

INSPIRED
GIVING
2013



THE UNIVERSITY OF
SYDNEY

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The University of Sydney thanks alumni, friends, organisations and estates for their generous support. This year the honour roll will be available online. If you would like to receive a hard copy please contact meghan.knox@sydney.edu.au.

sydney.edu.au/inspired

INSPIRED – the Campaign to support the University of Sydney

Our INSPIRED Campaign aims to raise \$600 million from 40,000 supporters to fund the pursuit of ideas that will shape the world in which we live.

We embarked on the Campaign in January 2008. From day one, we decided that every person who made a gift, regardless of the amount, would be contributing to our goal.

By launching the largest fundraising campaign in the nation's history, we are leading the way towards a new era of partnership with the community we serve.

Since the Campaign began we have exceeded 60 percent of our total monetary target and reached 80 percent of our target of 40,000 donors. In total, we raised \$82.5 million from 12,225 donors last year.

As our INSPIRED Campaign continues to break fundraising records, it is increasingly

clear that our supporters are highly engaged with our work and share our passion for making a difference – they are inspired by the work we do and we are inspired by their vision of the future.

We thank you for your continued support, and invite you to read on to discover the impact of your giving.

Continue giving at sydney.edu.au/inspired

Thank you



Inspirational teamwork: Dr Michael Spence, Vice-Chancellor and Principal, is pictured with student volunteers. Photography: John Feder

A message from the Chancellor



The University of Sydney is a community unlike any other. We are home to talented people of all backgrounds, where big ideas are part of the fabric of daily life and lead to out-of-the-ordinary outcomes. We are a community that thrives with your support.

Since our inception more than 160 years ago, the insight and generosity of our benefactors has impacted what we do. Your philanthropy forms the foundation of our success. By supporting our students and scholars, and by sharing our passionate commitment to the transformative power of research, you are helping us make a real difference, both now and in the future.

I would like to take a moment to acknowledge and thank our 2013 Campaign board for their commitment throughout the year. As the talented individuals behind *INSPIRED – the Campaign to support the University of Sydney*, they continuously work hard to make a difference to our community. As we move ahead in 2014, I would personally like to welcome our new board members: Mr Mick Boyle, Mr Hugh Harley, Dr Phillip Hofflin, Dr Colin Johnson, Mr Anthony Lee, Ms Samantha Meers and Ms Josephine Skellern.

I am delighted that our donor community continues to grow, enabling our University to solve some of the biggest problems of our time. This community includes people like Maurice Renshaw, who is helping to fund research in asthma, and

the Tenix Foundation, which is supporting Professor John Mitrofanis's research into using infrared light in the treatment of Parkinson's disease.

Many of our students have also benefited from your generosity, including Kayleigh Ellis who has been supported by a gift in memory of Marie Wilkinson. Marie was one of our most energetic and inspirational staff members for more than a decade. Her partner's decision to support students in the field of social work celebrates and furthers her work as an admired and respected teacher, public service adviser, policy advocate, and social worker. Students like Kayleigh continue to be supported each year through this annual award.

This edition of *INSPIRED Giving* is filled with stories just like these.

I would ask that you join me in giving our students and the wider community the motivation to stay passionate and inspired each day. By working together, and with your continued support, I know we will ensure the University remains a dynamic centre of learning – a world-renowned teaching and research institution where people can make a real difference for generations to come.

Belinda Hutchinson AM
Chancellor

“By supporting our students and scholars, and by sharing our passionate commitment to the transformative power of research, you are helping us make a real difference, both now and in the future.”

“Working with our generous donors and finding ways to translate their passions into real outcomes is one of the most exciting parts of my job.”

A message from the Vice-Chancellor

Thanks to our 12,225 donors last year – the youngest just eight years of age, the oldest 110 – we are continually realising our dreams and showing the community that we can make a difference not only to this remarkable country, but internationally as well.

As you'll read in this edition of *INSPIRED Giving*, 2013 was an outstanding year. We continued to break national fundraising records. In May, we publicly launched INSPIRED, our Campaign to support the University of Sydney, and I am proud to announce that we are more than 60 percent of the way towards our goal of raising \$600 million.

'Inspired' really is an appropriate name for our campaign. Working with our generous donors and finding ways to translate their passions into real outcomes is one of the most exciting parts of my job, allowing me to help people realise their and our dreams. But just as important is working in a place that is continually enhancing its ability to serve our community and benefit the wider world.

This year we are seeing the vision of our far-sighted donors brought to life through the transformative work of our multidisciplinary research and education centres. Among them

is the Charles Perkins Centre, which aims to ease the burden of obesity, diabetes and cardiovascular disease by uniting bright minds across a multitude of disciplines. This centre allows us to collaborate and forge innovative research partnerships, develop cross-disciplinary teaching programs and inspire the next generation of researchers and practitioners. Without philanthropy, centres like this would simply not exist.

Our donors understand what we're doing – making a great institution even greater. You place your confidence in us. A successful campaign will ensure that we can remain a place of exceptional scholarship, world-class facilities, and brilliant research, particularly at a time when the fiscal landscape is changing.

Once again, we have set ourselves some bold targets for the year ahead and I invite you, our supporters, to join with our staff and students to make 2014 another groundbreaking year for philanthropy in Australian higher education.

Dr Michael Spence
Vice-Chancellor and Principal



Highlights

The Campaign in numbers



DONORS

33,000

donors – standing shoulder to shoulder they would fill the University's Great Hall 55 times



GIFTS



\$379 million

raised to December 2013

\$114

the amount we need to raise every minute until December 2017

Since the Campaign began in 2008 our goal has been to raise \$600 million from 40,000 donors – we're more than halfway there.



\$114 million

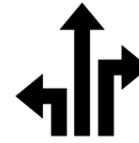
of legacy income received

IMPACT

5

Campaign priorities:

- our students
- our academics
- our research
- our Indigenous pathways
- our environment



1 vision
becoming
a reality
thanks to
you



110 and 8

the ages of our oldest and youngest donors

1232

student donors – lying head to foot, they would circle the Quadrangle nine times

3

multidisciplinary centres established where teaching, research and ideas combine



14

chairs established to help recruit, retain and honour the world's leading academics



6454

services to Aboriginal and Torres Strait Islander people provided by the Poche Centre for Indigenous Health



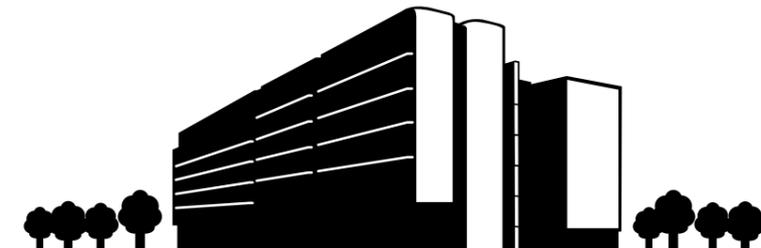
62,000

disadvantaged school students supported to pursue higher education through the Compass program



900

researchers supported to solve a global health epidemic through the Charles Perkins Centre, housed in the newly built research and education hub





AIM To develop a device to put near infrared light (Nir) inside the brain, closer to the disease

INTRODUCTION

- near infra red light (Nir), when applied externally, is neuroprotective to dopaminergic cells in parkinsonian (MPTP-treated) mice
- Nir thought to improve mitochondrial function of cells to resist parkinsonian insult
- Nir neuroprotective when applied from inside the brain?
- experiments important for future work in "BGG" brains: putting Nir close to diseased cells

THE DEVICE

- optical fibers linked to light emitting device (LED)
- use of mice as prelude to monkeys/humans

RESULTS:

- lateral ventricle

RESULTS: toxicity of tissue

- what do the implant sites look like?
- any toxicity?

CONCLUSIONS

- new device for light delivery, offers neuroprotection
- a first step

Shining a (red) light on Parkinson's disease

Infrared heat lamps for treating aches and pains have been part of the home medical arsenal for more than half a century. But now it looks like red light can do more than soothe muscles; it can reinvigorate brain cells and may stave off Parkinson's disease.

By Aviva Lowy

Professor John Mitrofanis of the Sydney Medical School has been researching the use of infrared light in the treatment of Parkinson's disease, with great success.

"Infrared light has been used for a long time as an analgesic of sorts, to relieve pain," he says. "Even the ancient Egyptians had a sense of the healing properties of coloured lights."

John's interest in Parkinson's disease was serendipitous.

"My first love was exploring brain circuitry, figuring out how little bits of the brain work. I was focusing on a small area and hadn't yet figured it out, when I heard that some surgeons had stuck an electrode in that exact region by mistake and discovered that stimulating this part of the brain gave relief from symptoms of Parkinson's disease."

The revelation gave John the explanation for the latest part of his brain-mapping puzzle. Instead of continuing to 'fill in the blanks', he decided to concentrate on this new group of brain cells and undertake research with the aim of clinical application.

Supported by funding from the Tenix Foundation, he went looking for a treatment for Parkinson's disease.

Hypothesising that infrared light might slow or stop the progression of the disease, he tested the light on mice, to assess feasibility on a living animal. As mice don't suffer from the disease naturally, it had to be induced.

