

LuminesCent



Professor Mathew Vadas AO with Professor Jenny Gamble

The Elixir of Youth comes to mind when I think of the huge influence young people are having on the Institute. Their creativity can be seen at all levels, and is crucial to keeping Centenary at the forefront.

At the community level, for instance, the Young Centenary Foundation (YCF) has had a huge year. Its impact can be measured not only in terms of the number of functions held or the

amount of money its members have raised (which was awesome), but also in the sheer number of exciting, thoughtful, enthusiastic young people with whom they engaged. These are the leaders of the next generation—and Centenary’s future. Thank you, Anna Lawrence and all the members of the YCF.

At the national level, boosting medical research, the annual Centenary Institute Lawrence Creative Prize has just been awarded for the second time. The magic of the prize is that it is for young researchers—less than eight years out from their PhD—and the sheer talent and creativity that it has unearthed gives me, as it should you, the faith that we have the most amazing resource in our young people in Australia.

Finally, at the Institute, we have a ‘Triumphant Trio’ of young Centenary scientists. Between them they have won awards for the best PhD at The University of Sydney (Dr Jodie Ingles) and the two first-placegetters in the University of Sydney Immunology and Infectious Diseases Honours program (Ellie Powter from Vascular Biology and David McDonald from Liver Immunology).

Just being in the same environment as these wonderful, young scientists is energising, and it makes the problem of ageing even more poignant. The issue of ageing is not simply a lack of youth, but also the burden of unpredictable degeneration and all its global social consequences.

While much thought is being given to the ageing process from points of view of exercise, weight control and good nutrition, the actual mechanisms involved are not well understood. We do know, however, that inflammation is a key component, and also that the process involves senescence in individual cells. The Institute has thus decided to open two new laboratories to address questions of the molecular pathways of ageing and age-related vascular processes.

I hope that one day I may be able to report to you that we have an Elixir of Youth—or at least a way of extending productive lifespans.

Professor Mathew Vadas AO
Executive Director, Centenary Institute

From the prick of a rose thorn to a better understanding of ageing



Following the prick of a rose thorn, a paper cut, or an infection our bodies start to fight back. And the defence begins with inflammation. That inflamed, tender, red patch we all know as

the hallmark of a wound or infection is the result of certain white blood cells summoning the troops and increasing the blood supply to deal with a wound or invasion.

Professor Wolfgang Weninger, head of Centenary’s Immune Imaging program, who leads our work in inflammation research, says “understanding inflammation is becoming an important topic across Centenary, helping

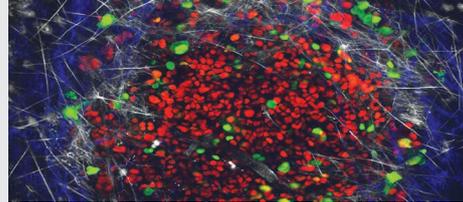
us understand cardiovascular disease, organ rejection and auto-immune diseases, for example. Another important issue is ageing. Our immune system response changes with age. It’s part of the process of ageing, where the body becomes less and less capable of coping with destructive events.”

There are many different kinds of immune cells. Professor Weninger and his colleagues have developed techniques to track each kind of cell and watch the unfolding battle between these cells and deadly bacteria, viruses and parasites. “The techniques have wide application”, says Professor Weninger, “allowing us to see both microbes and immune cells at the same time, as well as all the structures – such as blood vessels, nerves and hair follicles – in a variety of different

organs including brain, liver and skin.”

This work will help researchers across the Institute develop therapies to cope with infection; assist with wound healing; and reduce the effects of ageing.

Inflammation is becoming so important to Centenary that Professor Weninger and his colleague Professor Jennifer Gamble are organising a multidisciplinary conference on the topic in Sydney in March 2014.



Centenary Institute Lawrence Creative Prize will help solve puzzles of human genetics



The winner of the Centenary Institute Lawrence Creative Prize is Dr Jian Yang, from the Diamantina Institute of the University of Queensland.

He has solved one of the great puzzles of human genetics—why the genes typically implicated in inherited diseases like schizophrenia, obesity and diabetes only account for a small amount of their heritability.

His prize was announced in November 2012 where he received a cheque for \$25,000 and a “fruit of knowledge” glass sculpture.

