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December 2017

> from the University of South Australia



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Why optimism reigns for leading child protection researcher

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by Dan Lander



INSIDE UNISA

Professor Leah Bromfield received the Telstra Business Women's Award in the public sector and academia category. *Photo courtesy Telstra.*

As one of Australia's leading researchers into child protection, Professor Leah Bromfield is transforming attitudes – and lives – in a demanding field.

Tucked away behind an unassuming façade on Adelaide's North Terrace, the [Australian Centre for Child Protection](#) (ACCP) hums with positive energy, a bright and lively space that belies the challenging issues that engage it.

Spend a few minutes with the centre's co-director, Professor Leah Bromfield, and it's clear where a large part of that optimism springs from.

"Every staff meeting, our first agenda, right off, is to celebrate success," Prof Bromfield says.

"When the work you do is this hard, you have to recognise the small achievements along the way, to maintain hope and morale."

That Prof Bromfield has found so much success over the past few years is testament to that approach. A national winner at the prestigious [Telstra Business Women's Awards](#) in November, she has been integral in establishing a research-driven, evidence-based approach to child protection in Australia that is transforming the

Professor Leah Bromfield at th

What inspires Professor Leah Bromfield to work in child protection?

sector, and, more importantly, transforming the lives of vulnerable kids.

“This is not a field that has a strong evidence-based tradition and it’s very young, so it needs people with strong research skills to bring that rigour,” Prof Bromfield says. “I’ve always felt so privileged to be in this field because there are so many questions that need to be answered, and finding those answers means we can help children at such a large scale.”

Current system ‘not fit for purpose’

Chief among those questions is how to redesign Australia’s struggling child abuse prevention and protection systems. Currently, the sector’s limited resources are monopolised by emergency intervention, and while that is a crucial activity, Prof Bromfield believes that a lack of shrewd investment and continued failure to engage in prevention is undermining the existing system.

“Currently the child protection system is not fit for purpose,” she says. “This is why we see so many tragedies and a problem that’s getting bigger, not smaller. Our legislation is incident-based, our assessment is incident-based, but we really need a multi-pronged approach. We need an effective system for dealing with the kids who are unsafe today, but, simultaneously, we have got to do something that stops the problem growing. We’ve got to understand how you target prevention.”

Prof Bromfield’s work is directly aimed at developing that understanding, and nowhere is that approach more evident than in her recent role with the [Royal Commission into Institutional Responses to Child Sexual Abuse](#). Between September 2013 and June 2017, Prof Bromfield headed a research team engaging more than 70 international research groups to deliver more than 100 research projects directly informing the commission’s work.

“I’m really proud of the program I led for the Royal Commission,” she says. “We were able to address research questions that we would never have been able to answer without the powers of a Royal Commission, like how much child sexual abuse was happening in different orders of the Catholic Church. And we were able to inform a focus on prevention opportunities, such as research to underpin the Royal Commission’s work on child safe organisations.”

While Prof Bromfield credits the royal commissioners for the support they gave to her research role, she also acknowledges that the decision by UniSA to release her from her regular academic duties enabled her contribution. Prof Bromfield sees the impact of her work with the Royal Commission as powerful validation of the University’s commitment to engaging with policymakers in a tangible fashion, and says the same priorities drive the ACCP.

“It’s about working with industry to solve real social challenges and real-world problems,” she says. “It’s about being creative and enterprising and taking a business mindset to achieving those goals, and I think that the centre epitomises what it is to be an enterprising research centre.”

That enterprising character is evident in the strategic thinking that has shaped the centre since 2013, when its ten-year Commonwealth establishment grant was nearing an end. At that time, the ACCP underwent an extensive business redesign to ensure continued financial viability, adopting a very successful research model that emphasises the demands of policymakers and practitioners.

“In government and business, you have to value yourself and the knowledge that you bring in order to get the attention of the people that matter,” Prof Bromfield says. “And so, we offer high value research and advice. It is money saving advice, so we know we’re worth every penny. However, while we recognise the need to be financially sustainable, it isn’t the money that drives us. If we can’t see clearly that a project will contribute to transforming the lives of vulnerable children, we won’t do it.”

