormal in CF? (2years)	Dr E.V. O’Loughlin & Dr K. Gaskin	Camperdown Children’s

				Hospital – NSW
1991	\$50,785	Energy Metabolism and body composition of infants with CF.	Dr J. Bines, Dr G Barnes & Prof. P. Phelan	Royal Children’s Hospital, Parkville Victoria
1991	\$35,851	Mucociliary clearance in CF and intervention with Amiloride.	Dr P. Bye	Royal Prince Alfred Hospital – Camperdown NSW
1992	\$47,792	A mouse model for cystic fibrosis.	Dr B. Wainwright	University of Queensland
1992	\$76,272	Cystic Fibrosis cells in culture: A model system for studying the disease and the development of treatment strategies. (2 years)	Dr G. Harper	Adelaide Children’s Hospital South Australia
1993	\$9,941	Assessment of Vitamin E (a-tocopherol) status in CF patients.	Mr N. Badcock, Dr D. Parsons, Dr R. Staugas	Adelaide Children’s Hospital, South Australia
1993	\$33,340	A study of non- invasive nocturnal ventilatory support ACFRT \$33,340 - \$10,000 Government Employees Medical Research Fund	A.Prof. P. Bye, Prof. C. Sullivan	Royal Prince Alfred Hospital, Camperdown NSW
1994				
1995	\$26,253	The diagnosis of Cystic Fibrosis in ^F508 Heterozygous infants with normal sweat chlorides.	Prof K. Gaskin, Dr B. Wilcken, Dr R.J.H. Massie, Dr p. van Asperen	Royal Alexandra Hospital for Children, Pymont Bridge Rd Camperdown
1995	\$37,757	Improving mucociliary clearance in children with CF.	A/Prof. P. Bye, Dr C. Mellis	Page Chest Pavilion, Royal Prince Alfred Hospital Camperdown NSW

1995	\$45,990	The identification of cic- acting elements in the murine CFTR promoter.	Dr B. Wainwright, Dr S.J. Delaney	University of Queensland, St Lucia
1996				
1997	\$40,000	Developing new treatments for Cystic Fibrosis using airway ion transport.	Dr P. Middleton, Dr J.R. Wheatley	Westmead Hospital, Westmead, Sydney NSW
1997	\$40,000	Can exercise training improve fitness in severe cystic fibrosis?	Dr J.M. Morton, Dr T.J. Williams, Dr G.I. Snell, Dr M.J. McKenna	The Alfred Hospital, Prahran, Melbourne, Victoria
1997	\$3,892	Aspiration and early inflammation in pre-symptomatic infants with CF.	Dr C.A. Sherrington, Dr A. Olinsky, Dr A. Catto Smith	Royal Children's Hospital, Melbourne, Victoria
1997	\$30,000	The identification of predictors of the onset of insulin- dependant diabetes mellitus in subjects with CF.	Dr A.M. Cotterill, Dr B. Masters, Dr P. Francis, A/Prof. R. Shepherd	Mater Children's Hospital, Brisbane
1998	\$48,423	Long term administration of Hypertonic saline in Cystic Fibrosis.	A/Prof. P. Bye, A/Prof. C. Mellis, Dr P. Cooper, Dr S. Parsons	Royal Prince Alfred Hospital, Camperdown Sydney NSW
1998	\$37,248	Delivery of deoxyribonuclease (Dnase)) to infants and children with Cystic Fibrosis using different nebuliser system.	Dr S. Devadason, A/Prof. P. Le Souef	Princess Margaret Hospital for Children, Perth Western Australia
1998	\$25,970	Gene therapy for cystic fibrosis airway disease: development and evaluation of a new vector.	Dr D. Anson, Dr D. Parsons	Women's and Children's Hospital ,Adelaide, South Australia
1998	\$47,436	Effect of education on home physiotherapy for children with CF.	Ms J. Downs, Ms S. Giles, Dr S. Jenkins	Princess Margaret Hospital for Children, Perth,