The purpose of the Prize is to encourage Australia’s best young biomedical researchers to stay in Australia and build their careers here.

The two finalists were Associate Professor Robert McLaughlin a medical engineer from the University of Western Australia and Dr Marc Pellegrini from the Walter and Eliza Hall Institute of Medical Research in Melbourne both received \$2,500.

The Prize honours Neil Lawrence, the Inaugural Chairman of The Centenary Institute Foundation. Neil and his wife Caroline hold Centenary Institute very near to their hearts, as they are both passionate about advancing the field of medical research so that all Australians can live longer, healthier lives.

We acknowledge the generosity of our sponsors and thank them for making this prize possible.



From top: Centenary Institute Lawrence Creative Prize; The Lawrence family Tom, Anna, Neil and Caroline were on hand for the event; Centenary Director Professor Matthew Vadas AO and Neil Lawrence, with finalists Associate Professor McCaughlin and Dr Pellegrini; The 2012 Centenary Institute Lawrence Creative Prize winner Dr Jian Yang

Major sponsors:



Supporting sponsors:



Event sponsor:



Advertising sponsor:



New research group to study health span and ageing

We are all living longer so the world’s biggest health problems are now degenerative diseases rather than infections. The Institute’s newest research group leader, Dr Masaomi Kato, who moved to Australia from Yale University earlier this year, has established a new Laboratory of Ageing.

“The more we know about the ageing process, says Dr Kato, the better able we will be to improve the quality of elderly people’s lives. “So rather than just life span, I want to understand more about health span.”

To ensure that we live well longer, one has to understand what goes wrong with the body as it ages We are now looking at ageing as a molecular as well as a social process, and at finding molecular cures for

the abnormalities. In other words, treating ageing as we do cancer. We look forward to updating you as this important new work unfolds.

“So rather than just life span, I want to understand more about health span.”



Centenary's part in the worldwide effort to STOP TB

Tuberculosis (TB) is second only to HIV/AIDS as the greatest killer worldwide due to a single infectious agent.

In 2011, about 8.7 million people worldwide fell ill with tuberculosis and 1.4 million died and cases of drug-resistant strains of tuberculosis are on the increase.

These figures emphasise the critical importance of the work of the Institute's tuberculosis research program led by Professor Warwick Britton. Professor Britton's program has been recognised and supported by Australia's National Health and Medical Research Council (NHMRC) as a Centre of Research Excellence in tuberculosis control and the recipient of other grants to further its work in developing vaccines against TB.

"We are working to understand how the TB bacterium infects us and can hide so successfully from our immune defences for decades, and why only 10% of the 2 billion people infected worldwide actually become ill. We are also working on how we stop the spread of TB by carefully managing infected people" said Professor Britton.

The Institute is also involved in containment programs in Vietnam and China.

Dr Magda Ellis is collaborating with molecular biologists from the Chinese

National Human Genome Centre in North-West China and Dr Greg Fox is based in Vietnam where he is working to reduce the risk that family members face when a relative has active TB. Dr Fox is also collaborating with Dr Bernadette Saunders in Sydney to analyse genetic variation in TB patients and control subjects in Hanoi in a study that parallels the Chinese work.

"The Centenary Institute's contribution to the war against TB is broad and deep," says Professor Britton. "It is important for us not only to assist the global fight against this deadly disease, but also to be prepared for an invasion of our own country.

"Multi-drug resistant strains of TB have already been reported from our nearest neighbour, Papua New Guinea. And where multi-drug resistant TB has been around for a decade or more, and has not been treated, it is completely predictable that extensively drug resistant TB – that is, resistance to the five main classes of drugs used to treat TB – will occur," Professor Britton says.

This year Centenary opened its \$1.2 million high-containment laboratory that is allowing researchers to double their efforts in fighting back against TB.



Professor Warwick Britton and Dr Bernadette Saunders



Our Vision is Global Health through excellence in medical research and its translation.

Our Mission is to discover and bring to use novel therapeutics and diagnostics.

Our dedicated scientists conduct fundamental research to understand the work of the body's genes, cells and proteins. We are affiliated with the RPA Hospital and the University of Sydney which allows us to translate directly discoveries in the lab to prevent the diseases that affect so many of us.