"The mice provide a good model for Parkinson's disease, as their brains show the pathological circuitry of the disease, but they display no tremor or major movement disturbance. You wouldn't think they were disabled at all."

Exposing these mice briefly to a red light once a day had an extraordinary effect. It helped the brain cells survive and stopped cell death. Furthermore, bathing in the red light had no side effects, such as one might expect with a medication. Far from causing distress, the light seemed to soothe the mice.

"They appeared very sedate and calm when they were under it," he says.

"Even the ancient Egyptians had a sense of the healing properties of coloured lights."

New insights: Professor John Mitrofanis of Sydney Medical School is pictured left.
Photography: John Feder

“Without the foundation’s support, the higher degree students who come through my lab wouldn’t have the opportunity to go on with their studies.”

Seeing the light

Infrared light treatment has been shown to assist cell survival in a range of brain pathologies.

“In animal models of Alzheimer’s disease, multiple sclerosis, retinal degeneration and traumatic brain injury, infrared light has improved cell survival and function. It’s quite far-reaching and seems to work on the same principle of stopping damaged cells from dying. If you cause damage to a cell by any means, the red light will activate something within that cell to help it survive.”

Because the technology behind these amazing results is so simple, John says the biggest problem at the moment is getting people to believe him and his university colleagues, Professor Jonathan Stone and Dr Daniel Johnstone.

“Even when I first heard about infrared light treatment I thought, ‘that can’t be right’.”

As the treatment works using a light anywhere along the infrared wavelength of 600-1000nm, his results have been achieved by shining a lamp with a red globe. As far as non-invasive therapies go, it doesn’t get much more harmless than that.

“It’s a protective thing. It’s like boosting the batteries of the cell. And there are no reports of the red light having any toxic effect.”

At the start of 2014, John began collaborating with a French group to trial infrared treatment in monkeys. His colleague Professor Alim-Louis Benabid is the pioneer of the main surgical treatment of Parkinson’s disease, namely deep brain stimulation, which involves implanting an electrical pulse generator in the brain.

“With Parkinson’s disease, a specific group of cells in the brain begins to die. We suspect that in the majority of cases a toxin is involved in harming the cells, but we haven’t identified it yet. Unfortunately, most people only present symptoms when the disease has progressed quite far, and about 70 percent of these cells have already died.”

The diagnosis usually occurs once patients develop a tremor, slow down or become clumsy because intricate movement becomes difficult.

Until now, there has been no treatment to stop or slow down the progression of the disease. As John puts it: “We haven’t been able to stop cells dying.”

Current medications only address the signs of the disease.

Parkinson’s disease is not considered fatal. Although life expectancy is a little shorter than average, individuals with Parkinson’s disease can live a relatively long time, but

their lifestyle is severely compromised. Thus, the burden of the disease is drawn out.

Tenix Foundation is the major funder of John’s work, and he is “forever grateful” for this support.

Over the past decade, the foundation has done more than just assist him in seeking new treatments for a debilitating disease, it has helped build the next generation of medical researchers.

“Without the foundation’s support, the higher degree students who come through my lab wouldn’t have the opportunity to go on with their studies,” he explains. “Tenix funds their places.”

Michael Lindsay, the foundation’s director, expresses the pleasure his organisation receives from being able to support John and his team of dedicated scientists as they work towards a cure for Parkinson’s disease.

“The team has progressed their research with tenacity and professionalism over the years,” Michael says. “We are delighted that a relatively simple and inexpensive treatment may provide relief for patients in the future.”





For the little ones

In the remote West Australian towns of the Fitzroy Valley, alcohol abuse has played a large and sinister role in the community. It has been implicated in high rates of domestic violence, car accidents and early mortality, especially from suicide. But researchers at the University of Sydney are helping to turn this around.

By Aviva Lowy

Alcohol consumption can lead to tragic consequences for adults, but its effects on unborn children are even more insidious. Alcohol is a toxin which, if used in pregnancy, can permanently damage the developing fetus, leading to various Fetal Alcohol Spectrum Disorders (FASD). These are characterised by a range of lifelong physical, learning and behavioural problems.

In Fitzroy Valley, more than 50 percent of women used to drink during pregnancy; most of them, heavily.

Determined to break free from the catastrophic effects of excessive alcohol consumption, the women of Fitzroy Valley began lobbying for restrictions on the sale and availability of alcohol.

Their success in convincing the WA Liquor Licensing Board to restrict the sale of 'take-away' alcohol – which is now limited to low-strength beer only – was documented in the film *Yajilarra* (2008). Co-produced by Professor Jane Latimer from the University of Sydney's George Institute, the film also relates how the community lost 13 of its own to suicide in as many months.

In 2009, the women of Fitzroy Valley invited University of Sydney researchers to visit the community and help them to progress a strategy on FASD. The team that went included Jane Latimer, along with Elizabeth Elliott, Professor of Paediatrics and Child Health, and Dr James Fitzpatrick, PhD student from Sydney Medical School's Discipline of Paediatrics and Child Health and the George Institute for Global Health.

"Fetal Alcohol Spectrum Disorders have only recently been readily discussed in Australia, and this is particularly the case in Aboriginal communities because of the potential for stigmatisation, 'blaming and shaming' of women who might have exposed their children to alcohol in pregnancy," says Elizabeth. "Therefore we consulted widely with Fitzroy Valley community members before starting our project – teachers, health professionals, and community leaders – to make sure that they wanted us to address FASD."

Consent was gained for what has become known as the Liliwan (All the Little Ones) Project, which has been running for the past five years. It has taken on the extensive task of diagnosis and developing

management plans for children with FASD, supporting parents and families, and working to prevent it.

The project, funded by the NHMRC and the Australian Government, is also supported by the University's Poche Centre for Indigenous Health, which was established in 2008 following a generous donation from philanthropist and Aboriginal health advocate Greg Poche.

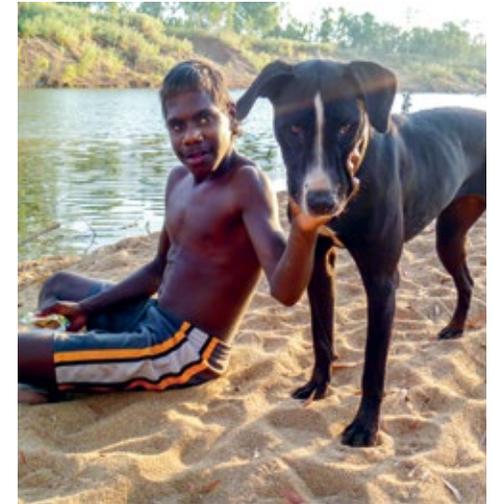
In line with its collaborative philosophy and the University's Wingara Mura – Bunga Barrabugu strategy, the Poche Centre works closely with Aboriginal Medical Services (AMS), peak bodies and other Aboriginal health organisations to improve Aboriginal health.

Greg's wife, Kay is delighted with the centre's progress so far.

"It is fantastic that it has already supported more than 60 clinicians and over 400 student volunteers to work across remote Australia. It is great that the centre is also raising much-needed awareness about the importance of improved health and promoting change in Aboriginal and Torres Strait Islander communities."

Community collaboration: Elizabeth Elliott, Professor of Paediatrics and Child Health at the University of Sydney, is pictured left.

Photography: Louise Cooper



Scoping the problem

Centre Director Kylie Gwynne adds that “we are proud to support the Lillivan Project, which is making such a tremendous difference to the health and wellbeing of children and families in the Fitzroy Valley”.

The project’s chief investigators include two Aboriginal leaders from Fitzroy Crossing, June Oscar from the Marninwarntikura Women’s Resource Centre, and Maureen Carter from the Nindilingarri Cultural Health Centre.

The team includes University of Sydney postgraduate students Barbara Lucas and Philippa Dossetor (both supported by the Poche Centre), Dr Emily Fitzpatrick, Marningee Hand and staff, Associate Professor Alex Martiniuk and Dr Tracy Tsang.

Researchers spent 2010 reviewing medical records and speaking with the parents of all 127 children born in the community in 2002 and 2003. In 2011 they returned with a multidisciplinary team, and spent an intensive four days assessing the children.

“They had their ears and eyes tested and met with paediatricians, physiotherapists, occupational therapists, psychologists and speech therapists,” says Elizabeth. “We treated acute medical problems on the spot and made more than 400 referrals for these kids to existing health services. We also interviewed their teachers about behaviour and academic progress.”

The team found that more than half of the children had been exposed to alcohol during pregnancy, at very high levels, leaving them with multiple health problems.

In addition to some with FASDs, many had dental carries, chronic skin infections

and growth failure. These conditions can be antecedents of major illnesses in adulthood. Tooth decay and skin disease is associated with rheumatic heart disease and glomerulonephritis, which can lead to heart and kidney failure and poor life expectancy. Many children also had developmental, learning and behavioural problems.

The research team soon became aware of the enormous health and educational needs of this community, and the inadequate services available to deal with the problems identified.