For Prof Bromfield, having such a clear mission is essential in maintaining both the morale and the morality in her profession. There’s no question that child protection is a daunting, difficult field, but by prioritising opportunities to deliver genuine change for children, Prof Bromfield ensures it is also very rewarding work.

“When I’m inducting new staff into the centre,” she says, “one of the things I tell them is that there are some things that still affect me, and if I came to a point where some things didn’t affect me, then I shouldn’t be doing this work anymore.

“The ability to emotionally connect and see the child in this is really, really important. But, at the same time, the vision and genuine prospect of making life better for kids through our work makes this an incredibly rewarding

field of research.”

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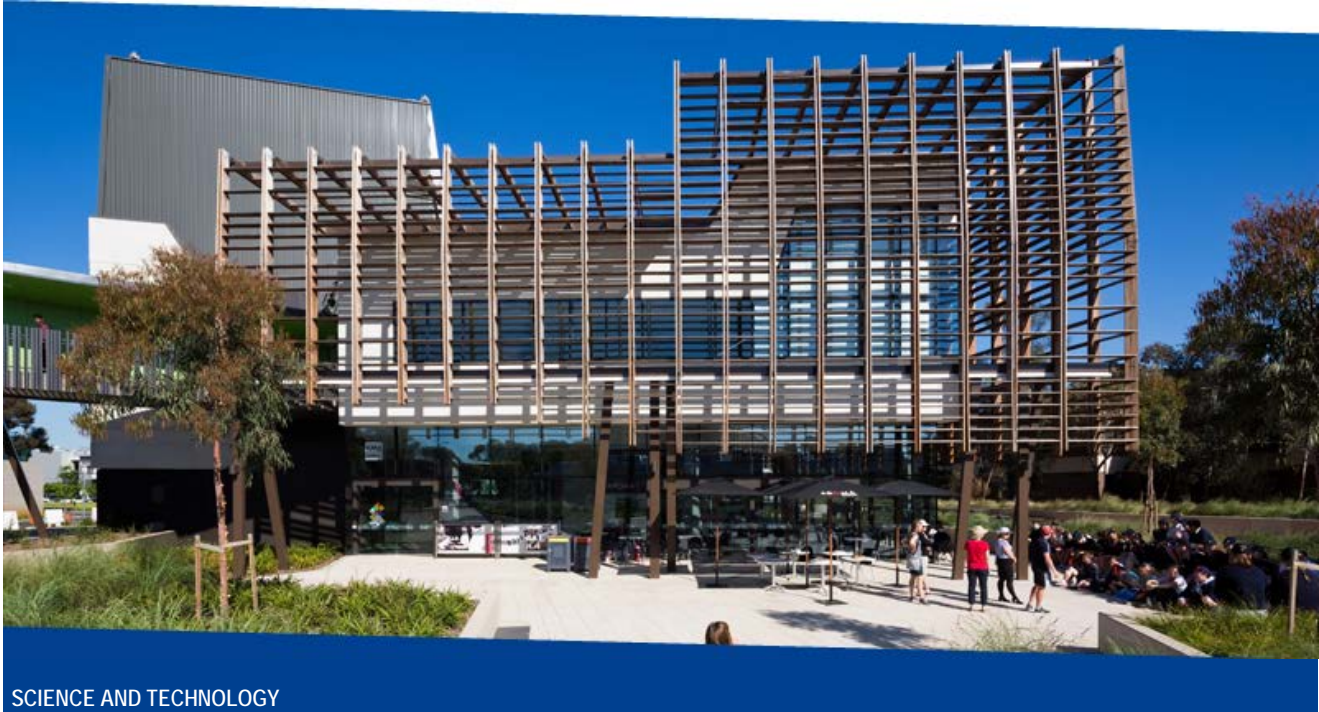


University of
South Australia

Mawson Lakes going greener

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by Candy Gibson



SCIENCE AND TECHNOLOGY

The \$7.7m project at Mawson Lakes will include solar panels on 18 buildings, one hectare of ground-mounted solar panels, and 3.2m litres of thermal energy storage – cutting campus emissions by more than a third.

UniSA's Mawson Lakes campus will be transformed into a national testbed of renewable energy technologies through a \$7.7m project incorporating solar power, flow batteries, a hydrogen fuel cell stack and thermal energy storage.

