25 years of finding cures & saving lives.
A special message from our Patron for our 25th anniversary

“On this important anniversary, I can only offer my warmest congratulations and very best wishes to all who have been involved with The Prince Charles Hospital Foundation, together with every encouragement to continue supporting its vital work.”

His Royal Highness, Prince Charles KG
Patron, The Prince Charles Hospital Foundation
# Contents

Chairman’s message | 5  
Chief Executive Officer’s report | 6  
Ali’s story | 8  
The Prince Charles Hospital | 10  
About the Foundation | 11  
Simon’s story | 12  
Experienced Researcher Projects | 14  
Derek’s story | 18  
Our Ambassadors | 20  
Corporate partners | 21  
Volunteers | 22  
Community fundraising events | 23  
Men’s and women’s health events | 24  
Friends, partners and supporters | 25  
Novice Researcher Projects | 26  
Maddy’s story | 28  
Novice Researcher Projects | 30  
Our Directors | 32  
Corporate governance | 34  
Standing board committees | 36  
Bequests & donations | 37  
Patrick’s story | 38  
Novice Researcher Projects | 40  
Research equipment grants | 41  
Research grants in payment | 42  
Partnering the hospital | 44  
Nursing | 45  
Research showcase | 46  
Distance travelled | 47  
Putting patients first | 48
The Prince Charles Hospital opened. The Foundation started supporting medical research in 1986.

1987
HRH Prince Charles became our Patron.

1989
Our first year selling Ekka Strawberry Sundaes raised $20,604 for research grants.

1990
The Prince Charles Hospital Foundation Chair of Cardiac Surgery established.

1992
Foundation funded 8 research projects and Senior Lecturer in Cardiovascular Medicine.

1995
Mr Paul Kearney became the Foundation’s 10,000th donor.

1997
Mrs Karen Sander received the 100th heart transplant at The Prince Charles Hospital.

1994
The Foundation took over management of the hospital canteen.

2000
New Breeze Café officially opened 1 July.

2003
Professor Peter Doherty AC became the first Woolcock Orator, after the Bequest from Mrs Dorothy Woolcock.

2010
Novice Researcher and Equipment Grants introduced.

Total of $10,864,070 awarded to research since 1990.
“Four years ago, I thought I’d be winding up the Foundation. Now it’s strong enough to weather the financial storms.”
When I was asked to take on the role of Chairman by the Health Minister four years ago, the organisation faced multiple challenges. We are now a strong, financially healthy organisation which weathered both the global financial crisis and the summer of natural disasters.

This year the Foundation celebrates its 25th anniversary. Despite the uncertainty of the times, we have had an excellent year.

In August we had our most successful Ekka, making $147,000 from the sale of strawberry sundaes. We could not have achieved that milestone without the support of the 1500 people who volunteered over the 10 days to chop strawberries, scoop ice cream and serve customers. Thank you to all of you, and to everyone who bought a sundae from a Foundation stall over the past 21 years we’ve been at Ekka.

Supporting our researchers and their life changing work is, of course, our premier purpose. We celebrated research excellence at our Generation R event in October, which followed the hospital’s highly successful research day. I am always amazed at the incredible work which has international impact and hearing the presentations at the research day left me astounded at the ingenuity of our research community.

In December Rachael Bermingham signed on as our Ambassador for Women and Healthy Families. Rachael is an inspiration to everyone as a busy mum, author and public speaker. It’s fantastic to have someone like Rachael prepared to talk to her fans about the brilliant work being done by our researchers.

We are thrilled to have been chosen by Queensland Rail staff as one of their top five non profit partners for the next two years. This partnership means that staff can choose The Prince Charles Hospital Foundation for their payroll donations and will fundraise for us on the platforms twice a year.

We have built some strong relationships with companies who are passionate about supporting research and I’d like to thank our long term supporters Baulderstone, Kedron Wavell Services Club and Q Invest.

Thank you to Kate Ashton and the Foundation staff for their work during the year. I also thank my fellow board members Bernard Curran, Brad Edwards, Karenlee Spillane, Jon Roberts, Raynuha Sinnathamby, Terry Sullivan, Greg Meek, Toby Innes, Peter Tyquin and Jacqueline Ryan for their efforts in steering the ship.

John Hamilton, Chairman
Over the past 25 years, the Foundation has consistently supported world leading medical research to save the lives of the many thousands of people with heart and lung diseases. We have expanded our research funding to cover orthopaedics, mental health, general medicine, allied health and research equipment.

The Prince Charles Hospital Foundation has made significant strides this year. In January, with Queensland facing huge floods and cyclones, we reassessed our goals for the year to prepare for fewer donations. There was no way anyone could predict the next few months of ongoing tragedy in Australia and in our neighbouring countries New Zealand and Japan.

We are extremely grateful to our supporters for not only continuing to make donations, but for also increasing their support in a time when we were hearing other charities had cancelled appeals due to donor fatigue.

This was the third year the Foundation had a formal budget and strategic plan. As a non profit organisation which receives no government funding, we are conscious of the amount of money spent on the daily business of just keeping the doors open.

The Foundation manages the Breeze Café and a portfolio of investments to offset administrative costs, which cover 93% of our running costs.

According to The American Institute of Philanthropy, the Foundation is in the most efficient category by spending more than 75% on charitable objectives. The Australian industry average is 81 cents in every donated dollar to the charitable object of the not-for-profit. We achieve very well with 93 cents of every donated dollar going to our charitable objective of funding medical research.

This year the Foundation ran our first major appeal in many years, with great success. If you haven’t seen our appeal material, please take a few moments to read the wonderful stories of Patrick Zimmermann, Brooke Seymour and Keoni Hoyland on our appeal website www.findingcures.com.au.

The appeal was significantly boosted by the support of our local business community. In particular, Westfield Chermside, Kitten D’Amour, Myer and Event Cinemas which all participated in our ‘saving women’s hearts’ promotion in May, which also included our first women’s health event, Hearts, Heels and Health.
During the year we finalised our refit of the Breeze Café kitchen, with the support of the hospital, which is the first stage of improving our café presence.

The Foundation was extremely pleased to be chosen as the featured charity partner of the 2010 State of the State event in September. The event was an excellent opportunity to introduce the work of the Foundation and the research we support to a new audience of senior business people.

Throughout the year we have continued to develop relationships with companies who are keen to support research.

We were thrilled to be chosen as one of Queensland Rail’s top five non profit partners for 2011 and 2012. This relationship will give us the opportunity to share the stories of patients whose lives have been saved by the hospital not only with the many Queensland Rail employees throughout Queensland, but also with their customers through in-train advertising and on-platform collections.

I would like to conclude by thanking the people that make this great work of finding cures and saving lives possible: thank you to our staff, our Board members, all of our supporters, and of course, the talented and dedicated researchers at The Prince Charles Hospital.

Kate Ashton, Chief Executive Officer

1 Figures from Givewell, leading organisation researching charities’ income and expenditure in Australia, 2009.
Heart disease: The biggest killer of Aussie kids.
25 years of saving lives with cardiac research.
Ali, 13: saved.

Heart strong
Ali Hassan is your average over-achieving, world-champion teenager.

At 5 years old, Ali's mum Jo took him to the doctor thinking he had the flu. A few months later, Dr Peter Pohlner repaired a 3cm hole in Ali's heart.