				Western Australia
1998	\$2,330	Measures of exercise in the management of paediatric cystic fibrosis: a study of validation and the effect of treatment.	Dr H. Selvadurai, A/Prof. P. van Asperen, Dr P. Cooper, Dr C. Brimkie	The Children's Hospital Westmead, Westmead, Sydney NSW
1999	\$54,394	Do polymorphisms in genes controlling lung inflammation influence the progression of respiratory disease in Cystic Fibrosis.	Prof. P. Le Souef, A/Prof. J. Goldblatt	University of Western Sydney, Princess Margaret Hospital for Children, Perth
1999	\$32,070	Investigation of neutrophil migration responses and function in children with CF and potential benefits of using macrolide antibiotics.	Ms S. Brennan, A/Prof. P. Sly, Dr D. Cooper	TVW Telethon Institute of Child Health Research, Perth
1999	\$60,000	Role of Protease activated receptors in Cystic Fibrosis lung pathology.	Dr G. Stewart, Dr A. McWilliam	University of Western Australia, Perth
2000	\$34,891	Phospholipid injury to the intestine in cystic fibrosis	Professor K. Gaskin, Dr H. Nouri-Sorkhabi, Dr E. O'Loughlin	James Fairfax Institute of Paediatric Nutrition,
2000	\$43,363	Epithelial ion transport defects in CF: Pathophysiology and treatment	Dr P.G. Middleton	Westmead Hospital, Westmead
2000	\$52,200	Prevalence and predictors of reduced bone density in an adult cystic fibrosis population	A/Prof. J. Wilson, Ms S King, Dr T. Kotsimbos, A/Prof D. Topliss	The Alfred Hospital, Melbourne
2000	\$48,616	Osteoporosis in children and adults with Cystic Fibrosis	Dr S.C. Bell, Dr P Lewindon, Dr C. Wainwright, Dr J. Potter	The Prince Charles Hospital, Brisbane and Royal

2001	\$85,503	Mechanisms for inhibition of amiloride-sensitive Na ⁺ absorption by ATP	Professor K. Kunzelmann,	University of Queensland
2001	\$44,325	Early recognition of sleep disordered breathing in CF	CI Associate Professor P. Bye, CI Associate Professor R. Grunstein, Professor C. Sullivan	Royal Prince Alfred Hospital, Camperdown
2001	\$26,375	Evaluation of a Web-based system for home monitoring in CF	Dr N. Lovell, Professor R. Henry, Professor B. Celler, Ms F Magrabi	University of New South Wales
2001	\$39,681	The role of polyunsaturated fatty acids in CFTR-mediated membrane transport	Dr M. Nouri-Sorkhabi, Dr E. O'Loughlin, Professor P. Kuchel, Professor K. Gaskin	The Children's Hospital, Westmead
2001	\$67,328	Liver disease in CF: Early detection, prognosis, and monitoring of therapy	Dr P Meikle, Dr D Johnson, Dr P Whitfield, Dr P Lewindon	Women's & Children's Hospital, Adelaide
2002	\$113,556	Cross-sectional review to detect respiratory failure in early adolescence	Dr K. Waters, Dr P. Cooper,	The Children's Hospital at Westmead
2002	\$32,545	Epithelial synthesis and production of nitric oxide in infants with Cystic Fibrosis	Dr S. Stick, Dr Legg	TVW Telethon Institute for Child Health, Perth
2002	\$53,220	Synergy testing of multidrug resistant bacteria in CF	A/Prof. C. Harbour, Dr B. Rose, A/Prof P. Bye, A/Prof R. Benn	The University of Sydney
2002	\$85,904	A randomised double-blind trial of long-term Daily versus weekly Azithromycin in CF	A/Prof J. McCormack, Dr S. Bowler, Dr S. Bell, Miss S. Seeney, Mrs K. Walmsley	The Mater Hospital, Brisbane
2002	\$42,829	Urinary markers of lung tissue destruction in CF	Prof P. Sly, Dr S. Brennan, Dr N. Kent	Institute for Child Health Research, Perth