“We are looking at a population in which many children face serious health and development problems,” says Elizabeth. “Most Australians don’t realise just how great the burden of disease is in some Aboriginal communities. It’s compounded by the fact these kids live up to 800 kilometres from the coast and have

poor access to health services. Many live in overcrowded housing, often with a single parent, and many suffer significant early life trauma. These chronic stresses contribute to the gap in health outcomes and life expectancy between Indigenous and non-Indigenous children.”

Throughout the project, efforts have been made to teach and train local health professionals, and educate teachers, police, disability services and justice services.

As part of the educational imperative, Melanie Hogan, co-producer of *Yajilarra*, made the documentary *Tristan* which looks at the challenges faced by a boy living with FASD. In 2012, the team was invited to show the film at the United Nations in New York, at the 11th Permanent Forum for Indigenous Issues.

“It’s been a true collaboration and an example of self-determination by the community.”

Sharing the story

Elizabeth praises the Lililwan Project as an innovative way to tackle the sensitive issue of FASD. She believes the results are likely to be applicable to other Aboriginal communities and, indeed, other indigenous groups around the world who are struggling with similar issues.

“This is a good news story,” she says. “Here is a community which has seen a problem and made every effort to remedy it. Brave Aboriginal women invited us in to help with this sensitive work. It’s been a true collaboration and an example of self-determination by the community.”

Aboriginal and Torres Strait Islander Social Justice Commissioner Mick Gooda pointed to the Fitzroy Crossing example as a demonstration that an Aboriginal-led approach to alcohol abuse brings better results than one enforced by government.

“When Aboriginal people take control, appropriately supported by government, we have more sustainable and more effective results,” he said. “And the lesson is for government to actually support communities, not come in and impose their will. It is quite simple. Governments will be more effective if they develop service delivery models in collaboration with local communities.”



Above: Professor Elizabeth Elliott examines a child in Fitzroy Crossing.

Left to right on the page opposite: a blunt warning sign outside the Crossing Inn, Fitzroy Crossing; the team conducted intensive health assessments of the children; a young boy from Fitzroy Crossing on the Fitzroy River bank.

Photos supplied by Elizabeth Elliott



Mastering the arts

In recognition of the world-expanding delight he experienced studying English and English literature as a young student at the University of Sydney, Kenneth Reed has donated \$500,000 to fund scholarships for PhD students in English literature. He has also bequeathed \$4 million for postdoctoral fellowships in English studies, and a significant collection of paintings to the University Art Gallery, along with a \$1 million conservation fund.

By Heather Jacobs

Kenneth Reed is one of Australia's best-known philanthropists in the realm of arts and culture. Part of his motivation is to give students the freedom to resist the pressure, often from family members, to forgo a creative career because of financial concerns.

Like many young people with a passion for the creative arts, Kenneth experienced this pressure to study a more 'professional' career – in his case, law. He acquiesced and went on to have a very successful career as a lawyer.

But he never forgot the joy of devoting himself wholeheartedly to words.

The \$500,000 gift will endow the Kenneth Reed Postgraduate Research Scholarship in English. He has also bequeathed \$4 million to fund postdoctoral fellowships in English, a gift-in-kind of 14 'Old Master' Dutch paintings from the 17th century, and \$1 million for the care and conservation of these paintings and other works in the University's art collection.

"There's no secret formula for what I'm doing," says Kenneth. "It's just I decided to, among other things, benefit the University – and English is the field of endeavour I wanted to benefit."

Now retired from the law profession, Kenneth was made a Member of the Order of Australia (AM) in 2013 for his significant service to the performing and visual arts, as a supporter and philanthropist. In 2007 he announced a bequest of \$7 million to the Art Gallery of NSW. Previously, his \$1 million donation to the Australian Ballet in 2005 was the biggest one-off contribution in the ballet's history.

Kenneth is the son of the late Sir Reginald Reed CBE, who was chairman and managing director of Patrick Stevedoring Co., at one time the largest shipping and stevedoring company in Australia.

Kenneth had no interest in following his father into the shipping business. He studied English and economics at the University with the intention of becoming a teacher. Crunch time arrived when he was awarded a scholarship from the Teachers' College as well as a Commonwealth scholarship to study arts and law.

"I was encouraged by my father to do law and I ended up doing arts law," says Kenneth. "In my old age, I am trying to assist people who want to go their own way."

Supporting English scholarships: Kenneth Reed is pictured left.
Photography: John Feder

Formative years

The gift also shows the depth of his appreciation for the education he received at the University of Sydney, graduating with a Bachelor of Arts in 1957 and a Bachelor of Laws in 1960.

Kenneth recalls his student days as among the happiest of his life.

“My memories of my time in the Faculty of English and in the Faculty of Law are very, very dear to me and so I would like to give something to the University in appreciation for the wonderful things it has given me,” he says. “My fondest memories were when I was doing English. I had a wonderful time because I was studying something I was interested in and we had wonderful teachers and lecturers in the department.”

Kenneth owns several thousand books, including complete collections of the literary canon of 19th century English authors. Among his favourite authors are Jane Austen, Charles Dickens, William Thackeray, Joseph Conrad and Henry James.

He retains a firm belief in the value of studying the English language.

In Kenneth’s view, “a degree in English or the arts equips you for any other field. People need a good basis and understanding of their own language and the history and literature of it.

“Unless we can speak our own language properly, write it properly, and be understood by others, a lot of time is wasted in research in other fields.”

Supporting English studies

Kenneth hopes his bequest encourages others to give generously to the arts and humanities, to set up scholarship funds and support research.

Dean of the Faculty of Arts and Social Sciences, Professor Duncan Ivison, is delighted with this very generous gift and bequest. “When someone as successful and shrewd a supporter of the arts in Australia as Kenneth has been makes such a significant gift, it’s an enormous vote of confidence in our work and the reputation of the faculty and the University,” says Duncan. “It is a huge boost, both practically and morally, for the importance of the humanities, and, in this case, for the study of English literature.”

Duncan adds that the gift will enable outstanding PhD students to do the best work they can without the burden of financial pressures.

“It means they won’t have to take on additional work, or be so short of time they can’t get to the archive regularly, or be able to meet the people they need to talk to,” he says.

The faculty will advertise the first PhD scholarship in late 2014 for the recipient to enrol in 2015. It will be open to any PhD student working in English literature.

“I would like to give something to the University in appreciation for the wonderful things it has given me.”





Supporting the arts

Similarly, Kenneth, who has collected European art for the past 25 years, hopes that his art bequest will enhance the University's art collection and assist in the conservation of its existing collection. He believes the gallery will eventually become a major attraction, similar to the Nicholson Museum.

"I am very interested in art and I have a very good selection of Old Masters paintings, some of which I have bequeathed to the Art Gallery of NSW. Others, such as my collection of Dutch paintings from the 17th century, I have bequeathed to the University Art Gallery," says Kenneth.

Conservation of art is another of Kenneth's great interests. He has been a member of the Friends of Conservation committee at the Art Gallery of NSW for the past 15 years.

David Ellis, Director, Museums and Cultural Engagement at the University of Sydney, says that the collection Kenneth has bequeathed represents a high quality and beautiful collection of works.

"It is a very well chosen collection; he's got a good eye," says David. "These works will

greatly strengthen the University's ability to offer courses in fine arts, visual arts and museum studies. The collection can be used by students and the wider community for generations to come. The bequest also comes with a generous endowment that will ensure the works are conserved and studied. These works will take pride of place when they come to the University."

David adds that while Kenneth is a very private man, he understands that making these sorts of gifts and bequests public encourages others to give.

"Kenneth has been a wonderful supporter over the years," says David. "He's given some individual works to the museum and provided support for conservation of significant paintings in the University's collections in the past. When he asked if I was interested in this particular collection of Dutch paintings, my response was that we would absolutely love to have them. He then told me he'd provide some funds to take care of them. He is one of those rare benefactors who really understands what it means to take care of collections in perpetuity."

Kenneth and artwork from his collection.

Horse breeder helps students find their rhythm

The late John Cassim had two great passions in life: music and thoroughbreds, and found a unique way of connecting them.

By Nigel Bowen



“By funding these awards, John Cassim didn’t just support us – he publicly recognised the value of music in education, and showed that it’s something worth investing in.”

The late John Cassim, a University of Sydney graduate, was destined for a lifelong career in music pedagogy. He was one of the first music lecturers at Bathurst Teachers College, following its founding in 1951. After that, he served as head of the Music Department at Sydney Teachers College.

Music was always more than a nine-to-five job to John. In his spare time, he put on annual music productions at Sydney Teachers College and conducted operas and musicals for the Sydney Opera Company, the precursor to Opera Australia.

While his passion for music never dimmed, he eventually switched his career from teaching to equine breeding, establishing a thoroughbred stud in Mittagong.

He found a number of ingenious ways to combine his two great enthusiasms, such as playing opera to his equine charges. But his most enduring contribution was using some of the money he made as a breeder of champion racehorses to fund awards to promote music education.