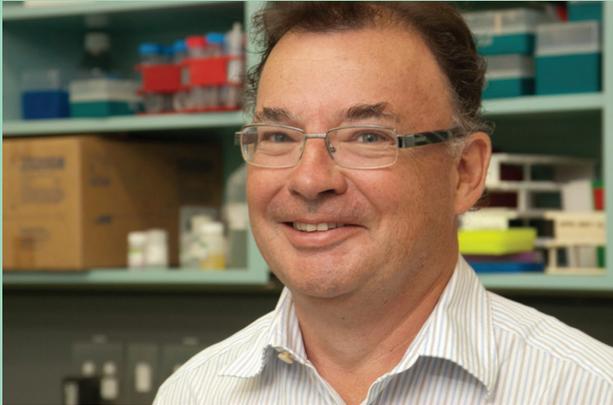
Flying cells to Germany

PhD Scholar Libby Hamson has recently returned to the Centenary Institute after spending five months in Germany. Libby flew to Freiburg with her frozen cells to perform extensive analyses on her protein of interest, Fibroblast Activation Protein (FAP). This trip has allowed her to progress her PhD studies in collaboration with Dr Oliver Schilling at the Institute for Molecular Medicine and Cell Research, University of Freiburg. Her PhD is within the Liver Injury & Cancer laboratories at Centenary and focus on the field of proteomics (the study of proteins in cell composition). With this, she hopes to provide further insight into the role of FAP and therefore help to elucidate its role in cancer progression and liver fibrosis. By researching and understanding more about disease and cancer on a cellular level, Libby is contributing to the knowledge around liver disease. She aims to find new ways of prevention and cures for disease and help progress medical research in the field.



Fewer liver transplants look to be on the horizon

The latest of a set of new therapies to treat hepatitis C virus (HCV) infections are so effective they could reduce the need for liver transplantation dramatically.



That's the view of Professor Geoff McCaughan, Head of the Liver Injury and Cancer research program at the Centenary Institute, and Director of the Royal Prince Alfred Hospital's liver transplant program. And he has put it forward in a deliberately speculative paper on the frontiers of liver transplantation released in the *Journal of Hepatology*, one of the world's most important liver publications.

"In a decade or so, I think the third wave of the new HCV therapies that incorporate direct antiviral agents (DAAs) might make it possible for the supply of livers in Australia to meet the demand for transplants," Professor McCaughan says, "particularly if we increased our levels of donation to match those of Spain or Croatia

DAAs are drugs which stop the proliferation of viruses. Their emergence is the product of the many years of research into treatments for HIV infection. But they are now having a significant impact on many other viral diseases. And against HCV, the latest of these therapies—the third wave—have become a real game changer, says Geoff McCaughan.

The first two waves of DAA therapies demanded the concurrent use of interferon. The third does not and the difference is critical. With interferon doctors found significant drug-drug interactions leading to side effects that took a heavy toll on patients. "In potential transplant patients, they had to be used very carefully," Geoff McCaughan says.

But the third wave not only avoids this problem, but only needs to be taken for a relatively short time. What's more, preliminary evidence suggests the new treatment can all but clear the virus from about 90 per cent of patients. This opens up the possibility, according to Professor McCaughan, of curing HCV sufferers with mild and moderate liver disease before there is any need for transplantation. And that would leave only those with severe liver disease and liver cancer needing transplants.

As third-wave DAA-based therapies are only now beginning to be trialled in potential liver transplant patients, we will only know for sure in about 18 months if this promise will be realised.

First trip abroad sees PhD Candidate win immunology prize

There comes a time in people's careers when they have to step up. For one of our Liver lab PhD students did so in a big way, involving thousands of kilometres travelled and a lifetime of experiences.



For Michelle Vo, it required a new passport, a 33,000km round trip, competition from 11 international PhD candidates and quite literally 'stepping up' into the bright lights of the big stage.

Michelle was selected to present at the European Congress of Immunology (ECI) 2012, in Glasgow, Scotland, with an audience from 31 European countries and beyond, where she picked up the 2nd place prize in the Bright Sparks in ECI Immunology.

Bouncing through the corridors of the Centenary Institute after her return she says "this award has doubled my energy and focus for research". So we expect to hear of even more achievements from Michelle in the near future.