2003	\$113,556	Cross-sectional review to detect respiratory failure in early adolescence	Dr K. Waters, Dr P. Cooper,	The Children's Hospital at Westmead
2003	\$28,954	Antibiotic Resistance and cross infection in <i>Pseudomonas Aeruginosa</i> from Cystic Fibrosis patients	Dr B. Rose, A/Prof. C Harbour, A/Prof P. Bye, Dr J. Iredell, A/Prof S. Bell	Royal Prince Alfred Hospital, Camperdown
2003	\$134,000	Multiple combination bactericidal testing in CF: a randomised trial	A/Prof P. Bye, A/Prof C. Harbour, Dr M. Robinson, Dr B Rose, A/Prof R Benn, A/Prof S Bell	Royal Prince Alfred Hospital Camperdown
2003	\$86,000	Bacterial DNA as a modulator of respiratory epithelial cell function	Dr A. McWilliam, Prof G. Stewart	University of Western Australia, QE11 Medical Centre
2003	\$43,014	Validation of breath condensates to track lung Inflammation in CF	Dr G. Hall, Dr A. Moeller, Dr S. Stick	University of Western Australia (Princess Margaret Hospital for Children) Perth
2004	\$20,000	Lasting gene therapy for CF airway disease	Dr D Parsons, Dr D Anson	Women's & Children's Hospital, Adelaide
2004	\$58,757	<i>Pseudomonas</i> biofilm growth and pathogenesis in cystic fibrosis	A/Prof S Kirov, Dr D. Reid	University of Tasmania, Hobart
2004	\$32,892	he impact of cystic fibrosis on sibling relationships	Ms J. Glazner	Royal Children's Hospital, Melbourne
2004	\$65,000	Fungal exposure and fungal-specific IgE in subjects with cystic fibrosis	Dr E Tovey, A/Prof P. Bye, Dr P. Cooper	Woolcock Institute of Medical Research, Royal Prince Alfred Hospital, Camperdown

2004	\$62,896	Immune surveillance in CF – the role of macrophages and dendritic cells	Dr S. Brennan, DR J. Upham, Dr S Stick, Mr M. Wikstrom	Institute for Child Health Research, Perth
2004	\$171,384	Computed tomographic airway morphometry as an assessment tool of early airway disease in CF.	A/Prof P. Robinson, Dr M. Ditchfield, Dr H. Tiddens	Royal Children's Hospital, Melbourne
2005	\$74,754	Transmission of <i>Pseudomonas aeruginosa</i> : clinical and molecular studies	Dr B.R. Rose, Dr C. Wainwright, Dr J. Manos, A/Prof P.T.P. Bye, A/Prof.S.Bell, A/Prof C. Harbour, Dr M. Nissen, Dr T. Sloots, Dr C. Coulter	Royal Prince Alfred Hospital – carried out at the Department of Infectious Diseases and Immunology, University of Sydney, Sydney & Sir Albert Sakzewski Research Centre, Royal Children's Hospital, Herston
2005	\$23,745	Australian CF sexual and reproductive health (SRH) survey	A/Prof S.M. Sawyer	Murdoch Children's Research Institute – carried out at the Department of Respiratory Medicine, Royal Children's Hospital, Melbourne

2005	\$20,720	The impact of the angiotensin converting enzyme gene polymorphism on skeletal and cardiac muscle function in children with Cystic Fibrosis	Dr H.C. Selvadurai, Dr M. Sherwood, A/Prof P.P. Van Asperen, Dr H.E. Montgomery	The Children's Hospital at Westmead – carried out at Department of Respiratory Medicine, The Children's Hospital at Westmead & Centre for Cardiovascular Genetics, University College, London
2006	\$131,500	Epithelial ion transport defects in Cystic Fibrosis: Pathophysiology and treatment with citrate aerosol	A/Prof. P.G. Middleton, Prof. D.I. Cook	Department of Physiology Westmead Hospital / University of Sydney.
2006	\$44,823	A palliative care plan for progressive, non malignant disease: Cystic Fibrosis	Dr M.B. Braithwaite, A/Prof. J.W. Wilson, A/Prof T.K. Kotsimbos, Dr J.P. Philip, Cr M.G. Gold.	The Alfred Hospital Melbourne
2006	\$60,061	Vitamin A deficiency and retinal function in children with Cystic Fibrosis.	Dr C.M. Suttle, Prof. K.J. Gaskin, Dr J.R. Allen.	Children's Hospital Westmead/ University of Western Australia.
2006	\$78,700	Sequencing of transmissible Pseudomonas aeruginosa from patients with Cystic Fibrosis	A/Prof C. Harbour, Dr B.R. Rose, Dr J. Manos, Dr J. Arthur, A/Prof. P. Bye.	Royal Prince Alfred Hospital/ University of Sydney