The John Cassim Creative Arts Award: Music, which commenced in 2006, is awarded annually to two outstanding University of Sydney students who show promise in music pedagogy. Meanwhile, the John Cassim Award for Music Education, which commenced in 2011, is awarded to an exceptional Sydney Conservatorium of Music student, at the discretion of the dean and principal.

Best friends Emma Graham and Michelle Loui were surprised and delighted when they received the 2013 John Cassim Creative Arts Award: Music.

“You’re nominated by the academics who run the course rather than applying, so we didn’t know about it until we got an email with the good news,” says Emma. “We were the nerds in the class who put a lot of effort into all the assignments.”

“I was even more surprised than Emma to win a music award because, unlike her, I’m not even a musician,” laughs Michelle. “But I am passionate about incorporating all the creative arts into my teaching.”

Win for teaching

After she got over the surprise, Michelle was “quite chuffed” to have been recognised for her achievements while Emma also sees it as a victory for music teaching.

Emma wrote her honours thesis on what’s called the ‘music crisis’, the poor implementation of music teaching at primary schools.

“This is despite undeniable evidence showing how academically beneficial music is to young children,” she says. “So, just when I was thinking no-one really cared about exposing children to the creative arts, it was great to discover someone did, and was even prepared to donate money to encourage it.”

Though both Emma and Michelle were free to spend the award money in any way they wished, both chose to invest it in classroom resources.

“My friends think I’m weird because I spend most of my pay on teacher resources,” says Michelle. “When the award money arrived, I used it to buy musical instruments, puppets, drama props and books for my students. I’ve got everything I need, so I spend any spare money on stuff for school.”

Emma also invested the award money in classroom equipment.

“I thought it should be spent on something musical and worthwhile so I bought percussion instruments and CDs. There aren’t many music resources available in schools, so it’s good to have some more, which will hopefully get a lot of use in the years to come.”

Emma is currently working at Gynea Bay Primary School.

“It’s my old school,” she explains. “That’s where I first got into music and where I’m now trying to inspire others about it. Part of the reason I was interested in primary school teaching is that I figure it’s too late by the time kids are in high school, you’ve got to get them while they’re young!”

Michelle, who grew up and still lives in Western Sydney, teaches at Shelley Public School in Blacktown.

“I was offered a position at a school in North Sydney but I wanted to stay loyal to Shelley, which is where I did my internship. I work at a great school that has lovely kids and a supportive community around it. I was brought up in the public school system and am strongly committed to it.”

When it comes to future plans, Emma is thinking about following in John Cassim’s (initial) footsteps and undertaking a PhD, with the intention of securing an academic position and training future generations of music teachers. Michelle is interested in spending some time as a teacher in Asia.

Wherever their respective career paths take them, both will have a profound sense of gratitude towards John Cassim, who sadly passed away shortly after the 2013 award winners were announced.

“Unfortunately we never got to meet him,” says Michelle. “After he died, Emma and I wrote letters, which were passed on to his family, expressing our gratitude and explaining what the money was used for.”

“I’ll always remember the presentation ceremony,” says Emma. “Our families came along to the Great Hall to watch us receive our award. By funding these awards, John Cassim didn’t just support us – he publicly recognised the value of music in education, and showed that it’s something worth investing in.”

Improving the classroom: Emma Graham is pictured left with students.
Photography: Louise Cooper



Maurice Renshaw's gift provides hope for an asthma cure and ensures that the University continues to "educate the bright minds and train future research leaders who will provide solutions to future healthcare challenges".

Supporting asthma research: Maurice Renshaw is pictured left.
Photography: Louise Cooper

Helping us breathe easier

Asthma affects two million people in Australia and causes more than 400 deaths each year. Maurice Renshaw is determined to stem the tide.

By Heather Jacobs

Maurice's sister passed away from asthma complications when she was quite young, so there is a personal connection to his donation of \$315,000 towards asthma research at the University's Faculty of Pharmacy.

The research team, led by Professor Alaina Ammit, is looking at the possibility of harnessing proteins in the body to act as anti-inflammatories and eradicate the symptoms of asthma. If successful, this treatment could improve corticosteroids, which can cause harmful side-effects, especially in children. Furthermore, 10 percent of asthmatics are corticosteroid-resistant.

"The work being done by Alaina and her team can make a very meaningful impact on the health and lives of asthmatics," says Maurice, whose gift funds a postgraduate scholarship in respiratory disease.

Alaina, who is internationally renowned for her work on the mechanistic basis of inflammation in asthma and airway remodelling, says Maurice's generosity will have far-reaching benefits. "It allows a talented team of academics, researchers and students to investigate asthma in great depth and potentially find a way to alleviate the chronic and inflammatory symptoms of this disease," she says. "Our research will help to save lives, ease breathing and allow those affected to return to normal everyday activities."

Professor Iqbal Ramzan, Dean of the Faculty of Pharmacy, concurs that the faculty is very grateful for Maurice's support of pharmaceutical research.

"Not only will it provide hope for a cure for individuals with chronic respiratory conditions and asthma, through his gift of a PhD scholarship, Maurice is ensuring that we continue to educate the bright minds and train future research leaders who will provide solutions to future healthcare challenges."

The current scholarship holder is Pavan Prabhala, a medical science graduate of the University, who is working with Alaina's team.

Since starting his research in March 2013, Pavan has been investigating the role that mitogen-activated protein kinase phosphatase 1 (MKP-1) plays in repressing inflammation.

"Developing a more specific means to halt MKP-1 offers promise of a novel anti-inflammatory strategy," says Alaina.

Additionally, the team is investigating the role of the protein tristetraprolin (TTP). Past research on TTP has focused on its role in rheumatoid arthritis, while its anti-inflammatory function in airway disease has been relatively unexplored. Importantly, TTP has the ability to destabilise a number of critical cytokines that drive inflammation in asthma.

Partnerships in research

Maurice is a former vice president of Pfizer Inc, and an alumnus of the Faculty of Pharmacy, from which he graduated in 1972. He now serves as president of the Faculty of Pharmacy Foundation, which is focused on attracting philanthropic funds to invest in projects that help to solve life-threatening health conditions and discover new medicines.

As president, Maurice wanted to lead by example and donate to a worthy medical research project while raising awareness of the foundation. When he became aware of Alaina's project, he knew he'd found the right one to support.

Because of his career in the pharmaceutical industry, Maurice is well aware of the impact of medical research on disease management. He witnessed the end of the era of high growth for major global pharmaceutical companies.

"There is a research funding shortfall in rare diseases, various cancers and other immune conditions that are difficult to find treatments for," says Maurice. "Universities have been critically important in developing fundamental science upon which new products can be eventually developed. It is vitally important that universities

are adequately supported to continue fundamental research."

Alaina is in discussions with the technology transfer and commercialisation arm of the University to secure a unique intellectual property position for her team's discoveries.

"Historically, universities have done great baseline fundamental research," Maurice says. "While large pharmaceutical companies do a fair bit as well, their take-off point is often based on preliminary research conducted by universities or government-sponsored organisations. There is really fundamental research conducted at universities, which often doesn't lead to commercial success but does add to an underlying body of information which can be built upon."

The University of Sydney is tapping into the knowledge and acumen held by people like Maurice, who believe that universities are entitled to a fair share of the profits arising from any new product created on the foundation of their research.

A cross-country career

Maurice's expertise in the commercial side of drug development comes from a career spent in the consumer marketing and management teams of some of the world's biggest pharmaceutical companies. After graduation, he worked as a clinical research associate before joining Parke-Davis. In 1977, he was sent to Thailand, kicking off an illustrious international career. Together with his wife Heilan and children, he lived overseas for the next 27 years.

His first job was trying to build a new pharmaceutical plant on "basically swamp land" in Bangkok just after the Vietnam War. He went on to regional and then global roles in marketing, living in the Philippines, the United States and Japan. He was the president of Parke-Davis America from 1996-2000 and corporate vice president from 1998, and later the executive vice president of the Pfizer Consumer Group and vice president of Pfizer Inc.

He took early retirement in 2003, returning to Australia. Since then, he's been on the board of CSL, a global researcher and manufacturer of vaccines and protein biotherapies. He is chairman of the board's Innovation and Development Committee.

Maurice and Heilan have set up a number of philanthropic foundations supporting medical research, Indigenous education, and education of children, particularly those with disabilities in developing countries.

His generosity towards the Faculty of Pharmacy serves as a bookend to a worthy and successful career that began during his own days as a pharmacy student at the University of Sydney.



Quest for respect

While thriving Sydney and declining Detroit may seem like chalk and cheese, Professor George Galster believes these vast metropolises share similar social issues.

By Heather Jacobs

George Galster, Hilberry Professor of Urban Affairs at Wayne State University in Detroit, warns of the need for rigour in urban development to avoid perpetuating social, economic and psychological disadvantage.

The fifth-generation Detroiter and internationally known urbanist visited the University of Sydney late last year to deliver the inaugural Henry Halloran lecture. The Henry Halloran Trust is working to advance town planning through initiatives such as this annual lecture, which invites distinguished academics from around the world to undertake research and discussions on issues pertaining to urban development.