Dr Devanshi Seth ready to test the genes of thousands of drinkers

Centenary's Dr Devanshi Seth, a researcher who works in the liver lab and who also works at RPA's Drug Health Services has given an in-depth interview about her work on heavy drinking and liver cirrhosis in the online magazine femail.com.au.

Dr Devanshi and her colleagues are soon to start testing the genes of hundreds of Sydney-siders and thousands of others across six countries with the support of the grant from the US National Institute on Alcohol Abuse and Alcoholism (NIAAA), part of the National Institutes of Health (NIH).

The US government is investing \$2.5 million in a Sydney-based study to determine the role of genetics in alcoholic liver disease. The study, should lead to better diagnosis and treatment of the condition – a silent epidemic that costs \$3.8 billion a year in Australia alone.



Highly prized heart researcher



NHMRC/
National Heart
Foundation
early career
fellow Dr Jodie
Ingles is the
winner of the
annual Rita and
John Cornforth
Medal for the
highest quality
PhD across the
entire University
of Sydney for

her contributions to the University and broader community.

Earlier, Jodie had won the 2011 Peter Bancroft Prize for a thesis which passed without amendment and is regularly invited to present talks on her work at conferences in Australia, Europe and the US.

Jodie's work at Centenary Institute includes expansion of the Australian Genetic Heart Disease Registry, which she helped to establish with the Head of the Molecular Cardiology group, Professor Chris Semsarian, and of which she is the National Coordinator.

Turmeric could spice up malaria therapy



Dr Saparna Pai has been awarded an Australian Academy of Science Early-Career Australia-India Fellowship to investigate curcumin's action on immune cells during malaria infection. The Fellowships were announced by the Academy during the visit to India of the Prime Minister, Julia Gillard.

Well over 200 million people worldwide are infected with malaria, and more than 650,000 die of the disease each year, mainly children. "It has long been known in India that curcumin is useful in treating malaria," says Dr Pai, a post-doctoral fellow in Professor Wolfgang Weninger's Immune Imaging laboratory at the Centenary Institute.

Dr Pai will be working with a team at the highly-regarded Malaria Research Group (MRG) at the International Centre for Genetic Engineering and Biotechnology. "In the long term", says Dr Pai, "the project could contribute to the development of a vaccine".

Sydney doctor inaugurates \$4-million Chair to explore a hidden organ

In March, Sydney doctor and philanthropist Tom Wenkart donated \$4 million in the presence of the NSW Governor, Her Excellency Professor Marie Bashir AC CVO, Chancellor of the University of Sydney, to endow the University of Sydney Wenkart Chair in Endothelium Medicine at the Centenary Institute.

The inaugural holder of the Chair is Centenary's Professor Jennifer Gamble, one of the pioneers of endothelium research.

We each have within us some 80,000 km of pipelines that carry the essential

supplies needed to all parts of our body. The endothelial cells that form this network of blood vessels are essentially a hidden organ weighing about one kilogram. But the workings of this internal transport infrastructure are largely unknown.

The endothelial cells maintain perfect, smooth pipelines year after year but then, when there's an accident they turn into traffic cops within minutes, allowing white blood cells to pass through the wall of the blood vessels, and giving emergency services access to the scene.

These same endothelial cells are implicated when things go wrong in atherosclerosis and auto-immune disease.

And tumours need endothelial cells to form blood vessels – without new blood vessels, tumours won't grow.

Professor Gamble hopes that, over the next decade or two we'll be able to understand and control the endothelium in diseases—especially inflammation and those associated with ageing such as atherosclerosis and Alzheimer's.

City2Surf: Run4Research team sets the pace

Well-deserved congratulations again to all our Run4Research team members for their extreme efforts leading up to and on the day. Many exercise regimes were tested and proved to be effective for the 14km fun run.

The lightning time of 59.21 was reached by Aaron McGrath who led the way for the Centenary team followed by Darshan Parmar (62.07), Matt O'Donnell (65.48) and Ben Roediger (72.35).

Centenary Scientist Dr Jeff Holst (74.23) was next in the race and also takes the prize for our highest fundraiser! Dr Holst overtook his \$2,000 target and raised almost \$3,000! Victoria Payne also achieved more than her target with \$1,240.

Particular thanks to all those who supported the team in their fundraising efforts. Together we raised over \$17,000! This will help our research into the diseases that affect so many of us including, cancer, heart disease and diabetes.