When the project is completed in 2019, UniSA's Mawson Lakes campus will house one of the largest flow battery and hydrogen fuel cell systems of any university in Australia.

It will also feature solar panels on 18 buildings at Mawson Lakes, one hectare of ground-mounted solar panels, and 3.2m litres of thermal energy storage.

The State Government has provided \$3.6m from its [Renewable Technology Fund](#) to help build the facility.

Project coordinator and researcher in UniSA's [Research Node for Low Carbon Living](#), Dr Stephen Berry, says the facility will put UniSA on the global map when it comes to renewable technologies.

"It will bring a host of new jobs and investment opportunities to the State as well as inspiring and developing the next generation of renewable energy professionals," Dr Berry says.

The proposed facility will increase the availability of zero carbon renewable energy, significantly ease pressure on the local electricity network and reduce the likelihood of power cuts to the campus, Dr Berry says.

The project is at the forefront of UniSA's strategy to reduce its carbon footprint and embrace renewable energy technologies, starting with its Mawson Lakes campus.

The campus underlined its green credentials in 2015, launching the Research Node for Low Carbon Living, the State's premier hub for multidisciplinary, industry-driven research, exploring low carbon solutions.

Partnering with leading Australian renewable energy companies, UniSA expects the facility to provide more than 250 MWh of electrical storage annually, reducing the campus's peak electrical load by 43 per cent, cutting its emissions by 35 per cent and making renewable energy available on demand. Annual energy savings are expected to be around \$470,000.

"We expect this project to lead to more educational, training and R&D opportunities with government and industry at Mawson Lakes, providing a holistic approach to cutting-edge sustainable technologies," Dr Berry says.

In 2016, UniSA was rated as the second most energy efficient university in Australia by the [Tertiary Education Facilities Management Association](#) (TEFMA) benchmarking calculator.

UniSA Vice Chancellor, Professor David Lloyd, says the University is committed to embracing renewable energy technology and determined to lead by example.

"South Australia is already leading the world in the transition to renewable energy.

"This project will enhance that reputation and also show other organisations how they can move towards energy independence and contribute to a carbon neutral future," Professor Lloyd says.

Also forming part of the project team are the Dean of Research and Innovation for the Division of Information Technology, Engineering and the Environment (ITEE) and Carbon Neutral Campus Leader [Professor Chris Saint](#), and ITEE Pro Vice Chancellor [Professor Simon Beecham](#).

Keep an eye out for the latest edition of UniSA's [Enterprise magazine](#) to find out about research the University is leading in this area.

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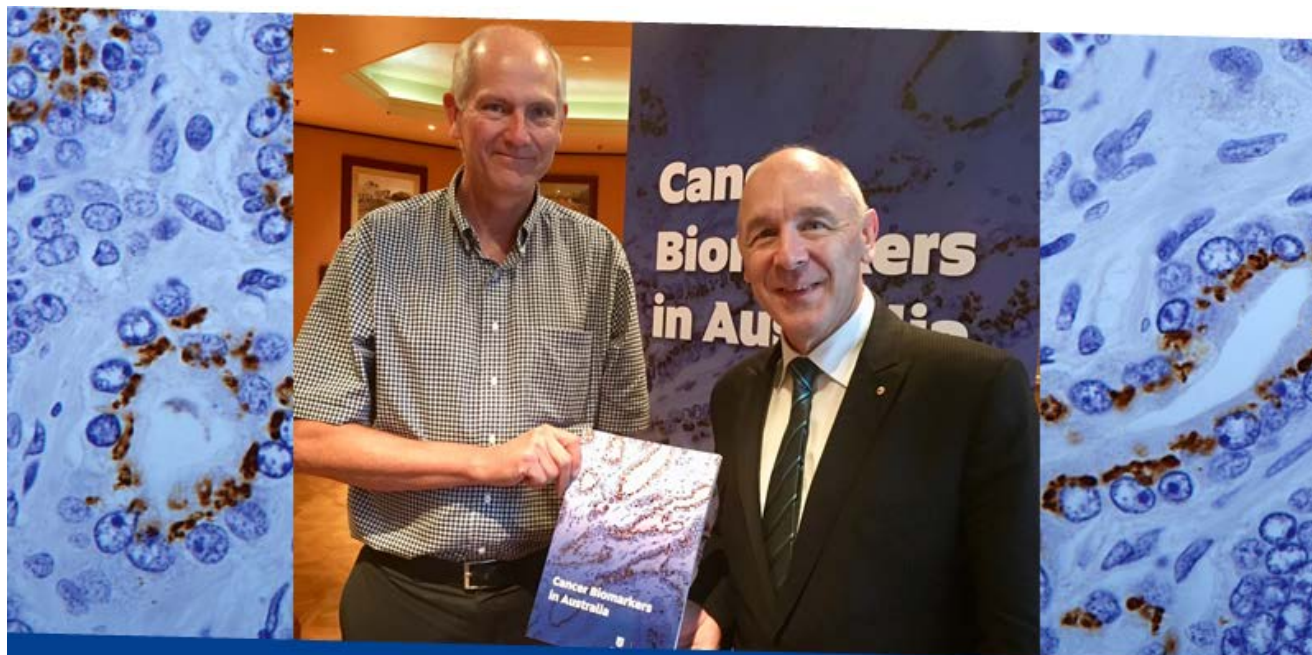
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Cancer biomarker tests could save thousands of lives a year