George gave a provocative analysis of the structural differences and similarities between the metropolitan housing markets of Detroit and Sydney, offering insights into the impact of particular places on people's chances in life – what he calls the 'quest for respect'.

He elaborated on these issues in his book, *Driving Detroit: the quest for respect in the motor city*, in which he shows how geography, local government, and social forces created a housing development system that produced suburban sprawl at the fringe and abandonment at the core.

While Detroit's pockets of disadvantage are primarily in the central business district, in Sydney there is a very distinctive belt, west of the city, along with some peripheral communities that are more disadvantaged, limiting the opportunity for gaining respect among the people who live there.

"Both of our metropolitan areas have housing costs and rates of housing appreciation and depreciation that are very highly spatially differentiated," George says. "What that does in a market system is cause different ethnic and income groups to end up being spatially differentiated or living in different places, segregated from one another."

He proposes the Henry Halloran Trust undertake research to answer a key question: 'How and to what degree does Sydney's housing market produce inequalities in dwelling livability, financial and locational characteristics, thereby yielding inequalities and opportunities to gain respect?'

The idea is welcomed by Professor Peter Phibbs, head of Urban and Regional Planning and Policy at the University of Sydney's Faculty of Architecture, Design and Planning, and director of the Henry Halloran Trust.

He says George's visit is part of the agenda to bring together scholars from other universities to help push the boundaries of research and teaching.

"We want to be able to use this gift to genuinely undertake blue-sky research and innovative teaching with the community of scholars in Australia and globally," he says.

George's interest in this area can be traced back to his research into the impact of the United States housing crash of 2008. The crash hit the now bankrupt city of Detroit particularly hard, resulting in a glut of cheap houses – with some punters picking up houses for as little as \$US500. However, high crime rates meant few wanted to venture into the neighbourhoods where these houses were located, leaving the empty dwellings vulnerable to looters who stripped them of anything valuable, from the copper wiring to the kitchen sink.

Facing repair bills and property taxes greater than their properties' value, many owners abandoned their homes, creating no-go zones in the city centre.

“We want to be able to use this gift to genuinely undertake blue-sky research and innovative teaching with the community of scholars in Australia and globally.”

Housing crisis warning

In contrast, the Sydney housing market has experienced record prices and low interest rates, which has experts warning of a housing crisis as high demand forces up prices, putting home ownership out of reach for many first-time buyers.

“Housing price dynamics differ so dramatically between Sydney and Detroit because of vast differences on both demand and supply sides of the housing market,” says George. “Sydney has had a steady growth of population, employment and real incomes, plus strong demand from real estate investors and speculators from abroad, while Detroit has all the opposite features.”

There are three key dimensions of housing that connect to the right for respect: livability, financial issues and location. These affect health, skills development, employment prospects and income levels.

“Neighbourhoods can be stigmatised, so where you live can affect your economic opportunities by labelling you as one of those undesirable people coming from the undesirable places,” says George. “Another crucial locational aspect of housing is that it comes with a bundle of public services including schools, police, fire protection and public parks. Environmental and safety

conditions are also part of this locational dimension of housing. What is the natural environment like? Do we have violence on the streets?”

George warns that unless planning is regulated, there’s a danger of certain neighbourhoods becoming labelled as ‘clusters of disadvantage’.

“We can get concentrations of low-income folks, who feel they don’t have much chance or stake in society, creating a disadvantaged neighbourhood, circumstances that spill over to all the residents living in that place,” he says.

As the location’s reputation declines, this is reflected in lower property values and reduced rents, which in turn affects who moves into the area and the quality of housing over time.

“All of this can lead to a downward spiral, where neighbourhoods feed on their own seeds of destruction,” George says.

The Henry Halloran Trust was made possible by a generous donation from Mr Warren Halloran in memory of his father, Henry Halloran, an innovator of urban planning and residential design in NSW in the first half of the 20th century. The town planner and developer was responsible for

opening up major subdivisions in places such as Seaforth, Cronulla, Warriewood, Stanwell Park and Avoca, and for innovative proposals for areas such as Jervis Bay and Port Stephens.

George Galster, Hilberry Professor of Urban Affairs at Wayne State University in Detroit.





Stemming a skills shortage

An anonymous donor has provided a generous gift of \$5 million to fund a Teacher Enrichment Academy for science, technology, engineering and mathematics (STEM) teachers at the University of Sydney.

By Heather Jacobs

Bright future: Student Yannick de Silva and Professor Archie Johnston, Dean, Faculty of Engineering and Information Technologies are pictured left.

The academy's mission is to build confidence and inspire teachers across Australia in the delivery of education in mathematics, engineering, science and technology. It will achieve this through a multidisciplinary approach drawing on expertise from three faculties: Education and Social Work; Science; and Engineering and Information Technologies.

Teacher participants will also explore cutting-edge discoveries and emerging technologies, and engage with STEM innovations pioneered at the University.

STEM is a concept of increasing prominence in the sphere of education and industry. The acronym has become shorthand for widely held concerns that these subjects are in decline in schools and in the workforce. Fewer students are graduating with qualifications in the STEM fields; and fewer children are choosing to participate in these subjects at school.

Focusing on Years 7 to 10, the academy will offer a multi-day residential program for up

to 50 teachers at a time, with the first group set to start in November 2014. Considering that the average high school teacher looks after approximately five classes, the program has the potential to impact more than 80,000 students in its first five years.

In developing the program, the academy will draw on the expertise and experience of academic leaders in STEM education and research, and prominent high school teachers. As demonstrated by successful international programs, instilling teachers with confidence and providing innovative resources is an effective way to encourage higher participation among students.

The University of Sydney's Vice-Chancellor, Dr Michael Spence, says the gift comes from the shared passion of a husband and wife determined to help young people consider advanced skills in mathematics, science, engineering and technology as vital to their future prospects.

"Some years ago, the donors were involved in a program overseas that had a multiplier

effect: the program's in-service training of teachers lifted the standard of engagement in the classroom and led to a remarkable and measurable uplift in student engagement in those subjects," says Dr Spence.

"They now want to create a similar program at home and decided that the University of Sydney – with our tradition of excellence in training teachers – is just the place to do it. They have seen such a program work; they recognised a need in Australia, and knew we could make it work here too."

Yannick de Silva from Normanhurst Boys High School is a fervent advocate of the University's STEM program. He was a Distinguished Achiever in the NSW 2013 Higher School Certificate, and has enrolled at the University of Sydney in a combined degree studying aeronautical engineering and commerce.

Recognising that his generation are the future leaders of industry, Yannick shares the broader concern of high school students' reluctance to study core STEM subjects.

“If education reform is delivered now, we can expect to see acceleration in the success of Australia’s STEM industries. After all, we are our own future.”

“I know that in the past decade, Australian high schools have seen a gradual decline in the number of students who study science, technology, engineering or maths in their senior years. But I believe these are core subjects that form the necessary foundation to support Australia’s growing technology and engineering industries,” he says.

“The Teacher Enrichment Academy will benefit teachers by encouraging them to engage, fully and confidently, with the STEM subjects. It will help them keep pace with the rapidly changing needs in these fields and be able to guide their students to the fantastic possibilities offered by these subjects,” he says.

Yannick believes the University’s STEM program is a great investment in the future, as it will help to inspire potential pioneers in the science, mathematics, engineering and technology industries.

“If education reform is delivered now, we can expect to see acceleration in the success of Australia’s STEM industries. After all, we are our own future.”

Back in the present, the Organisation for Economic Cooperation and Development (OECD) keeps tabs on worldwide scholastic performance through its Program for International Student Assessment (PISA). Every three years it assesses comparative levels of literacy, mathematics and science among 15-year-old students around the world.

The latest results showed that Australia achieved an average score of 504 points in the PISA 2012 mathematical literacy assessment. This is higher than the OECD average of 494 points.

However, 16 countries scored significantly higher in mathematical literacy than Australia, including

Shanghai-China (613 points), Singapore (573), Hong Kong-China (561), Chinese Taipei (560) and Korea (554).

More worrying is the fact that in Australia there is a wider gap between the highest and lowest scoring students – a difference of 315 points between the fifth and 95th percentiles, compared to the OECD average of 301 points.

In other words, Australia’s lowest performing students are seriously falling behind.

Education priority

As a key stakeholder in STEM education, the University is already addressing this issue. With the launch of the new academy, even more progress can be made as the University builds on its strong track record of delivering education programs to teachers across NSW.

“The Faculty of Engineering and Information Technologies has been contributing to high school curriculum development and teacher training initiatives across engineering, IT and computer science for a number of years,” says Dean, Professor Archie Johnston.

“It is particularly exciting that we can now build on this experience and inspire a team of cross-faculty academic experts that will deliver a world-class STEM teacher enrichment program. Given that 75 percent of the fastest-growing occupations require significant STEM skills, it is vital for Australia to improve our participation in and uptake of STEM subjects at school.”

For the past 10 years, mathematics and science academics from the Faculty of Education and Social Work have provided a range of programs for high school teachers. More than 300 have taken part in accredited certificate

courses in primary, middle years and secondary mathematics education, looking at new teaching approaches and strategies to enhance motivation and engagement by students.