Now 13, Ali plays A-grade rugby union, skates, rides a BMX, represents Queensland as a taekwondo black belt, and holds all the Australian and most of the world titles for his age group in footbiking.
In July, the hospital celebrated the milestone of its 200th lung transplant, only a few months after transplanting the 300th heart.

The hospital has specialist expertise in orthopaedics, including orthogeriatrics, mental health, emergency and critical care medicine.

Over recent years, the hospital has been expanding its general surgical and internal medicine programs, with a particular emphasis on integrated geriatric care and rehabilitation.

The Prince Charles Hospital is Queensland’s major cardiothoracic centre.

The Prince Charles Hospital is recognised for its world class medical research, with many researchers participating in or leading Australian and international projects.

The hospital’s major expansion program continued this year with construction starting on the paediatric emergency department, due to open in 2012. This will be the northside centre for emergency paediatric care. The project includes redeveloping the very busy education centre.

During 2010-2011, the hospital had 37,502 admissions, including 23,212 overnight. It had 588 beds.

Throughout the year there were:
- 966 stent procedures
- 425 pacemakers and 202 defibrillators implanted
- 523 coronary bypasses
- 769 joint replacements
- 2,196 General Surgery procedures
- 166,806 Outpatient Clinic attendances

I am extremely pleased that the relationship between the hospital and our charity partner continues to go from strength to strength.

Ali: world champ, drummer, heart disease survivor.
The Prince Charles Hospital Foundation is the charity which supports research at The Prince Charles Hospital.

The Foundation was created by Order in Council on 20 November 1986, under the Hospitals Foundations Act 1982.

Our Patron is His Royal Highness Prince Charles KG, the Prince of Wales.

We are governed by a Board of Directors who are appointed by the Governor-in-Council through the recommendation of the Queensland Minister for Health for up to four-year terms.

The Foundation has only 8.2 staff for delivering the following six functions: grants, media and marketing, fundraising, accounts and audit, events and general management. In addition, we run the on-site food and beverage outlet where our priorities are healthy food, increased income and promoting research work.

The Foundation has developed a unique grants framework comprising of four grants programs - Experienced Researcher Project Grants, Novice Researcher Project Grants, Small Equipment Grants, and Large Equipment Grants. We are one of the few funding bodies world-wide that supports novice researchers and research equipment grants.

Throughout the year the Foundation runs various fundraising events and activities. There are a minimum of six key events in a year: the Woolcock Oration, the Ekka which forms our largest single community fundraising project with more than 1500 volunteers, the Golf Day, the Bowls Day, the Men’s Health Lunch and the Women’s Health networking event.
Fixing broken hearts for 25 years.
Young hearts

Born a ‘blue baby’ with congenital heart disease, 24 year old Simon Clutterbuck has been a patient of Dr Dorothy Radford since he was an infant. He has had several surgeries including implanting a mechanical aortic valve, shunts and a pacemaker.

After recently graduating with a Bachelor of Arts, Simon is now studying library and information systems. Dr Radford is leading the care of adults who were born with congenital heart disease, a relatively new area of medicine.
Through our research funding, we support translational research, improve patient outcomes and invest in the next generation of researchers.

$10,864,070 in research funding since 1990.

**Associate Professor Peter Molenaar**  
*Pharmacologist*

**Contribution of phosphodiesterase enzymes to beta-blocker effects in human heart failure, $92,419**

Drugs called beta-blockers (β-blockers) are used in the management of heart failure. They work by ‘blocking’ β-adrenoceptors, thereby stopping harmful signalling pathways caused by β-adrenoceptors. β-blockers have also been found to increase the levels of the PDE enzyme.

Using samples of hearts from people who have received a heart transplant, this study will investigate the effect that chronic administration of β-blockers has directly on PDE in the human heart.

As not all patients will have taken β-blockers prior to transplantation, the researchers can compare the levels and activity of PDE in hearts from patients taking or not taking β-blockers.

**Associate Professor Ian Yang**  
*Thoracic Physician*

**Preventing the effects of air pollution in the lungs, $107,941**

Air pollution is estimated to be responsible for up to 6% of total deaths. In particular it’s believed that vehicle exhaust emissions are increasing worldwide causing higher levels of ultrafine particles in the air.

This research will address the question of what can be done to reduce the toxic effects of air pollution on the lungs. Ultrafine particles are highly breathable and increasingly recognised as an important toxic component of particulate air pollution leading to inflammation and oxidative stress. The first barrier reached by ultrafine particles in the airways is the bronchial epithelium where toxic changes occur.

By identifying the effects of air pollution, treatments can be tested to reduce the toxic effects of air pollution for patients with chronic lung disease.
Associate Professor Yin Xiao  
**Bone tissue engineer, Medical Engineering Research Facility**

**A novel early intervention of osteoarthritis treatment, $71,500**

Osteoarthritis (OA) is the most common skeletal disorder in people over 50 years old, affecting approximately 1.4 million Australians, or approximately 7.3% of the population.

Currently total hip or knee replacement is the only effective option to restore patient mobility. Anti-analgesics and inflammatory medication are used to soothe the symptoms, but do not prevent cartilage degeneration and disease progression.

In his previous work, Associate Professor Yin Xiao has demonstrated the altered bi-directional communication between bone and cartilage in the microenvironment of OA, which leads to disease progression. This project will test the hypothesis in a rat OA animal model that blocking a specific cell signalling pathway will slow down OA disease progression. The successful outcome of this project would pave the way for subsequent clinical trials.

Dr Stephanie Yerkovich  
**Chief Scientist, Queensland Centre for Pulmonary Transplantation and Vascular Disease**

**Identification of the different pathways associated with fibrosis formation after lung transplant, $84,250**

Australia has one of the highest post-transplant survival rates in the world, but long term survival following a lung transplant can be significantly reduced due to the development of fibrosis in the airways. The reasons why this occurs are unknown. This project aims to identify mechanisms that contribute to the fibrosis, by looking at biological pathways and factors that may induce it. The identification of key molecules involved in the process will allow for future therapies, so that the relatively poor survival rates following lung transplantation can be improved.

Dr Maria Nataatmadja  
**Post doctoral research fellow**

**Aortic aneurysm and atherosclerosis – cause and effect relationship, $89,650**

Aortic aneurysm can develop without symptom and is often discovered by accident or after it has ruptured. Surgical repair is the only effective treatment, however the cause of aortic aneurysm is unknown.

Atherosclerosis is often found with abdominal aortic aneurysm but not with thoracic aortic aneurysm. The link between atherosclerosis and abdominal aortic aneurysm is unknown, but it’s believed that aneurysm may form where there is an abnormal regulation of inflammatory and stem cells. This study aims to determine whether normalisation of growth factor signalling pathways leads to adjustment in inflammatory and stem cell regulation.

The study will improve understanding of the aneurysm development and may identify treatment to prevent or reverse aneurysm formation.
Experienced Researcher Projects

Ms Amanda Corley RN
Intensive Care Nurse

Does the use of high flow nasal oxygen therapy improve lung function after open heart surgery in obese patients? $59,574

Almost one third of open heart surgery patients are classified as obese. These patients are more prone to post-operative complications, particularly lung collapse, and recover more slowly. This increase in complications and slower recovery leads to longer intensive care unit and hospital stays.

Previous research has shown that using high flow nasal prongs creates positive airway pressure and that patients who are obese receive greater benefit from the positive effects of HFNP. Previous studies also showed that the patients’ oxygen levels improved and their breathing felt more comfortable with the HFNP. Therefore, it is necessary to further investigate the effects of HFNP on obese patients after cardiac surgery, in an attempt to reduce complications, particularly lung collapse.