2006	\$12,606	Cystic Fibrosis mortality in Australia between 1979 – 2004. The changing demographic disease	Dr D.W. Reid, Dr L. Blizzard, Ms D. Shugg, Dr H. Greville.	University of Tasmania, Menzies Centre for Population Research
2007	\$89,448	Differentiation and immunology of cord blood stem cells: Towards CF therapy.	Prof. R. Williamson, Dr F. Zaibak	The University of Melbourne
2007	\$79,367	<i>Exploring serum antibodies for the early detection of P. aeruginosa in Cystic Fibrosis.</i>	Dr S. Brennan, Prof. P.D. Sly, Dr T.A. Douglas, Prof. K. Grimwood, A/Prof. C.E, Wainwright	Institute for Child Health Research
2007	\$78,660	<i>P. Aeruginosa in cystic fibrosis: determinants of acquisition, virulence & persistence</i>	Dr B.R. Rose, Dr C.E. Wainwright, Dr C. Whitechurch, Dr J. Manos, A/Prof. C. Harbour, A/Prof. P.T.P. Bye, Dr L. Turnbull, Dr D. Armstrong, Prof. K. Grimwood, A/Prof. M. Nissen.	Royal Prince Alfred Hospital
2007	\$58,500	<i>A health economic evaluation of community-wide carrier screening for cystic fibrosis.</i>	Prof. J.P. Hall, Dr R.J.H. Massie, A/Prof. M. Delatycki, Mr K. van Gool	University of Technology, Sydney.
2007	\$51,938	<i>The role of MCP – 1 in Hepatic Fibrosis Associated with Cystic Fibrosis.</i>	A/Prof G.A. Ramm, A/Prof P.J. Lewindon, Dr V.N. Subramaniam.	The Queensland Institute of Medical Research
2007	\$51,317	<i>Early detection of lung disease in cystic fibrosis: a gene expression study.</i>	Dr S.C. Ranganathan, A/Prof. N. Curtis, Dr G.K. Smythe, Prof. R.M. Robbins Browne	Royal Children's Hospital Melbourne
2007	\$19,406	<i>The role of respiratory virus infection in CF lung disease</i>	Dr P.A.B. Wark, Prof. P.G. Gibson, A/Prof. B. Whitehead	The John Hunter Hospital

2008	\$89,335	<i>Characterisation of cord blood-derived lung epithelial cell</i>	Prof. R. Williamson, Dr F. Zaibak.	The University of Melbourne
2008	\$87,879	<i>Unravelling P. aeruginosa iron acquisition mechanisms in vivo: novel insights and potential therapies</i>	Dr D.W. Reid, A/Prof. I.L. Lamont, Mr C.Y. O'May.	Menzies Research Institute, University of Tasmania
2008	\$84,304	<i>Validating 8-oxodG as a biomarker of oxidative stress in children with CF</i>	Prof. P.D. Sly, Dr S. Brennan, A/Prof. A.J. Kettle, Dr M.S. Cooke, Prof. J. Grigg.	University of Western Australia.
2008	\$80,043	<i>Geonomic approach to targeting pseudomonas aeruginosa persistence in the C F airway</i>	Prof. S.A. Kjellberg, A/Prof. S.M. Kirov, Dr J.S. Webb, Dr T. Thomas	University of NSW
2008	\$80,000	Response of paediatric CF-derived airway epithelium to viral injury	A/Prof. S.M. Stick, Dr A. Kicic, Dr E.N. Sutanto.	Telethon Institute for Child Health Research
2008	\$69,695	<i>Does exercise enhance mucus clearance in adults with cystic Fibrosis?</i>	A/Prof. J.A. Alison, A/Prof. P.B. Bye, A/Prof. S. Eberl, Prof. C.M. Mellis, Dr E.D. Daviskas.	University of Sydney.
2008	\$67,750	<i>Establishing the prevalence of clonal Pseudomonas aeruginosa strains in cystic fibrosis clinics across Australia</i>	A/Prof. P. Bye, A/Prof. S. Bell, A/Prof. B. Rose, A/Prof. C. Harbour, A/Prof. G.B Marks, A/Prof. P.J. Robinson, Dr J. Manos.	Royal Prince Alfred Hospital.
2009	\$96,097	<i>Pseudomonas infection as an indirect cause of CF Related Diabetes.</i>	Dr M.A. Cooley, Dr L. Roddam, Dr D.W. Reid, A/Prof A. Jaffe	The Menzies Research Institute
2009	\$83,840	<i>Multilocus sequence typing of Pseudomonas aeruginosa from different niches.</i>	A/Prof. S. Bell, Mr T.J. Kidd, Prof. K. Grimwood, A/Prof. C.E. Wainwright, Prof. P.B. Rainey, Dr M. Hargreaves, A/Prof. M.D. Nissen.	The Prince Charles Hospital