The new academy is particularly timely, given the introduction of the Australian Curriculum: Science from the Australian Curriculum, Assessment and Reporting Authority (ACARA). The new curriculum promotes an enquiry-based approach to teaching science, a greater emphasis on teacher accountability, and a reduction in funding for teacher professional development.

Dr Louise Sutherland, Coordinator Science K-12, is one of the representatives from the Faculty of Education and Social Work who is advising on the academy. Louise taught high school science for 13 years and has been working in teacher education for the past 13 years.

She says the contribution from three different faculties is really exciting.

“The Faculty of Education and Social Work can bring its expertise about students’ learning behaviours, and advise on the use of technology to maximise engagement and learning in the classroom. The Faculty of Science can offer a detailed understanding of recent developments in science. The Faculty of Engineering and Information Technologies can help teachers provide a context for learning by helping them incorporate real-world problem solving examples into their teaching.

“It’s a wonderful opportunity to provide high school teachers with the time and support to engage their students.”

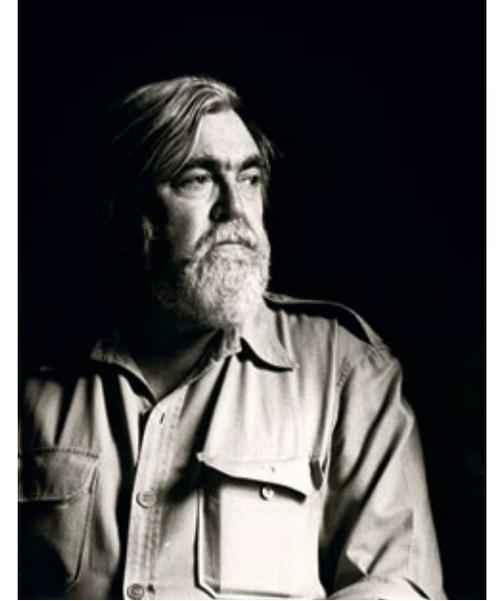
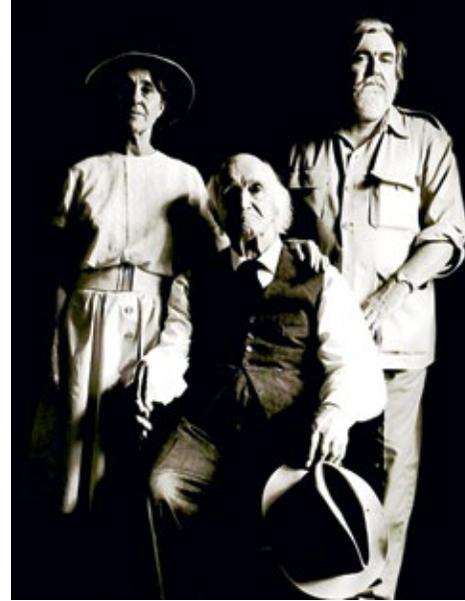


United in hope for a healthier future

Bowel cancer is the second most common cancer in NSW, but receives a smaller share of research funding than many other cancers. That is set to change, thanks to an extraordinary gift from a modest woman.

By Heather Jacobs





When she passed away in May 2013, Elwin à Beckett left the bulk of her estate to the University to advance research into bowel cancer. The gift, valued at more than \$15 million, was made in honour of her much-loved brother Martin, who died from the disease in 1986.

Those who knew the siblings talk of an unbreakable bond between the pair. When Martin died, Elwin was paralysed with grief. From the depths of her despair came one of the Central West region's most significant philanthropic acts.

The William Arthur Martin à Beckett Cancer Research Trust will be based at the University's Charles Perkins Centre (CPC). It will occupy an 80-person facility, the Elwin à Beckett Laboratory, located in the heart of the centre.

Elwin's gift takes the total philanthropic support for the centre to \$50 million raised over the past four years.

The trust will allow researchers to gain a better understanding, not just of bowel cancer, but also its interrelated diseases, according to the centre's academic director, Professor Stephen Simpson.

"Much more needs to be done to understand the links between colon and bowel cancer, diet, and the complex community of bacteria living within the gut," he says. "These interactions are mediated by the immune system and inflammatory responses triggered in the gut, and are further linked to obesity, diabetes, rheumatoid arthritis and cardiovascular disease."

The bequest will also be used to purchase essential equipment, fund postgraduate

scholarships, and recruit a world-leading researcher to a newly created position: the Elwin à Beckett Chair for the Prevention, Detection and Treatment of Bowel Cancer.

The Charles Perkins Centre is an outstanding example of the University of Sydney's multidisciplinary approach to research and education. Its mission is to ease the burden of obesity, diabetes and cardiovascular disease, by bringing together the best minds from a wide range of disciplines.

Experts in areas as diverse as biomedical science, health policy, agriculture, food production, sociology, architecture and economics will join forces at the centre to engage with the next generation of researchers and students.

Above, left to right: Professor Stephen Simpson, Academic Director of the Charles Perkins Centre, is uniting bright minds (photography: Louise Cooper); Elwin à Beckett with her father and beloved brother Martin (photography: Derry Moore); Martin à Beckett.

Far left: Elwin à Beckett is pictured in front of Wilton House, Salisbury UK in 1956.

“We’re at the beginning of something that is as exciting to me as the discovery of electricity.”

Construction is now complete on the centre’s state-of-the-art building; the largest research building in NSW and one of the largest in Australia. It will integrate researchers across the University, along with staff from Royal Prince Alfred Hospital.

The centre is named after a visionary Australian, pre-eminent Aboriginal activist and University of Sydney alumni Dr Charles Perkins. He was the first Aboriginal man to graduate from an Australian university, and led the 1965 Freedom Ride through rural NSW to protest against racial discrimination.

Obesity, diabetes and cardiovascular disease are epidemics of global proportions. These diseases are the leading causes of death, disability and reduced quality of life in Australia. Some 60 percent of Australian adults were classified as overweight or obese in 2011-12 (more than 25 percent in the obese category).

The cornerstone of the centre’s research is gaining an understanding of how human biology interacts with the environment. This encompasses multiple factors: how risks of disease are affected by psychological makeup, social factors, education, cultural norms, economic pressures, the built environment, agricultural practices, the food industry, information technology, the media, history, and the prevailing political climate.

“We bring together the best minds to work across disciplines – not just from the medical sciences, but also from the arts and social sciences, architecture, business studies, education and social work, engineering and information technology, the health professions, and the physical, life and environmental sciences,” says Professor Stephen Simpson.

Philanthropy in action

A record number of chairs at the Charles Perkins Centre would not exist without philanthropic support. This includes four chairs funded by the anonymous donation of a Picasso painting.

Professor David Raubenheimer holds the Leonard P Ullmann Chair in Nutritional Ecology, Professor David James holds the Leonard P Ullmann Chair in Systems Metabolism and there will be chairs appointed in obesity science and psychology. They are named in honor of the late Leonard Paul Ullmann, an award-winning teacher, master clinician, advocate for evidence-based practices in social and behavioural sciences and lover of art.

The Australian Diabetes Council also donated \$5 million to establish the Australian Diabetes Council Chair of Diabetes at the Charles Perkins Centre.

Professor Charles Mackay, who was appointed to the chair in November 2013,

believes we are at the start of a process of discovery that could see the prevention of a majority of all forms of diabetes in future generations.

“We’re at the beginning of something that is as exciting to me as the discovery of electricity,” Professor Mackay says. “I’m confident we will be able to reduce the incidence of diabetes dramatically in the not too distant future. I want to start a little revolution. I’m looking to change perceptions about diabetes and add years to people’s lives.”

Other million-plus donations include a \$4 million bequest from alumna Janet Dora Hine to fund a chair to examine the impact of politics, governance and ethics in the management of diabetes, obesity and cardiovascular disease. The Janet Dora Hine Chair in Politics, Governance and Ethics is held by Professor David Castle.



Supporting discoveries

A \$1 million gift from INSPIRED Campaign board member Sir Michael Hintze is supporting a flagship research and development incubator fund to explore commercially viable applications for improving individual and population health.

Also, Judith and David Coffey donated \$2 million to establish the Judith and David Coffey Life Lab and the Integrated Systems Laboratory at the centre.

“We chose the University of Sydney because it is a community of unorthodox thinkers and brilliant analytical minds,” says David. “As an alumnus of the University, I have seen first-hand what pioneering graduates are capable of, given the chance.”

The research funded by Elwin’s bequest will provide a critical bridge from the study of

obesity and related co-morbidities at the Charles Perkins Centre to the University of Sydney’s broader cancer research strategy.

Cancer was named one of the University’s four strategic priority areas in the recent Health and Medical Research Strategic Review. The University is associated with around 12 percent of all the bowel cancer related documents with affiliations to Australia that have been published since the year 2000.

While Elwin would have been aware of the University of Sydney’s credentials in cancer research in making her bequest, her closest link with the University appears to be her great grandfather, Dr Arthur Martin à Beckett (1812–71), who was a member of the Board of Examiners of the Faculty of

Medicine. His wife was Elwin’s namesake – Emma Louise Elwin.