Associate Professor John Fraser
Director, Critical Care Research Group

ECMO, blood transfusion and trace elements, $102,960

Extracorporeal membrane oxygenation (ECMO) is a heart/lung machine that replaces the carbon dioxide in blood with oxygen, giving the organs a chance to rest and heal after injury due to infection or trauma. In 2009, ECMO saved many lives in the swine flu outbreak. However, when blood moves across foreign surfaces it causes inflammation, cell injury, upsets the coagulation system and results in bleeding, requiring blood transfusions.

This study aims to use a sheep model of ECMO to identify how different components of ECMO cause injury. Such knowledge will help improve the survival of patients on ECMO and prepare for future flu pandemics. This knowledge will also help with other forms of extracorporeal treatment such as cardiac bypass and haemodialysis.

Ms Annette Dent
Chief Scientist, Respiratory Investigations Unit

Electronic nose to diagnose lung disease in high risk groups, $86,475

Early detection of life-threatening diseases such as lung cancer and post lung transplant rejection and infection would allow patients to be treated before the disease is too advanced for effective treatment. Measurement of volatile organic compounds (VOCs) in a patient’s exhaled breath may represent a non invasive tool that may detect early stage disease.

The aim of this study is to measure the compounds in exhaled breath in high risk groups for the early detection of lung cancer, and post lung transplantation rejection and infection.

Thank you to the Foundation Research Committee:

Professor Keith McNeil
District CEO Metro North

Dr Francis Kinnear
Senior Medical Officer, TPCH Emergency Department

Professor Catherine Turner
Head of School of Nursing & Midwifery, University of Qld

Dr Daniel Chambers
Queensland Centre for Pulmonary Transplantation & Vascular Disease
Anaerobically fermented lamb liver extract, $40,000

Lamb liver has been shown to contain a number of different compounds which may have nutritional or medicinal benefits. A study has been approved to test the effects of anaerobically fermented lamb liver extract on the expression of genes involved in liver function and cancer development in mice. The study will determine the potential of this extract as a potential therapeutic agent for the treatment of liver diseases.

Associate Professor Peter Dwyer
Professor of Surgery, University of Queensland

Dr Jenny Paratz
Department of Medicine, University of Qld

Professor Malcolm West
Department of Medicine, University of Qld

Associate Professor Darren Walters
Director of Cardiology, TPCH

Associate Professor Scott Bell
Director of Thoracic Medicine, TPCH

Dr Michael Ray
Haematology, TPCH
Research to breathe new life.
Breathing in life

Seven years ago, Derek Infield got new lungs and within three months he was back on his windsurfer.

Now Mr Mum to his five-year old sons Lachlan and Ryan, Derek’s making the most of life, getting back into the sports he always loved - swimming, running, surfing and trampolining.

Derek’s physiotherapist James Walsh works with cystic fibrosis and transplant patients. He’s currently researching how people recover after transplantation and doing his PhD into exercise and lung disease.

Derek Infield and physiotherapist James Walsh
Our Ambassadors

The Foundation has three ambassadors who help raise awareness of the importance of medical research.

The Hon Wayne Swan MP
Ambassador for Men’s Health
The Deputy Prime Minister and Federal Treasurer is passionate about men’s health, having survived prostate cancer. Mr Swan is our special guest speaker for our annual Men’s Health and the Economy lunch in June. He is dedicated to educating men about the importance of regular medical checks and not taking your health for granted.

Rachael Bermingham
Ambassador for Women and Healthy Families
As a busy mother and author, Rachael understands how easy it is for women to forget about their own needs to care for others. She launched her newest cookbook at the hospital with a percentage of sales from the day going to the Foundation.

Sharif Deen
Ambassador for Healthy Lifestyles
After losing almost half his body weight as a contestant on the Biggest Loser in 2009, Sharif committed himself to healthy living. He became a fitness instructor and personal trainer, opening his own business Sharifit. Sharif braved the stormy December weather to support Baulderstone’s corporate health challenge which raised money for research into the BiVACOR™ artificial heart.

Derek: windsurfer, transplant recipient, loving dad of twins.
Corporate Partners

The Prince Charles Hospital Foundation has multi-year agreements to support research with Baulderstone, Q Invest, Kedron Wavell Services Club and Queensland Rail.

Queensland Rail staff volunteer Nerida Marshman collecting donations at Central Station in June (photo courtesy Queensland Rail).

Baulderstone is committed to $150,000 over three years to support the BiVACOR™ artificial heart project. In addition, staff ran a corporate health challenge to raise money for this world leading research and the company held a fundraising dinner to celebrate the completion of the Gatton Prison. Baulderstone provided additional support of $200,000 through refurbishing the BiVACOR™ lab.

A long term supporter of the hospital, Kedron Wavell Services Club formalised their commitment with a three-year funding agreement. The $150,000 funding supports dedicated nursing research projects and facilities for Palliative Care patients.

In addition to providing $25,000 over five years, Q Invest seeks ways to engage their staff in fundraising activities and volunteering at the Ekka. Q Invest staff also fundraised by kayaking 50km down the Brisbane river.

We were extremely pleased to be chosen as one of Queensland Rail’s top five non-profit partners for 2011 and 2012. Queensland Rail staff raised funds at city stations and are able to choose the Foundation for payroll donations. We will also be able to advertise in-trains during our appeal.
As a charity, we rely on wonderful volunteers to help us with events and various activities.

Our biggest fundraising event of the year is the Ekka, where we sell strawberry sundaes. Over 1500 people volunteered to make and sell sundaes over the 10 days of Ekka.

We also run fundraising raffles several times a year and call for support for mail outs and other administrative tasks every now and then.

Special thanks to Carmel O’Brien, Di Wheeler, Laura Marshall, Nita Kennedy, Theresa White, Charlie’s Angels, Heart Support and Barry and Gail Gablonski for their help throughout the year with fundraising, events and administration.

Thanks to these groups for volunteering or fundraising throughout the year:

- Arthritis Foundation of Queensland
- Aspley Lions Club Inc
- Australian Pensioners & Superannuants League
- Chermside Meals On Wheels Inc
- Ex-POW Association Ladies Auxiliary
- Ex-Naval Social Bowls Club
- Geebung Pensioners Club Inc
- Queensland Heart Patients Support Group Inc
- John Oxley Region Girl Guides
- Kyogle Hospital Auxiliary
- Ladies Midweek Squash Fixtures
- Lions Club of Clifton Inc
- Lions Club of Ingham Inc
- Lions Club of Woodridge Kingston Inc
- Logan Diggers & District Services Club
- Logan District Naval Assoc
- Mundubbera Jaycettes
- Order of the Eastern Star Mundubbera Chapter No. 144
- Order of the Eastern Star No 161
- Queensland Lung Transplant Support Group Inc
- RAOB GLQ Ken Law Lodge 21
- Rotary Club of Mirani Inc
- Sea of Faith in Australia (SoFIA)
- Springwood Tri-Services RSL
- Order of St John of Jerusalem
- The Artists’ Guild of Australia (Qld)
- The Naval Assoc. of Australia
- Wavell Heights Uniting Church Indoor Bowls
- Welcome Wagon of Australia Inc
We had an excellent turn out for the Ekka, raising nearly $150,000 for research - our best Ekka yet. Prior to the Ekka starting, we toured our ice cream sundae mascot Charlie around Brisbane for some sightseeing and promotion.