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by Michèle Nardelli



HEALTH

Professor Doug Brooks and Professor Ian Olver at the release of the report calling for the prioritisation of biomarkers relating to the most common cancers.

The lives of thousands of Australians could be saved or prolonged each year if research to identify the molecular fingerprint of key cancers is fast-tracked.

[Cancer Biomarkers in Australia](#) by the [Sansom Institute for Health Research](#) at UniSA found that the most common cancers – prostate, breast, colorectal and Australia’s biggest cancer killer, lung cancer, as well as rarer but deadly pancreatic and ovarian cancers – should be the focus of biomarker research. The finding was based on a survey of 116 Australian oncologists and researchers.

A cancer biomarker is a molecule produced by the cancer or the body in response to the cancer that can be measured in blood, body fluid or tissues. Identifying the molecular fingerprint of these cancers would lead to new diagnostic, prognostic and predictive tests for use with cancer patients.

Director of UniSA’s Sansom Institute, Professor Ian Olver says that fast-tracking research into biomarkers over the next five years “has the potential to transform cancer care more than anything seen over the past 50 years”.

“It’s not an exaggeration to say that biomarkers are the silver bullet that can speed up diagnosis and pinpoint the best treatment approach for the patient, maximising the response while minimising toxicities,” he says.

However, Prof Olver says that Australia must streamline regulatory and reimbursement processes “to ensure

bureaucratic red-tape doesn't stand in the way of matching medicines to biomarkers and seizing a new era in precision medicine".

The report's authors warn that Australia is lagging behind other countries in making cancer medicines available that are matched to a biomarker test, with a number of medicines paired to biomarkers widely available in Canada, England and France, but not funded in Australia.

Cancer medicines matched to a biomarker test that requires a Medicare Item Number take on average twice as long to be added to the [Pharmaceutical Benefits Scheme](#), compared to cancer medicines without a biomarker.

Removing red tape could save lives and money

Pointing to an example of a colon cancer medicine that saves \$600 million a year by being restricted to patients tested for a specific biomarker, Prof Olver said that biomarker-led treatment will save millions of dollars for the public purse.

"Research and reimbursement of biomarker-driven treatments should be a top priority for government. This is key to improving cancer survival and ensuring we get the best bang for buck," he says.

"Gone are the days of a one-size-fits-all approach where treatment decisions were based solely on tumour type or location. We can now gauge the molecular fingerprint of many cancers, allowing the right treatment to be given to the right patient, at the right time."

Existing cancer biomarkers include ALK, EGFR and PD-L1 in lung cancer, KRAS/NRAS in bowel cancer, PSA in prostate cancer, HER2 in lung, breast and gastric cancer, BRCA1 or 2 in breast cancer, BRAF in melanoma and DRG mutations in ovarian cancer.

The report calls for the Federal Government to approve and reimburse medicines based on the molecular characteristics of the cancer rather than where the cancer originates in the body, and to align the reimbursement of medicines with their accompanying biomarkers, ideally so this is handled by one agency. Currently, medicines are reviewed by the Pharmaceutical Benefits Committee and biomarkers are reviewed by the Medical Services Advisory Committee.