Belinda Hutchinson, Chancellor of the University of Sydney, points out that Elwin’s bequest is extraordinary, not just because of the amount – large as it is – but because of where the money will be invested, and what it will help to achieve.

“Elwin’s gift to the University demonstrates the great faith she had in our capacity to deliver better outcomes for people with cancer,” Belinda says. “The University is aware that with this faith comes great responsibility. And because of our recent success in cancer research, I can say with some pride, and much confidence, that we are well placed to accept that responsibility.”



Below, left to right: the Charles Perkins Centre’s state-of-the-art research and education hub is bringing students, staff and researchers together to find solutions to the worldwide epidemic of obesity, diabetes and cardiovascular disease. Photography: Louise Cooper



“The gift is a way of affirming the ongoing relevance of Marie’s life and work.”

In memory of Marie

The Marie Wilkinson Prize both celebrates and furthers the work of an admired and respected teacher, public service adviser, policy advocate, and social worker.

By Nigel Bowen

The late Marie Wilkinson and her partner Tom Kelly are pictured above.

Page opposite: 2011 prize winner Kayleigh Ellis.
Photography: John Feder

Dr Marie Wilkinson worked at the University of Sydney for a little over a decade as a senior lecturer in Social Work (now the Faculty of Education and Social Work). One of the University’s most energetic staff members, she would have enjoyed a significantly longer tenure had she not died at the tragically young age of 51.

After Marie’s passing in 2003, her partner Tom Kelly approached her colleagues for advice on an appropriate tribute to honour her memory. Throughout her career, Marie had been a determined advocate for children’s rights, and had conducted and published significant research in the field, such as her PhD thesis, *From Neglected to Protected: Child Welfare in NSW: 1945–1988*.

He decided to establish an annual gift awarded to a student in the final two years of the Bachelor of Social Work course who produces an insightful essay about children’s welfare and/or rights.

“It’s always gratifying to meet the winners: terrific, bright students who share the same passion as Marie,” he says. “They always ask about the background to the award and I enjoy telling them about the person it’s named for and what a great teacher she was.”

There are no conditions or expectations about what the money is spent on. “If the students want to use it to travel after finishing their course, or to pay off debts, that seems like a good idea to me,” Tom says.

Positive role models

For Kayleigh Ellis, the 2011 recipient, it was the validation that was most rewarding. Winning provided a big confidence boost.

“I’m not from Sydney originally so I’ve always had to contend with the costs of living away from home,” she says. “I’d been applying for various scholarships since I started my degree. The award, along with a NSW Rural Allied Health Scholarship I received certainly helped with the costs of moving around – to Sydney first, then to Broken Hill where I did my social work placement.”

Her research focus entry looked at how NSW child protection policies and practices do not necessarily reflect the principles of social justice or child wellbeing, and the role of social work in addressing these concerns.



There's no doubt Kayleigh is the type of high achiever Marie would have appreciated, with a promising career ahead of her.

A few years on, Kayleigh is still seeing a positive impact on her career. "I'm sure it is taken into account, along with my other qualifications and achievements. So far I've had a positive experience with securing positions."

After graduating she spent two years working with the homeless at a crisis accommodation provider in Surry Hills. The position was both challenging and affirming. It cemented her belief in the repercussions of negative childhood experiences, which can affect a person across their lifetime.

Kayleigh is currently building on her work experience in two part-time roles: as a community development worker on the University of Sydney's Glebe Community Development Project and as a support manager at The Bread and Butter Project, a social enterprise working with refugees.

Though she hasn't yet decided on an area in which to specialise, Kayleigh says she wouldn't be surprised if her career followed a similar trajectory to Marie's.

"I believe in lifelong learning too," she explains. "I'm sure I'll do further study, and may one day become a teacher. I never met Marie but I was honoured to have the opportunity to talk to her partner Tom at the presentation ceremony. He told me about her passion for child protection, the advocacy

and research she'd done and the mark she'd made. Having that kind of impact is certainly something I aspire to."

As for Tom, the gift is a way of affirming the ongoing relevance of Marie's life and work. While he finds the annual celebration of his late partner can stir up bittersweet emotions, it's something he remains committed to.

"I've made sure it is funded and set up in a way that allows it to be awarded in perpetuity," he says. "All I have left of Marie is memories, and this is a way of enshrining those memories."



A gift from the heart

Having specialised in Asian art while studying at the University of Sydney, Sabrina Snow wanted to encourage other students to do the same.

By Anna Herbert

The University of Sydney's multidisciplinary collaboration is strengthened by its partnerships with other countries. The study of Asia, and understanding the region, has become vital to Australia's future. It is a region that reflects a rich diversity and, as a country, we are tied to Asia more than ever before.

The University was the first academic institution in Australia to recognise the importance of Asia and continues to lead dialogue across a range of disciplines – art is yet another. In memory of her late father, Francis Stuart, Sabrina Snow endowed the Francis Stuart Prize in Asian Art to acknowledge outstanding work in Asian art at the University – a fitting tribute with a lasting impact.

Professor John Clark, a scholar in Asian art at the Faculty of Arts and Social Sciences, notes the impact of this tribute. "This gift recognises talent and successful research," he explains. "It significantly rewards recipients at an important turning point in their careers, and encourages them to continue on to PhD degrees."

Sabrina's generosity doesn't just expand the study of Asian art and culture at the University, it inspires positive life transformations and new educational opportunities.

"Research on modern and contemporary Asian art at the University of Sydney has produced an enormous diversity of students who, on graduating, have begun to fill art museum and academic teaching positions throughout Asia," he says.

Clare Veal's desire to explore the role of photography in Thailand led her to receive the Francis Stuart Prize in Asian Art in 2011 for her honours thesis, *Imagined possibilities: photography in Thailand*.

Clare's PhD project expands on her honours thesis and explores the relationship between photography and identity in Thailand from 1950 to 2011.

"One of the most essential aspects of conducting research for my PhD was the acquisition of Thai language skills," Clare says. "Throughout my honours year it was quite difficult to find suitable resources to develop these skills. But this financial support helped me arrange a trip to Chiang Mai, Thailand."

Clare enrolled in an intensive Thai language course covering reading, writing, private speaking and listening. This enabled her to complete preliminary fieldwork for her doctorate.

Her confidence grew, along with her ability to gain access to Thai resources and conduct research. She collected visual materials and interviewed non-English speaking photographers and artists, something that wouldn't have been possible without an understanding of the Thai language.

"I am extremely grateful for the opportunities this award has given me, and I hope future students of Asian art benefit from it as I have," she says. "It is a wonderful gift for students. With few scholarships on offer in this relatively new subject area, the Francis Stuart Prize is a very important resource."

"With endowments from people like Sabrina, there is great encouragement for the next generation of Asian art professionals."

Fresh perspectives on an ancient field

Sabrina's gift also helped Chinese-born scholar Yvett Klein, who moved to Australia to study for a Master of Museum Studies.

"My family has a background in Chinese painting, so it has always been a part of who I am," she explains.

Unlike many students, Yvett did not hold formal training in art history or essay writing. This presented her with several new challenges: the unfamiliar field of the history of art, and the highly structured nature of analytical and critical thesis-writing.

Despite these obstacles, and with support from her supervisors, she completed a first-rate thesis on Asian art. Her focus was on Tehching Hsieh, a Taiwan-born performance artist who produces unique and influential work. Her thesis earned her the Francis Stuart Prize in Asian Art in 2012.

"It was a great recognition of the quality of my research, and encouragement for me to continue contributing in the Asian art field," says Yvett.

"It is highly motivating to know the University supports fine art research in

various ways. A well-recognised academic background means strong research skills and an independent learning ability, which is what employers are searching for in this increasingly competitive business."

Yvett's hard work has paid off – she used her extensive knowledge of Asian art to secure a job working for a leading auction house where Asian art is one of its fastest growing departments.

Like Sabrina, Yvett is concerned that Australia recognises and invests in specialists in this field.

"With the number of Asian art scholars either retiring or leaving the country, there is an urgent need for fresh blood," says Yvett.

"But with endowments from people like Sabrina, there is great encouragement for the next generation of Asian art professionals."

Left: *Phusadee Anukhamontri* by SH Lim.
Far left: Clare Veal and Manit Sriwanichpoom are pictured at Kathmandu Gallery. Photography: Rong Wongsawan

2013 Campaign board

These are the people behind *INSPIRED – the Campaign to support the University of Sydney*.

In addition to being prominent community leaders and highly skilled businesspeople, our board members are committed to philanthropy at the University of Sydney.

The board provides high-level advice on the Campaign's strategy and implementation, and counsels the Vice-Chancellor and senior academic leadership on related matters.

Dr John Grill AO (BSc '66 BE '68 DEng '10)

Dr John Grill is Chairman of WorleyParsons, a global provider of professional services to the energy, resources, and complex process industries. He is Chairman of the National Precincts Board and is also on the boards of Neuroscience Research Australia and the Australian Chamber Orchestra. He holds a Bachelor of Science, a Bachelor of Engineering with first-class honours, and an honorary doctorate in engineering.