City2Surf 2012: Run4Research team sets the pace

Business and politicians unite to support exciting field in Medical Research

At the 2012 Foundation dinner, Dr William Ritchie talked to a who's who of Sydney's business and political community about how fast computing is transforming research at the Institute.

At the event, hosted again this year by our generous partner, Pricewaterhouse Coopers, some of our biggest supporters learned how a new generation of medical researchers – mathematicians, physicists and engineers – are invading research laboratories.

Hunting through the gigabytes of information produced in the lab and finding patterns - gene sequences connected with certain cancers or DNA sequences that don't seem to be doing anything, for example – these next-gen scientists are even running virtual experiments – doing in seconds what would take months of laboratory work.

William Ritchie is at the forefront of this revolution at Centenary Institute. He's a Research Fellow and the first Group Head of our Bioinformatics program. Today practically

every laboratory at Centenary is generating gigabytes of data. William's focus is to find the useful information in the data.

At the big event, guests had the chance to bid on a number of outstanding prizes in the live auction and purchase fine art over a 3 course menu designed to match premiums wine donated by Hardy's, Mount Mary Vineyards, Seppeltsfield and Peter Lehmann. The event raised over \$160,000 to support the Foundation Fellowship in Bioinformatics.



Guests at the Foundation Dinner enjoyed a presentation from a Foundation Fellow in Bioinformatics, Dr William Ritchie and the Hon Tanya Plibersek MP, Federal Minister for Health.

Young Centenary shines in its first year

Since its incorporation in March 2011, the Young Centenary Foundation (YCF) has wasted no time in racking up a host of successful sold out events and raising much needed funds for medical research.

The YCF team feel medical research should be just as relevant to young people as music, art and culture. They're engaging with local artists and comedians as well as the food industry to get young people excited and interested in medical research and even donate some money.

They are well on their way to their first major goal of funding a post-doc position for a young scientist at the Centenary Institute to study a disease which affects young people.

If you would like to support a YCF event or to find out more about what this exciting group is up to next, visit youngcentenary.org.au



Left to right: The first YCF fundraising event was a night of comedy, music and energy which raised over \$2000. YCF then collaborated with YOLK Collective and Georgie & Friends for a cosy little folk night with \$1200 raised in yet another sell out event. Top: A crowd of about 60 people filled the couches at FBI Social in Kings Cross and lit up the Twittersphere with ferocious debate on the topic "We are living longer, but are we living better?". Bottom: "Everyday Fantasia" – featured Sydney's artistic underground with commission from all works and raffle prizes raising over \$6000.

Structural Biology lab surfs for a cure



Centenary researcher Dr Josep "Pep" Font competed in October in one of the world's most gruelling ironman races, The Coolangatta Gold, while raising funds for the Structural Biology lab in which he works.

Dr Font started competing in adventure races about five years ago, and switched to surf lifesaving events after joining the Bondi Surf Bathers' Life Saving Club (BSBLSC). He wanted to improve his skills in the water.

The Coolangatta Gold, however, is a quantum leap from your everyday surf competition. The men's race begins with a 23 km surf-ski leg, a 650 m beach run, a 3.5 km surf swim, another 4 km beach run, and a 5.5 km board paddle, all before the final torturous 10 km beach run to the finish line.

Not only did Dr Font rise to the occasion by finishing the race, he did so in 4 hours and 30 minutes AND raised over \$2,500 for his work into helping find cures for degenerative diseases like cancer.

The researchers in Centenary's Structural Biology lab are studying the structural mechanisms by which nutrients are transported into the cancer cells, enabling them to grow and multiply. They believe that by understanding this process they will be able to develop effective drugs to target nutrient uptake, crippling and killing tumour cells with fewer side effects.



Dr Font works under Assoc. Professor Mika Jormakka, Head of the Structural Biology Group who has also been rising to the occasion. Assoc. Professor Jormakka was recently promoted to Faculty at Centenary Institute and appointed a Conjoint Associate Professor at Sydney Medical School, The University of

Sydney. Congrats to both Dr Font and Assoc. Professor Jormakka for their amazing efforts!