Our annual charity golf day at Virginia Golf Club in November was a great success, thanks largely to the wonderful Barry and Gail Gablonski for their organisation of the day. Thanks also to our sponsors Roof Racks Galore, Community Sector Banking, Club Coops, AST AUTO Accessories, Australian Global Freight, ROAM Consulting, AGFA Health Care, Indy Industries, Chermside Battery World, McInnes Wilson, UV4X4 and Dialogue Financial Management.

May was a huge month for the Foundation with several events to support our major appeal. We were extremely pleased to be invited to speak and collect donations at Event Cinema Chermside’s Chicks@theFlicks night. We were also invited to participate in Westfield Chermside’s fashion hub with two patients being the day’s models.

With support from Everton Park Bowls Club, our barefoot bowls day in May was excellent. The team from Pitstop also turned up to give the men quick chassis checks and some health education. Thanks to the Lord Mayor’s Suburban Initiative Fund, Councillor Norm Wyndham, Murray Watt MP, Podiatry Point, Top Taste, MBF and Westpac for sponsorship of the event.

The Foundation was thrilled to be chosen by CEDA as the charity partner of the 2010 Premier’s State of the State event, which raised $3000 for research funding.
We support our researchers and hospital by helping educate people about their health.

The select 80 guests at Hearts, Heels & Health were treated with healthy and easy to prepare gourmet treats from celebrity chef Dominique Rizzo who answered questions about her own routines to juggle her busy home and work life.

Heart failure survivor Brooke Seymour shared her personal story of discovering that what she thought was the normal tiredness of a new mum was actually a dangerous heart infection. Brooke was listed for transplant but through the excellent care of The Prince Charles Hospital’s heart failure service, she has been taken off the list and is able to live a normal life.

Cardiologist Dr Elisabeth Donnelly talked about the incidence and signs of heart disease in women and Leader of the House the Honourable Ms Judy Spence MP shared her personal experience of her mother’s heart attack.

The event was sponsored by Westpac and held in the foyer of the city branch.

Our special guest speaker for the Men’s Health event was Federal Treasurer and Deputy Prime Minister, the Honourable Mr Wayne Swan MP. Mr Swan is the Foundation’s Ambassador for Men’s Health.

Guests were also treated to the amazing survival story of Patrick Zimmermann, an active and extremely fit father of two who collapsed with a massive heart attack at his karate dojo just before Christmas. Patrick’s saviour, the incredibly modest cardiac nurse, Glenda Robinson, was amongst the guests.

Special thanks to Medtronic Australasia who supported the event with an unrestricted educational grant.

With a strong focus on awareness, the Foundation held its first annual women’s health event - Hearts, Heels & Health - in May, followed by our second annual Men’s Health & the Economy lunch in June.
Thank you to these businesses who’ve supported us through the year.

Clockwise from top left: Cr Norm Wyndham; Myer Chermside’s Emma and Roger with our staff; IGA Superpharm Zillmere presenting a cheque to our staff; St John of Jerusalem with our CEO Kate; Brooke Seymour and Westfield Stylist Kim Ring.

The Order of St John of Jerusalem
Westpac
Fernwood Fitness Centre
Goodlife Health Clubs
Myer Chermside
Westfield Chermside
Kitten D’Amour
Sportscraft
Event Cinemas Chermside
Wagamama
Nando’s
IGA Superpharm Zillmere
Medtronic Australasia
Podiatry Point
The Book Warehouse - Aspley
Bias Boating Warehouse

Shaver Saver Chermside
MBF Chermside
Bunnings
Panda Pearls
Kwik Kopy Geebung
Brisbane City Council
Councillor Norm Wyndham
The Hon Murray Watt MP
Top Taste
River Life
O’Reilly’s Retreat
Stamford Plaza
Victor Foote
Homestyle Bakery
Everton Park Bowls Club
Cloud 9
The Foundation is dedicated to supporting the next generation of researchers who will continue to find cures and save lives.

$177,411.29 for first-time researcher projects.

During the financial year, the Foundation awarded 20 Project Grants (Novice Researcher), totalling $177,411.29. These grants are available to people at the hospital who have never received funding for research.

Ms Amanda Love  
Speech Pathologist (Orthopaedic Surgery)

Dysphagia as a consequence of falls in the elderly, $6,978.92

Illness and injury can exacerbate the natural changes to swallow mechanism in elderly people which can lead to malnutrition and dehydration. Speech pathologists can work with patients to improve this delayed swallow function. No research has been done into the contribution of speech pathologists in the care and recovery of elderly falls patients. This project focuses on patients in The Prince Charles Hospital’s dedicated hip fracture ward to identify the incidence of dysphagia (impaired swallowing) and the importance of the role of speech pathologists in treatment of this condition.

Dr Kiran Shekar  
Staff Specialist, Intensive Care Unit

To study the absorption and possible loss of sedative and analgesic drugs in artificial heart and lung circuits, $9,997.84

The Prince Charles Hospital is Australia’s leader in the use of extracorporeal membrane oxygenation (ECMO) for intensive care patients. However, not much is known about the impact of ECMO on the effectiveness of sedatives and pain medications which are given to patients in intensive care. Dr Shekar is using a simulated environment to test the absorption of these medications by the ECMO fibres to determine an appropriate drug protocol for intensive care patients undergoing extracorporeal membrane oxygenation.

Ms Elsa Garcia  
Biomedical engineer

Modelling of the mock circulation loop to mimic the ventricular responses of a normal beating heart, $9,898.28.

Ventricular assistance devices are used to support patients in heart failure. Most devices are able to support only the left or right side of the heart. The mock circulation loop has been developed as a tool for testing ventricular assist devices, including the BiVACOR™ artificial heart which would support both sides of the heart.

While it provides a testing environment for various cardiac functions, the loop is not able to fully mimic a human heart. This project focuses on enhancing the mock circulation loop to provide a more naturalistic response when new ventricular assistance devices are tested.
Predictable if risks are identified and patients are aware of the factors which may lead to a fall. It’s believed that the fear of falling may increase a patient’s likelihood of falling. This study is focussed on reducing the fear of falling by identifying risks and improving patient mobility to further reduce the risks of falling.

Ms Jessica Mayrseidl
Clinical Nurse

Exercise and sleep in heart failure, $5,379

People with heart failure commonly also suffer sleep disorders including insomnia, restless leg, and sleep apnoea leading to daytime sleepiness and poor quality of life. Physical activity lacks many of the side effects of sleep medications such as confusion and falls, and can improve vitality, strength and quality of life while reducing the severity of symptoms, depression and pain.

This study trials a three month hospital-based exercise program to reduce heart failure symptoms and improve patient sleep, compared to standard heart failure management.

Dr Felicia Goh
Research scientist

Altering outcomes from exacerbations of chronic obstructive pulmonary disease, $10,000

Chronic obstructive pulmonary disease is a life threatening lung condition. Sputum samples from patients hospitalised with acute exacerbation of chronic obstructive pulmonary disease will be tested to measure the levels of inflammatory markers, cytokine expression, immune response and neutrophil activation.

The severity of the exacerbation will be characterised clinically, and patients will be followed up at recovery (six weeks from date of admission), and until the next exacerbation. It is anticipated that biomarkers of immune and inflammatory responses will individually and collectively predict the severity, recovery and recurrence of COPD exacerbations.
Around 1700 Australians are awaiting an organ transplant.
BiVACOR™: heart of the future.
Maddy, 20: saved.