2009	\$79,500	<i>Genomics as a tool to study P aeruginosa lung disease in cystic fibrosis</i>	Dr S. Beatson, A/Prof. B. Rose, A/Prof. C.E. Wainwright, Dr J. Manos, A/Prof. C. Harbour, Dr T. Thomas, Prof. K. Grimwood.	The University of Sydney
2009	\$78,025	<i>Optimal delivery of CF therapy from vibrating membrane (mesh) nebulisers.</i>	Dr S.G. Devadason	The Princess Margaret Hospital
2009	\$67,616	<i>The effect of physiotherapy for airway clearance in people with cystic fibrosis.</i>	A/Prof. P.T.P. Bye, Dr M.R. Elkins, Ms R.L. Dentice, A/Prof. J.A. Alison	Royal Prince Alfred Hospital
2010	\$91,906	<i>Viral burden in infants with cystic fibrosis</i>	Prof. P.D. Sly, Prof. S.M. Stick, Prof. C.F. Robertson, Prof. P.J. Robinson, Prof. C.E. Wainwright, Prof. K. Grimwood, Prof. T. Sloots, Prof. M. Nissen, Dr I.A. Laing.	University of WA – Telet hon Institute for Child Heath Research
2010	\$68,950	<i>Development of a novel assay for the detection of clonal P.aeruginosa in persons with CF.</i>	Dr D.M. Whiley, Mr T.J. Kidd, Ms S. Anuj, A/Prof. C.T. Sloots, A/Prof. S.C. Bell, A/Prof. M.D. Nissen, Prof. K. Grimwood, A/Prof. C.E. Wainwright, Dr R. Ware.	Queensland Children’s Medical Research Institute
2010	\$95,723	<i>Trial of nebulised 0.9% vs 6% saline for people with cystic fibrosis</i>	A/Prof P. Bye, A/Prof A. Jaffe, A/Prof P.A.B. Wark, Dr M.R. Elkins.	Royal Prince Alfred Hospital
2010	\$49,459	<i>CF-IDEA (Cystic fibrosis – Insulin Deficiency, Early Action.)</i>	Dr S. Hameed, Dr C.F. Verge, Associate Professor A. Jaffe.	The Sydney Children’s Hospital
2011	\$92,517	<i>Administration and engraftment of amnion stem cells for treatment of CF.</i>	Prof. G. Jenkin, Prof. E. Wallace	Monash Institute of Medical Research - Melbourne

2011	\$110,749	<i>Localised detection of early stage CF disease via quantitative imaging of lung motion.</i>	Dr DW. Parsons, Dr A. Fouras, Dr KKW. Siu, Prof. S. Hooper, Dr M. Donnelley.	Women's and Children's Hospital – Adelaide
2011	\$80,619	<i>Targeting the Achilles heel of P. aeruginosa biofilms</i>	Dr DW. Reid, A/Prof. SC. Bell, A/Prof. MA Schembri, Prof. IL. Lamont.	Queensland Institute of Medical Research – Brisbane
2012	\$155,829	<i>Brain responses during airway irritation and cough suppression in people with Cystic Fibrosis</i>	Dr M.J. Farrell, Dr S.B. Mazzone & Dr D. Smallwood	Florey Neuroscience Institutes
2012	\$83,048	<i>The role of staphylococcal infections in early cystic fibrosis lung disease.</i>	Dr E. Hart, A/Prof. S. Ranganathan & Prof. R.M. Robins-Brown	The Murdoch Children's Research Institute
2012	\$75,049	<i>The gut-lungaxis: defining and understanding the gut microbiota in cystic Fibrosis.</i>	Dr C.Y. Ooi, Professor A. Jaffe, A/Prof. A.S. Day & Prof. H. Mitchell	The University of NSW
2015	\$588,687	Multi-action antibiotics to treat chronic biofilm infections'	A/ Prof. M. Kelso, A/ Prof. Scott Rice	University of Wollongong, with Nanyang Technological University as the conferring institution.
2016	\$10,000	Psychosocial Research - Gene Therapy	Dr DW Parsons	Women's & Children's Hospital, Adelaide
2017	\$80,000	Investigating the role and therapeutic targeting of iron in cystic fibrosis	Dr J. Horvat, Prof. P Hansbro, and Prof. P. Wark	University of Newcastle
2017	\$5,000	<i>Antimicrobial Resistance in Cystic Fibrosis</i>	A/Prof Scott Bell	Prince Charles Hospital Brisbane