Quirky cosies for melanoma research

Huge thanks to Centenary friend and community fundraiser Jan Cook, who's daughter is dealing with Melanoma. Jan hand-knitted these quirky tea-cosies, the latest trend in the world of afternoon tea, in support of our Melanoma research program. If you would like to get yours contact LB at l.albanese@centenary.org.au.

They are \$50 each, with proceeds going towards the work of Dr Nikolas Haass who leads our melanoma research team.



Please help us discover how to live longer, healthier lives.



Donate online at www.centenary.org.au/donate

OR Call us on 1800 677 977 (toll free) from Monday to Friday.

OR Return this coupon to Centenary Institute, Reply Paid 83998, Newtown NSW 2042.

Thank you for your support

Please send my receipt to:

Mr/Mrs/Ms/Miss:

First Name:

Surname:

Email*:

Address:

Suburb:

State:

Postcode:

Phone:

Supporter ID:
(if known)

Donations of \$2 or more are tax-deductible

*We ask for your email so we can update you about our progress in a way that uses less paper and postage costs

I would like to donate:

\$75 \$100 \$250 My choice of: \$

Payment Options:

Cheque/Money Order (made payable to Centenary Institute)
 Visa Amex Mastercard

Name on Card:

Card Number:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Expiry Date:

Date of Birth:

CVN

M	M	/	Y	Y	D	D	/	M	M	/	Y	Y	Y	Y			
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--

(last 3 digits on the back of card)

Other ways you can help:

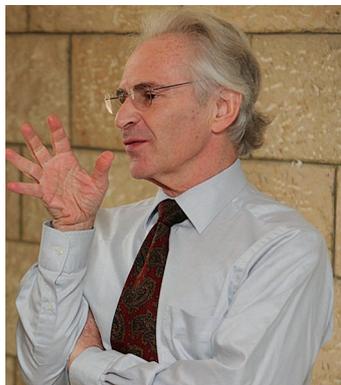
- Please contact me about including Centenary Institute Medical Research Foundation in my Will.
- Please send me a brochure on becoming a Research Partner so I can make regular monthly donations to Centenary Institute.
- I would like to organise or participate in a fundraising event to support Centenary Institute, please contact me about how I can help.
- I would like to attend a Centenary open lab tour in Sydney

We value our relationship with you and wish to keep you informed about our work. We also recognise the importance of your privacy and the safeguarding of your personal information so we are careful with all your details and use them to contact you only about issues we believe will be important to you.

The Centenary Institute complies with the Federal Privacy Act and has a Privacy Policy that can be downloaded from www.centenary.org.au. If you have any questions relating to our Privacy Policy or if you do not wish to receive information from the Centenary Institute, please call us on 1800 677 977.

A meeting of the world's best minds celebrates Centenary

Eminent speakers, awards, expert researchers, the Governor of New South Wales – the Centenary Institute Annual Meeting in August truly was a celebration of everything we've achieved in the past 12 months.



Professor Marc Feldmann gave the keynote address.

The Annual Meeting was also the culmination of a visit from our Scientific Advisory Board (SAB), an elite international group of scientists, who spent three days assessing Centenary's work and preparing a report that will help us set our course for the next year.

These eminent researchers bring an impartial, outside perspective, helping to keep Centenary on track and aiming for excellence.

Advisory board members include:

- Professor Sir Marc Feldmann (Chair), Head of the Kennedy Institute of Rheumatology at the University of Oxford.
- Professor Ian Frazer AC, Australian of the Year and Prime Minister's Prize for Science winner.
- Professor Michael Good, past President of the Association of Australian Medical Research Institutes.
- Professor Matthias Hentze, Associate Director of EMBL, the European Molecular Biology Laboratory.
- Prof Richard Flavell FRS has agreed to join the SAB in 2013.

Thank You

Centenary Foundation acknowledges with deep gratitude those who left a Bequest to Centenary:

The Estate of the Late Leslie Allen Maurer

The Estate of the Late Eva May Barrowman

Thanks also to all our community

fundraisers, Ms Laura Beth Albanese, Ms Brooke Sachs, Mr Albert Milne, Mr Andrew Wenmoth, Mr Darshan Parmer, Ms Laura Koefoed, Mr Matt O'Donnell, Mr John Behan, Mr Kinsha Baidy, Mr Ben Roediger, Ms Michelle Vo, Mr Richard Daniel, Dr Victoria Payne, Dr Jeff Holst, Ms Holly Bolton, Ms Alexandra Terry, Mr Guy Marshall, Mr Nick Wokes, Miss Anna Lawrence, Mr Georgie Skipper, Ms Erin Moy, Ms Olivia Rorke, Ms Caroline Fanning, Dr Joseph Font, Ms Kylie Hardey, Ms Jenny Bamford, Miss Leisl Holterman, Ms Meg Taylor, The HardYak 2012 Team: William D'Avigdor, Ben Bradshaw, Dimitry Peisakhov, Rupert Robey.