Three days after her mum took her to the doctor for looking a bit off, 17 year old Madison Annibale was on a heart support machine in intensive care at The Prince Charles Hospital.

Two months later, she had a new heart.

Now 20, Maddy is studying to be a video game designer at QUT.

The BiVACOR™ team, including Dr Dan Timms and Shaun Gregory, are putting the finishing touches on a world class implantable artificial heart which will save lives of people like Maddy in the future.

The Foundation is supporting the development of the BiVACOR™ heart, providing over $300,000 worth of research funding and helping to secure corporate partners.
Ms Gabriela Simonova
Biomedical engineer
Super glue – super effective for patient intravenous cannulae fixation? $9,609.60
Intravenous drips are an extremely common method of providing hydration and medication to patients in hospital. IVs are attached with sticky dressings to prevent the tube from being affected by the patient’s movement, catching or pulled by gravity, but in up to 40% of cases the tube may be blocked or dislodged. This study compares skin glues as an alternative to the adhesive dressings currently used. Skin glue would allow patients to shower without replacing dressings and may reduce the likelihood of the IV falling out.

Ms Lisa Moore
Physiotherapist
Mobilisation of hospital patients with acute heart failure, $7,034.78
People with stable heart failure in the community are encouraged to take an exercise program, but there is no determined appropriate program for patients who are hospitalised for acute heart failure. This study pilots a tailored
supervised exercise program for heart failure patients in hospital with the aim of developing a program which can become a standard element in patient care. A successful in-hospital exercise program may reduce length of stay in hospital and improve quality of life.

Ms Sandra Hyde
Psychiatric nurse and PhD candidate
Development of a comfort zone for distressed people with mental health problems, $9,654.14
Australian legislation currently allows for mental health patients suffering distress which may lead to self-harm to be secluded and sometimes restrained. This can cause patients to feel they are being punished. The Mental Health Unit is trialing an innovative comfort zone which will allow patients to self-manage their distress by being in a comforting environment furnished with therapeutic materials. The project is managed by psychiatric nurses with the aim that patients will eventually be able to admit themselves to the comfort zone as necessary. The project has also been supported with a small equipment grant.

Dr Anthony Attakaran
Senior Registrar, Intensive Care Unit
Predicting recovery in geriatric patients with community acquired pneumonia, $9,062.81
Elderly people are frequently admitted to hospital during winter with community acquired pneumonia. In up to 20 per cent of cases, an elderly patient may die within a year of leaving hospital after treatment for pneumonia. The current standard pneumonia severity index is not specifically designed for elderly people with additional health problems. The Prince Charles Hospital is a leader in multidisciplinary geriatric care. This study uses a comprehensive geriatric assessment process incorporating medical and allied health professionals to determine the requirements of elderly patients with pneumonia and predict the medium and long term outcomes of patients.
Ventricular Assistance Devices (VADs) are used to support the heart during cardiac failure. Devices currently available are able to support the left or right sides of the heart, but are not entirely suited to biventricular support. This project compares methods of controlling a biventricular system to prevent ventricular collapse caused by suction in the system, using the mock circulation loop developed by the BiVACOR™ team with funding from the Foundation.

**Ms Johanna Schagen**
**Honours Student**

**Diagnosing malignancy in fluid around the lung, $7,441.00**

Lung cancer and mesothelioma can cause excess fluid in the pleural space around the lung. Accurate and rapid diagnosis of mesothelioma and lung cancer is important to help patients receive the best care. This study will test promising protein and molecular genetic markers which will enable rapid diagnosis of mesothelioma on simple pleural fluid based tests and will represent a major development in management, avoiding invasive diagnostic procedures.

**Ms Petra Lawrence**
**Registered Nurse**

**Assessment of levels of anxiety and distress, and alcohol consumption and their co-relationships in a hospital emergency department, $9,855**

Almost one in every five Australians experiences some form of mental illness during their life and this is projected to increase. The number of people with mental health disorders who present to ED is increasing significantly. An estimated 75% of presenting with alcohol or drug problems are also experiencing mental health problems. This study will look at the relationship between mental health and alcohol in emergency department attendees.

**Ms Margaret Passmore**
**Senior Research Assistant, Critical Care Research Group**

**Pathogenesis of aortic valve stenosis, $9,960.75**

Aortic valve disease is expected to increase with the aging population. Currently around 1000 Queenslanders have a valve replacement each year due to severe aortic valve disease. This study looks at whether a specific protein plays a role in the development of calcified aortic valve disease. By better understanding how the disease progresses, it may be possible to find ways to treat or prevent aortic stenosis.
Our Directors

The Foundation’s Directors are appointed by the Queensland Minister for Health.

Cheryl Burns, Chris Sartori, Dr Colin Brennan and Chris Mullins retired from the Board in December 2010. Peter Tyquin and Jacqueline Ryan joined the Board in February 2011.

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Designations</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Hamilton</td>
<td>LLB</td>
<td>Chairman, The Prince Charles Hospital Foundation; Principal, McInnes Wilson Lawyers; Director of the Queensland Education Leadership Institute Limited</td>
</tr>
<tr>
<td>Bernard Curran</td>
<td>CA</td>
<td>Chair, Foundation finance committee; Partner, BDO (Qld); Chair, National Entrepreneurial Client &amp; Services Division, BDO Australia; Chair, Finance &amp; Audit Committee, Crèche &amp; Kindergarten Assoc (Qld)</td>
</tr>
<tr>
<td>Terry Sullivan</td>
<td>BEd</td>
<td>Acting Chair, TPCH Health Community Council; Former State Member of Parliament (1991-2006)</td>
</tr>
<tr>
<td>Jon Roberts</td>
<td>BComm ACA</td>
<td>Secretary, The Prince Charles Hospital Foundation; Executive Director, The Prince Charles Hospital</td>
</tr>
<tr>
<td>Raynuha Sinnathamby</td>
<td>BA LLB MBA</td>
<td>Deputy Managing Director, Springfield Land Corporation; Vice President, Property Council of Australia; Chairperson of Residential Committee, Property Council of Australia</td>
</tr>
</tbody>
</table>

Cheryl Burns, Chris Sartori, Dr Colin Brennan and Chris Mullins retired from the Board in December 2010. Peter Tyquin and Jacqueline Ryan joined the Board in February 2011.
Our Directors

Peter Tyquin
Company Director, GOA Billboards

Jacqueline Ryan
BBusAcc MBA
DipFP AAICD
Director, Institutional Relationships Australia, ANZ Institutional Banking

Toby Innes
BApSc Property Econ, GC App Fin & Investment Leasing & Business Development Manager, Brisbane Airport Corporation

Greg Meek
BComm FCA FAIM
National Business Development Manager, Herbert Geer Lawyers; Former Deputy CEO, Committee for Economic Development of Australia

Karenlee Spillane
GDComm (F’raising)
GAICD MAIM MFIA
CEO, Royal Children’s Hospital Foundation; Board member, Queensland Children’s Medical Research Institute

Brad Edwards
LLB
Group General Counsel, Bank of Queensland Limited

Peter Tyquin
Company Director, GOA Billboards

Jacqueline Ryan
BBusAcc MBA
DipFP AAICD
Director, Institutional Relationships Australia, ANZ Institutional Banking

Toby Innes
BApSc Property Econ, GC App Fin & Investment Leasing & Business Development Manager, Brisbane Airport Corporation

Karenlee Spillane
GDComm (F’raising)
GAICD MAIM MFIA
CEO, Royal Children’s Hospital Foundation; Board member, Queensland Children’s Medical Research Institute

Peter Tyquin
Company Director, GOA Billboards

Jacqueline Ryan
BBusAcc MBA
DipFP AAICD
Director, Institutional Relationships Australia, ANZ Institutional Banking

Toby Innes
BApSc Property Econ, GC App Fin & Investment Leasing & Business Development Manager, Brisbane Airport Corporation

Karenlee Spillane
GDComm (F’raising)
GAICD MAIM MFIA
CEO, Royal Children’s Hospital Foundation; Board member, Queensland Children’s Medical Research Institute

Peter Tyquin
Company Director, GOA Billboards

Jacqueline Ryan
BBusAcc MBA
DipFP AAICD
Director, Institutional Relationships Australia, ANZ Institutional Banking

Toby Innes
BApSc Property Econ, GC App Fin & Investment Leasing & Business Development Manager, Brisbane Airport Corporation
The Prince Charles Hospital Foundation formally reports each year to the Minister for Health, Queensland Government through submission of an annual report including financial statements.