In 2012, he established the John Grill Centre for Project Leadership at the University of Sydney, a multidisciplinary centre drawing on expertise from the Faculty of Engineering and Information Technologies and the University of Sydney Business School.

Dr Grill was appointed an Officer of the Order of Australia in January 2014 for distinguished service to engineering, business, the minerals, energy and power-supply industries, and as a supporter of advanced education and training.

Sir Michael Hintze AM (BSc '75 BE '77)

Sir Michael Hintze is the founder and Chief Executive of CQS Asset Management, a Director of Baer Capital Partners, and a trustee of the Hedge Fund Standards Board. In 2006, he established the Centre for International Security Studies and the Michael Hintze Chair in International Security at the University of Sydney.

Sir Michael recently pledged to support the launch of a flagship research and development incubator fund with the Charles Perkins Centre to explore commercially viable applications for improving individual and population health.

He is Treasurer of the Sydney University UK Alumni Association and Chair of the Friends of the University of Sydney UK Trust. He was made a Knight Commander of the Order of St Gregory by Pope Benedict XVI in 2005, and in January 2008 was named Australian of the Year in the UK.

Mr John Hooke CBE (BSc '55 BE '58)

Mr John Hooke's first job was with Amalgamated Wireless Australia, where he was involved in producing the first transistors. He rose through the company to become chairman and chief executive from 1974 to 1988. He was also chairman of Tubemakers of Australia, and director of several companies including BHP, National Australia Bank, AMP General Insurance, Network Ten, Crane Group, and Interscan Australia. He is the Chairman of Universal Solar and Surface Science, and serves as a council member on the University of Sydney's Science Foundation for Physics.

In 2011, he established the John Hooke Chair of Nanosciences at the University's School of Physics and the Australian Institute for Nanoscience. The facility is due to be completed in early 2015.

Mrs Susan Maple-Brown AM (BSc '65)

Mrs Susan Maple-Brown is a Governor and Member of the Projects Committee of the Foundation for National Parks and Wildlife, former deputy state commissioner for the Girl Guides New South Wales and Australian Capital Territory, and Vice-President of the Florilegium Society at the Royal Botanic Gardens and Domain Trust.

Through the Maple-Brown Family Charitable Foundation, Mrs Maple Brown, with her late husband Robert, donated funds to establish the Christine Maple-Brown Clinic for Colorectal Cancer at the Lifehouse Cancer Centre. This foundation will establish a scholarship for research in the field of colorectal cancer in Christine's name. The Maple-Brown Family Charitable Foundation has been a notable supporter of the University of Sydney for many years.

Dr Stuart McGill (BE '64 PhD '69)

Dr Stuart McGill retired from Exxon Mobil Corporation as a senior vice-president in 2007, having started his career at Esso Australia in 1969. His 38-year career in the energy business took him to vital oil and gas production and processing areas throughout the world.

Dr McGill has lived and worked in Australia, Europe, Southeast Asia and the United States. He has maintained close ties to the University of Sydney and is a board member of the Warren Centre for Advanced Engineering and the Chemical and Biomolecular Engineering Foundation. Dr McGill joined the advisory board of the John Grill Centre for Project Leadership in 2012. He is also a Governor of the Committee for Economic Development of Australia.

Mr Daniel Petre AO (BSc '81 MBA '86)

Mr Daniel Petre has spent more than 30 years in the technology industry both in Australia and overseas. He is a tireless supporter of philanthropy awareness in Australia, and serves on the board of the Garvan Institute of Medical Research and the board of the Sydney Theatre Company, as well as advisory councils for the Centre for Social Impact and the University of Sydney Medical School.

In January 2014, the inaugural Petre Foundation Chair of Prostate Cancer Research was appointed at Sydney Medical School – the first of its kind in Australia. The Petre Foundation is also a vital supporter of Hoc Mãi, the Australia Vietnam Medical Foundation, and the Brain and Mind Research Institute at the University of Sydney. The Petre Foundation supports a chair of breast cancer research at the Garvan Institute, and neuromuscular research at the Institute for Neuromuscular Research at Westmead.

Mr Greg Poche AO (DipTech '76 BBus '79)

Mr Greg Poche is the founder and former chairman of worldwide logistics company Startrack Express. In 2008, he gave a major donation to establish the groundbreaking Poche Centre for Indigenous Health at the University of Sydney, and serves as a member of the centre's advisory board. He has also been a pivotal supporter of Aboriginal and Torres Strait Islander and other health initiatives at the University of Melbourne, Flinders University in South Australia, and Charles Darwin University in the Northern Territory. His support was instrumental to the establishment of the Melanoma Institute of Australia, which opened in 2010.

Foundations

Our foundations were established by the University's Senate to bridge the gap between the University, industry and professions and achieve world-class results in a wide variety of fields.

We wish to thank the talented and dedicated staff and volunteers of these organisations for their fundraising efforts during 2013.

Foundations include:

- Accounting Foundation
- Australian Lebanese Foundation
- Celtic Studies Foundation
- Chemical and Biomolecular Engineering Foundation
- Civil Engineering Foundation
- Dairy Research Foundation
- Electrical and Information Engineering Foundation
- Faculty of Pharmacy Foundation
- Hoc Mãi, the Australia Vietnam Medical Foundation
- Inorganic Chemistry Foundation
- Melanoma Foundation
- Near Eastern Archaeology Foundation
- Nepean Medical Research Foundation
- Nerve Research Foundation
- Poultry Research Foundation
- Power Institute Foundation for Arts and Visual Culture
- Save Sight Foundation*
- Sydney Conservatorium of Music Foundation*
- Sydney Law School Foundation
- Sydney Medical School Foundation (including the Microsearch Foundation of Australia, the Endocrinology and Diabetes Research Foundation* and Sydney Burns Foundation)
- Sydney Peace Foundation
- Sydney University Nutrition Research Foundation
- The University of Sydney Physics Foundation
- University of Sydney Sports Foundation
- Veterinary Science Foundation.

*These foundations closed in 2013.

Investment and capital management report

Investment and Capital Management (ICM) manages the University of Sydney's investment portfolio, which comprises endowment capital, operating funds and commercial real estate investments. The pool of capital is divided among three investment portfolios: short-term, medium-term and long-term funds.

The long-term funds primarily consist of the University's philanthropic capital. The highly experienced ICM team invests the funds in a selection of defensive, growth and alternative asset classes in line with an approved Strategic Asset Allocation framework. For the long-term funds portfolio, the framework is designed to generate returns that allow for yearly withdrawals of 4.5 percent while preserving the capital in real terms.

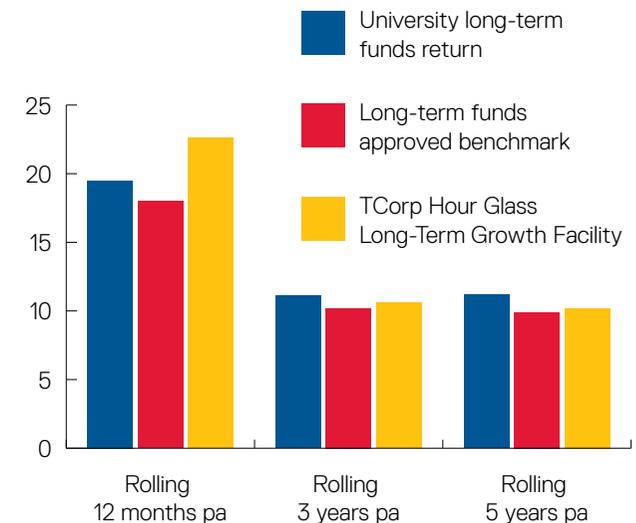
Investments in debt securities across the three portfolios are managed in house. All other investment classes are managed externally by selected sector specialist managers. Both the long-term and medium-term investment portfolios were fully unitised in early 2012.

Long-term funds performance in 2013

The investment environment improved markedly over the second half of 2013, with most asset classes posting solid returns for the year. The result was a strong positive annual return for the long-term funds, of 19.5 percent.

As shown in the chart, the return on the University's long-term funds was above the approved internal benchmark over all periods shown and above the NSW Treasury Corporation Hour-Glass Long Term Growth Facility, over the rolling three-year and rolling five-year periods.

Long-term funds performance (%) to the end of December 2013



Notes:

The University's returns are after underlying external manager fees and inclusive of franking credits.

The NSW Treasury Corporation manages the Hour-Glass Long-Term Growth Facility, and is comparable to the University's long-term funds in nature. The facility's returns are after external manager fees, and have been grossed up to account for internal administration fees.

Past performance is not a reliable indicator of future performance.

MORE INFORMATION

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Looking forward: Dr Michael Spence, Vice-Chancellor
and Principal, is pictured right with student volunteers.
Photography: John Feder

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reserves the right to make alterations to any information
contained within this publication without notice. 14/3502



Great Hall
More tables
MacLaren Hall
Museum
Richardson Museum

You INSPIRED me. Thank you
SYDNEY

Man in suit and teal tie

You INSPIRED me. Thank you
SYDNEY

INSPIRED

The Campaign to support the University of Sydney