Many thanks to our Trusts and Foundations and major gift donors and to our corporate and event supporters and sponsors:

Pricewaterhouse Coopers, Mount Mary Vineyards, Qantas, Peter Lehmann, Hardy's, Seppeltsfield, Nike, with a special thanks to "Matty" O'Donnell, STW Group, UBS, The Australian, Val Morgan Cinema Network, Mindshare, Deloitte, Tintilla Estate, Aboriginal and Pacific Art Gallery, Arterial Gallery, Paul Bacon, Matt Boyd, Brenda May Gallery, Darren Knight Gallery, Chris O'Doherty aka Reg Mombassa, James Dorahy Project Space, Greenaway Art Gallery, Julie Krone, Caroline Lawrence, Leo Loomans, MICK Gallery, Michael Purdy, Utopia Art Sydney, Watters Gallery, Annette Larkin Fine Art, Dominik Mersch Gallery, Andrew Fane, Artifix, Christopher Hodges and Utopia Art Sydney, Albert Jangtong, Lawrence Creative Strategy, Paul Sumner and Mossgreen Auctions, Frank Watters and Geoffrey Legge, Watters Gallery, Richard Champion de Crespigny, Jonathan Zwart, FX Framers, ANZ Stadium, Racing NSW, The Baxter Charitable Trust, The Ian Potter Foundation, Thrasher Research Fund,

Perpetual Trustees, Leukemia Foundation, National Heart Foundation, Ramaciotti Foundation, Prostrate Cancer Foundation, Australian Rotary Health Research Fund, The Cardiology Society of Australia and New Zealand, Heart Kids, The Momma Lena and Dino Gustin Foundation, RT Hall Trust, Rob Mactier.

A special thanks to the Rotary Club of Roseville Chase for a \$5,000 travel grant awarded to the T-Cell Biology group. We will bring you an update on how these vital funds have made the difference to a young researcher in our next issue.

Thank you to our workplace giving supporters:

Macquarie Group Foundation, Swiss Re Australia, Qantas, Westpac Group, William Grant & Sons Australia Pty Ltd

The inaugural Young Centenary Foundation Group:

Anna Lawrence (Chair), Caroline Fanning, Lauren Sullivan, Erin, Moy, Olivia Rorke, Nick Wokes, Georgie Skipper, Laura Beth Albanese, Felix Daniel, Dr Jeff Holst

And finally we acknowledge the dedicated individuals who steer the Centenary Institute and support our initiatives –

The Centenary Foundation:

Mr Joseph Carrozzì (Chairman), Justice Margaret Beazley AO, Ms Elizabeth Dibbs, Mr Simon Dulhunty, Mr Simon Ford, Mrs Julie Ford, Mr Neil Lawrence, Mrs Caroline Lawrence, Mr John Samaha, Mr Andrew White, Ms Annette Larkin

...and the Centenary Institute Board of Governors

The Hon Michael Egan (Chairman), Mr John Samaha (Deputy Chairman), Dr Teresa Anderson, Mr Ken Cahill, Mr Joseph Carrozzì, Mr Alastair Davidson, Professor John Horvath AO, Mr Graham Kelly, Mr Neil Lawrence, Dr Susan Pond AM MBBS MD DSc, FTSE, Professor Bruce Robinson AM, Mrs Josephine Sukkar, Professor Mathew Vadas AO

Please visit
www.centenary.org.au
to link to our videos on
YouTube and find out
how to join our online
social media networks.



Centenary
Institute
research
for life



Centenary Institute
Medical Research Foundation
ABN 85 778 244 012

Address: Locked Bag 6, Newtown
NSW 2042 Australia
Phone: 1800 677 977



Affiliated with the University of Sydney
and the Royal Prince Alfred Hospital