The Foundation is a statutory body incorporated under the Hospitals Foundation Act 1982 by Order in Council dated November 1986.

The Foundation Auditors are Priestleys Chartered Accountants, L1 217 Logan Rd, Woolloongabba Qld 4102.

The role of The Prince Charles Hospital Foundation Board includes:

- Providing strategic direction
- Ensuring fiscal accountability
- Undertaking fiduciary duties
- Monitoring & improving organisational performance
- Ensuring compliance with statutory and governance responsibilities

Strategic Direction

During 2010-2011, the Board refreshed its work of the previous year and updated the strategic planning documents. Moving from a Three-Year Strategic Directions Document to a Four-Year Strategy, the Board updated its strategic objectives.

Instead of the following three strategic objectives: to be a recognised brand, to increase income stream; and to realise the potential of the Breeze Café, the Foundation now has the following three strategic objectives: to be a recognised brand, to increase income stream and to increase distributions to support medical research.

Fiscal Accountability

The Foundation retains high standards of internal financial monitoring and accountability. The organisation now consistently uses an annual planning cycle, strategic reviews, monthly, quarterly and bi-annual review mechanisms and reports to the Board to pre-planned time frames.

Internal tools include a relevant and updated strategic plan, an annual budget, re-forecasting, and monthly reporting to the Finance Committee with additional new reports as required. Staff increasingly take responsibility for expenditure and reporting and each month an all-staff meeting reviews how actual performance is tracking against organisational plans.

The Foundation has only 8.2 staff for delivering the following six functions: grants, media and marketing, fundraising, accounts and audit, events and general management. The Foundation operates with 20 full-time equivalents in its café function.

Fiduciary Duties

The Board takes its responsibilities to direct the Foundation seriously. Strategic planning is supported by the work of the Board’s Strategy Committee.

There are six Board meetings, held bi-monthly which are supported by a full pack of reports for Directors. A Director’s Pack is circulated annually to Directors, which includes Conflicts of Interest guidance.
Declaration of conflicts of interest is a standing item agenda on the Board agenda.

Board members serve in an honorary capacity and therefore do not receive any remuneration. This applies to all costs. Board members contribute their time, skills, travel costs and all additional attendance as sub-committees and relevant Foundation functions.

Training and opportunity to participate in Board development is available as a standing offer. Board members are actively invited to participate in courses, especially those offered by AICD for Board members (paid by the Foundation).

During 2010-2011, the Board built on the work undertaken the previous year and endorsed the Foundation’s Risk Framework which was implemented during the year and reviewed twice. This was complimented by the development of an up-to-date Workplace Health & Safety Framework and training for key personnel.

Monitoring & Improving Organisational Performance

Continuing Development of the Breeze: The new kitchen development went live in October 2010. After the final reporting and closing out of all aspects associated with the re-development project, the Breeze Reference Group was started in Jan 2011.

The purpose of this committee is the operational development of Breeze in tune with hospital and health preferences that will maximise the value of the capital infrastructure investment.

There are three priorities for the group: helping the café provide the right food menu for a specialised cardiac hospital, supporting increase in customer base to increase net profit, and refining how to promote the brand of the Foundation, ie to increase support for medical research.

Communications

Building on the refreshment of our logo and enhanced understanding of the components of our brand from last year, this year the Foundation “went to the market” with an appeal.

For the first time the Foundation went out to the general community by sending information to 65,000 households in 11 suburbs.

Additionally, for the first time ever our material included the word “appeal” and requested support to achieve a key specified dollar target.

We are proud to thank our supporters and to reflect that despite the challenging times of the post-GFC world (global financial crisis) and the additional hardship endured by Queenslanders in 2011, we have increased the numbers of people willing to help find cures and save lives through medical research. Thank you.

Our campaign website is www.findingcures.com.au and feeds to the Foundation website www.tpchfoundation.org.au

Supporting Staff to Deliver

The Foundation makes a specific contribution to offering relevant and inspiring training opportunities to staff so that individuals have the opportunity to develop themselves and their contribution in the workplace.

Foundation staff have regular management meetings, an annual operating plan, KPIs and regular performance reviews supported by documented HR files and written records.
Standing Board Committees

Through our standing committees, we draw on people with expertise in skills and processes to ensure transparency and high quality outcomes.

Research Committee

**Purpose:** oversight of Grant Framework for applications and grants in payment

**Chairman:** K McNeil

**Members:**
S Bell, D Walters, D Chambers, M West, M Ray, C Turner, F Kinnear, J Paratz, J Hamilton, K Ashton & M Woodgate (staff)

Development Committee

**Purpose:** development of external relationships

**Chairman:** G Meek

**Members:**
J Hamilton, T Innes, B Edwards, B Curran, K Ashton & M Edwards (staff)

Finance Committee

**Purpose:** oversight of financial governance, financial reporting, audit and risk

**Chairman:** B Curran

**Members:**
J Hamilton, C Mullins, T Innes, J Ryan, C Sartori, J Roberts, K Ashton (staff)

Strategy Committee

**Purpose:** development of strategic process and documents

**Chairman:** B Curran

**Members:**
J Hamilton, B Edwards, G Meek, K Ashton (staff)

Additional Board Committees during 2010-2011

Breeze Re-development Committee

**Purpose:** governance of Breeze kitchen re-development project

**Chairman:** C Sartori

**Members:**
J Hamilton, Bernard Curran, J Roberts, K Ashton & R Dawson (staff)

Breeze Reference Group

**Purpose:** development of Breeze in line with hospital & health preferences

**Chairman:** K Ashton

**Members:**
K Atkinson, S Sutherland, D Tibby, T Innes, B Proud, E Carrigan, A Littler, S Fankhauser & S Lee (staff)
During 2010-2011, The Prince Charles Hospital Foundation and Trust received 4140 donations totalling $1,214,298.

These included:
4016 donations of up to $500
54 donations of $501 - $1,000
40 donations of $1,001 - $5,000
30 donations over $5,000.

Our Christmas and June appeals received 3079 donations amounting to $249,809.70.

Payroll Donors

The Foundation has a payroll donation program which allows staff at The Prince Charles Hospital to make donations from their fortnightly pay.

There were 277 people making payroll donations throughout the year. These people contributed $29,291.

The Foundation is also able to arrange payroll donations for people who are not Queensland Health employees.

If you would like to find out how you can make regular payroll donations, please contact our office on (07) 3139 4636.

Friends

We have received support from the following external trusts and foundations:

Perpetual Philanthropic Services
Enid Jackson Bequest
Myer Stores Community Fund
Gambling Community Benefit Fund
ANZ Trustees: Thomas Hanley Kelly and Winnifred Jean Kelly Memorial Fund
Collier Charitable Fund
Rebecca L Cooper Medical Research Foundation Limited
Queensland Community Foundation

The Foundation received bequests from the following estates, totalling $582,120.

Estate of Adrian C Soeterboek
Estate of Lyle John Lute
Estate of Reginald James Chivers
Estate of Gloria May Lowe
Estate of Rhona Edith Dooley
Estate of Stephan Starepawo
Estate of Lance Albert Basnett
Estate of Norma Estelle Jondahl

This included disbursements from the HC & SM Robjohns Memorial Trust and the Patrick & Dorothy Woolcock Medical Research Fund amounting to $233,649.69.

To find out how to make a gift to The Prince Charles Hospital Foundation in your Will, please contact us on (07) 3139 4636 or write to us.

Suggested wording is also available on our website www.tpchfoundation.org.au
Preventing heartbreak.
25 years of finding cures for heart disease.

Patrick, 44: saved.

Open heart minus the surgery

Patrick Zimmermann dropped dead from a massive heart attack at his karate dojo.

He was rushed to The Prince Charles Hospital where cardiologist Dr Darren Walters cleared the blockages in his heart caused by a liver condition.

Dr Walters, Australia’s leading cardiac catheter specialist, says in the past few decades, the advancements in heart techniques is like the difference between being hit by a Mack truck and being hit by a scooter.

Patients can have life saving valve replacements and stents inserted without even cutting open their chest. For Patrick, that means walking out of hospital only a day after being clinically dead for nearly 20 minutes.
Novice Researcher Projects

Mr Jonathon Taylor
Critical Care Research Group
Applying a sheep model to characterise coagulation changes of patients on ECMO, $8,502
TPCH is Queensland’s principal centre for extracorporeal membrane oxygenation (ECMO) and has performed over 30 cases. Although limited to specialised centres, ECMO is now considered to have an established role in selected cases of respiratory failure and with a mounting volume of evidence to support its use in adult acute lung injuries, particularly swine flu, demand is likely to increase significantly. An improved understanding and a rapid means of assessing changes in blood coagulation would enable prevention and more successful management of coagulation problems in ECMO.

Mr Anthony Yuen
MPhil Candidate
Pilot study on the effect of materials and pulsatility on haemocompatibility and platelet activation of blood pumps, $9,998
The BiVACOR™ artificial heart is approaching its first pre-clinical trials. Current research into ventricular assistance devices show that infection and bleeding are the most common complications associated with existing devices. Patients can also experience clotting and damage to the blood cells. Using a mock circulation loop, this study will look at the specific effects of the BiVACOR™ heart on platelets and the body’s inflammatory response.

Ms Kylie Parsonson
Research scientist
New methods of suppressing lung cancer, $9,913
Lung cancer is the leading cause of cancer death in Australia. MicroRNAs (miRNAs) are emerging as key players in cancer including lung cancer. A greater understanding of the biological pathways involved in the origin of lung cancer is required in order to identify key biomolecules that could be of significant clinical value, either through serving as prognostic or diagnostic markers, or as targets for development of novel therapies to treat this disease.

Ms Jessica Hopper
Occupational therapist
Work after Lung Transplantation, $6421.51
This is the first research project in Australia into attainment and maintenance of employment for people after lung transplantation. The results will inform both healthcare professionals and patients regarding outcomes of transplant with regard to gaining / returning to employment, as well as identifying areas requiring further research. Specifically, the information will be used to direct interventions and research to assist lung transplant recipients to gain and maintain employment. If the interventions are successful, they will have great benefits for the community including, adding to the skill mix, increased financial input into the community as a result of increased finances available to the participant, and decreasing dependence on Government disability pensions.

Patrick: loving dad, karate black belt, heart attack survivor.
We introduced Small and Large Research Equipment grants in 2010.

Large Equipment Grants can be used to fund up to half the cost (no more than $50,000) of a piece of research equipment. Matched funding from another source must also be available.

Dr Stephanie Yerkovich
Chief Scientist, Queensland Centre for Pulmonary Transplantation and Vascular Disease
Applied Biosystems 7900 FAST Real-time PCR machine with both 384 and 96 well fast blocks, $46,499.78

Associate Professor Ian Yang
Director, Respiratory Research
Microcentrifuge, $8,189

Professor Kwun Fong
Director, Thoracic Oncology Research
Cassette microwriter, $21,381

Dr Kiran Shekar
Staff Specialist, Intensive Care
Inverted phase contrast microscope, $6,574

Associate Professor John Fraser
Director, Critical Care Research Group
Thermo Scientific Forma Ultra-low -80 degrees C freezer, $7,995

Mr Shaun Gregory
Biomedical Engineer
Two channel perivascular flow meter with sensors, cables and fittings, $19,000

Dr Suzanne Kuys
Principal Research Fellow (Allied Health)
Mega Electronics Ltd Wireless Bio Amplifier (WBA) system for surface electromyography (EMG), $20,525

We introduced Small and Large Research Equipment grants in 2010.

Small Equipment Grants are for pieces of research equipment up to $5,000 which will be used by more than one project or research group.

Mr James Walsh
Senior Physiotherapist
Micromedical super spiro, $5,000

Dr Vandana Relan
Thoracic Research Scientist
Shaking waterbath, $3,598
Liquid nitrogen tank, $3,885

Dr Jivesh Choudhary
Cardiac Surgical Fellow
HERAcell 150i CO2 single chamber stainless steel interior incubator, $5,000

Mrs Jessica Collis
Occupational Therapist
Various items for use by occupational therapist to support sensory modulation in Medium Secure Unit of TPCH, $3,642.57

Mr Shaun Gregory
Biomedical Engineer
Power supply and data transfer assembly, $4,581.90

Dr Daniel Timms
Biomedical Engineer
Power amplifiers, $4,060

$159,931 for 14 essential research equipment grants.
The Foundation continued to fund research projects totalling $1,637,709, in addition to new grants awarded during the 2010-11 financial year.

$1,637,709 in continued funding for research projects

- **Mr Charles McDonald**
  **Senior Cardiac Perfusionist**
  Changes in trace element levels as a result of absorption by the cardiopulmonary bypass (CPB) circuit

- **Mrs Indira Prasadam**
  **Orthopaedic Research Scientist**
  An in vivo study of Extracellular Receptor Kinase 1/2 signalling pathway modulation as a treatment option of osteoarthritis

- **Dr Daniel Smith**
  **Cystic Fibrosis and Research Fellow**
  Effect of AGER gene polymorphisms on lung function and sRAGE levels in subjects with COPD

- **Ms Vanessa Moore**
  **Clinical Nurse Consultant**
  Losing a Parent: A new phenomenon for adults with cystic fibrosis

- **Dr Bajee Krishna Sriram**
  **Thoracic Research Scientist**
  The clinical utility of novel pleural fluid methylation biomarkers in the diagnosis of malignant pleural mesothelioma and lung cancer

- **Mrs Maria Martins**
  **Thoracic Research Scientist**
  The clinical utility of high resolution melt analysis in detecting EGFR mutations in the serum of lung cancer patients

- **Ms Paula Ve**
  **Clinical Nurse Consultant**
  Review of appropriateness of patient-directed information in pulmonary arterial hypertension

- **Dr Rachel Thomson**
  **Thoracic Physician**
  Genes, infection and chronic lung disease

- **Mr Shaun Gregory**
  **Biomedical Engineer**
  Optimisation of the VAD-patient interface to improve rotary and pulsatile VAD efficiency and reduce the occurrence of ventricular suck-down events

- **Ms Sue Martin**
  **Clinical Nurse**
  Early mobilisation of patients following ST-elevation myocardial infarction and successful treatment: a pilot study
Ms Morgan Davidson  
Thoracic Research Scientist  
Lung cancer microRNA molecules

Ms Annette Dent  
Chief Respiratory Scientist  
The use of an electronic nose to detect chronic lung disease

Ms Jill Larsen  
Thoracic Research Scientist  
What causes lung cancer in non-smokers?

Dr John Fraser  
Director Critical Care Research Group  
How cardiac surgery without pumps affects neutrophils;  
Towards a sheep model of transfusion reactions

Ms Santiyagu Savarimuthu  
Thoracic Research Scientist  
Immune response to bacteria in people with COPD;  
Emphysema severity genes

Dr Kwun Fong  
Thoracic Physician  
Viruses and lung cancer;  
Tumour recurrence and oncogenes in amplified/deleted chromosomal regions

Dr Rayleen Bowman  
Thoracic Physician  
Mechanisms of lung cancer development related to genetic disposition;  
Asbestos-related lung cancer;  
Discovery of active new drugs in malignant mesothelioma

Ms Amanda Corley  
Clinical Nurse  
How does the position of the patient and different airway suctioning techniques affect the breathing of patients who are receiving artificial ventilation?

Dr Mark Hansen  
Staff Specialist, Medical Imaging  
Comparing CT scan with ultrasound in determining coronary artery blockages

Dr Daniel Timms  
Biomedical Engineer  
Design and evaluation of new cannulae for bi-ventricular assist devices

Dr Scott Bell  
Thoracic Physician  
Haemochromatosis gene mutations modify disease severity in cystic fibrosis

Dr Ian Yang  
Thoracic Physician  
Targeted smoking cessation in a CT lung cancer screening program

Ms Morgan Davidson  
Thoracic Research Scientist  
Lung cancer microRNA molecules

Ms Annette Dent  
Chief Respiratory Scientist  
The use of an electronic nose to detect chronic lung disease

Ms Jill Larsen  
Thoracic Research Scientist  
What causes lung cancer in non-smokers?

Dr John Fraser  
Director Critical Care Research Group  
How cardiac surgery without pumps affects neutrophils;  
Towards a sheep model of transfusion reactions

Ms Santiyagu Savarimuthu  
Thoracic Research Scientist  
Immune response to bacteria in people with COPD;  
Emphysema severity genes

Dr Kwun Fong  
Thoracic Physician  
Viruses and lung cancer;  
Tumour recurrence and oncogenes in amplified/deleted chromosomal regions

Dr Rayleen Bowman  
Thoracic Physician  
Mechanisms of lung cancer development related to genetic disposition;  
Asbestos-related lung cancer;  
Discovery of active new drugs in malignant mesothelioma

Ms Amanda Corley  
Clinical Nurse  
How does the position of the patient and different airway suctioning techniques affect the breathing of patients who are receiving artificial ventilation?

Dr Mark Hansen  
Staff Specialist, Medical Imaging  
Comparing CT scan with ultrasound in determining coronary artery blockages

Dr Daniel Timms  
Biomedical Engineer  
Design and evaluation of new cannulae for bi-ventricular assist devices

Dr Scott Bell  
Thoracic Physician  
Haemochromatosis gene mutations modify disease severity in cystic fibrosis

Dr Ian Yang  
Thoracic Physician  
Targeted smoking cessation in a CT lung cancer screening program
Throughout the year, we have sought external support for specific projects or programs outside of the grant rounds to add extra benefit to the hospital.

With the new paediatric emergency department opening in 2012, we have looked for partners who could help with additional items needed. Aquatic Achievers raised $10,000 through its five swim schools to help purchase an infant warmer for the resuscitation room.

As the only on-site food outlet, the Breeze Café offers a discount to hospital staff.

We provide auspicing for research groups to seek external funding and participate in workshops to help people write better grant applications.

At the hospital research day, the Foundation ran a very popular workshop to help researchers promote their work to the wider community.

In addition to funding research, the Foundation strives to be a good partner to our hospital.

Help find cures
The Prince Charles Hospital Foundation is a not for profit organisation.

All donations over $2 are tax deductible and a tax receipt will be issued.

Donations can be made:

online at www.tpchfoundation.org.au;

by phoning (07) 3139 4636;

in person at Level 1, Administration Building, The Prince Charles Hospital;

by post to TPCH Foundation, 627 Rode Rd Chermside Qld 4032.
The Foundation has supported the Evidence Based Nursing Research program since 2004.

Last year we signed a formal agreement with Kedron Wavell Services Club to provide $30,000 a year for three years to support nursing research.

In addition, nurses are encouraged to apply for project and equipment grants through the Foundation’s annual funding rounds.

Critical Care nurse Amanda Corley has been successful in attaining funding for various research projects through the Experienced Researcher Project Grants program over the past few years.

Amanda received an award for research excellence at the annual International Nurses Day celebration on May 12, the anniversary of Florence Nightingale’s birth.

The event is sponsored each year by the Foundation and this year was also supported by Jacob’s Bakery at Aspley which provided the delicious cake.

Practical nursing research is essential for patient wellbeing.

From left to right: cardiac nurse Glenda Robinson has been nominated for a Pride of Australia award for resuscitating Patrick Zimmermann after his heart attack at karate class; Amanda Corley receives her nursing research excellence award from Kedron Wavell Services Club manager Lyndon Broome; Nursing & Midwifery Executive Director Debra Cutler and Foundation CEO Kate Ashton cut the cake.
The Foundation hosted Generation R, a networking event for researchers and local businesses to mingle.

It followed the hospital’s research day, with presentations from researchers at all levels and from across various fields.

The evening included presentation of the endowment from the Patrick and Dorothy Woolcock Medical Research Fund, managed by Queensland Community Foundation.

The Medical Engineering Research Facility, MERF, was the perfect venue for a research soirée.

Clockwise from top right: John Hamilton, Dr Scott Bell & the Hon Stirling Hinchliffe MP; mocktail bar; Stirling Hinchliffe MP, Kate Ashton, and Queensland Community Foundation’s Tim Feely & Anne Callet; Q Invest’s Justin and Jason with Prof Paul Fulbrook; Carla from Baulderstone with Pele & Andrew from Goodlife.
Putting patients first.
If you have difficulty in understanding the annual report, you can contact us on (07) 3139 4636 and we will arrange an interpreter to effectively communicate the report to you. This report is available online at www.tpchfoundation.org.au.

7 years of saving lives with dedicated nursing research.

QuESt for life

Faster recovery and fewer complications will help patients get home sooner. Thanks to the Quality Effectiveness Support Team and their resources and expertise across the hospital, we ensure best practice is the standard.

QuESt monitors patient falls and has implemented a hospital-wide falls program to reduce the fear of falling, which can increase the likelihood of falls.

Using history’s most famous faller, Humpty Dumpty, as their mascot, QuESt provides education and support for nurses and patients.

Quality Effectiveness Support Team members Kerry Roosen RN, Matthew Blaney EN and Clinical Nurse Consultant Tracy Nowicki.