Co-author of the report, Professor Doug Brooks, says strict guidelines are needed for biomarker development, validation and implementation.

Current model leading to unnecessary treatment

Prof Brooks is involved in ground-breaking research to develop a new biomarker in prostate cancer that may replace the PSA test, which is known to give false-positive and false-negative results.

"There is a clear need to replace the PSA test, which can show elevated levels not just in men with prostate cancer but in response to benign conditions, as well as recent sexual activity or even having just ridden a bicycle," he says.

"This leads to unnecessary biopsies and treatment in men who are well, as well as missed diagnosis in around 15 per cent of men with prostate cancer.

"Our research has revealed that the entire cellular pathway is altered in prostate cancer with changes in more than 20 genes and proteins. This gives us a large panel of biomarkers which we hope will eventually replace PSA.

"The new biomarkers we are developing will enable us to not only better diagnose prostate cancer but predict how severe the disease is and guide treatment timing – a win-win for patients and the health system."

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**University of
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From the Chancellery

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INSIDE UNISA

We intended to have a quiet year in 2017; detox from all of last year's blue birthday cakes, work hard to embed what we had left to do from our [Crossing The Horizon](#) plan, and get ready for next year's major events around building launches. At least that was the plan.

What happened was that business went on as usual, only faster. When you are a young, progressive and entrepreneurial university, life just doesn't let you stop and smell the roses. Not only were we rated as being one of the [best young universities in the world](#) – number 32 according to [Times Higher Education's ranking](#) – but THE now considers us to be one of the top 10 Australian universities of any age. We're certainly the youngest on that [list](#).

There's no secret to our rise in the rankings. We are a committed, collaborative and accountable institution, creating new knowledge through our research and passing on that knowledge to our students through our innovative teaching.

We lead our peers in overall student satisfaction, with [QILT](#) (Quality Indicators for Learning and Teaching) scores better than the national and the South Australian average. We're also exceeding our targets for translating research into industry engagement and commercialisation.

But we weren't content to sit back and enjoy our success. We reached out for more. We became the first Australian university to establish a new joint college offering with a Chinese partner. Back in May we offered bachelor and master degrees in Engineering and IT through the new [XAUAT UniSA AnDe College](#) in Xi'an.

We launched [UniSA Online](#) opening the university up to students all over Australia for an online learning experience no-one else can offer. We started with 11 new career-focused degrees, each of which is designed specifically for online education with very high level student support available seven days a week for extended hours. So far the applications we've received are far better than expected.

We entered into a [new partnership with the Queen Elizabeth Hospital](#) to deliver South Australians high quality

patient-centred care informed by the latest university research, and we joined forces with the [Adelaide Crows football team](#) to drive excellence in sports science and sports business research.

We also came towards the end of our capital works program, putting the finishing touches to the [Health Innovation Building](#) and [Pridham Hall](#) and breaking ground on the [SMARTSchool](#) at Magill. The SMARTSchool, in which we have partnered with Samsung Electronics, will support advanced teacher education and research, from reception through to secondary school with a focus on STEM. It's going to be one of Australia's most technologically advanced training facilities and the focus on STEM will help the nation progress in addressing the STEM skills shortage.

So no resting on laurels just yet. We're getting back into action in early 2018 with the curriculum innovation process; a student placemaking masterplan; the [Mawson Lakes and City West solar projects](#); a teaching masterplan; engineering and technology infrastructure at Mawson Lakes; the opening of Pridham Hall, the Health Innovation Building and bringing [MOD](#) to life.

We will also release our new plan; Enterprise 25 is going to map our future for the next five years and that will involve huge changes to the way we do things.

2018 will have one guaranteed highlight – our brand new graduations ceremony to be held in Pridham Hall in April will be like nothing you've ever seen before.

Looking back at 2017 I'm reminded just how much our University's success derives from the commitment of our staff and the support of our community – we literally can't do it without you. So have a wonderful festive season and stay safe. We'll see you back here, refreshed and ready to go in January. We've a new plan to launch!

Professor David Lloyd
Vice Chancellor and President

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ACHIEVEMENTS

UniSA graduate named Young SA Planner of the Year

UniSA honours graduate Brad McCormack has been named Young SA Planner of the Year by the South Australian division of the [Planning Institute of Australia](#) (PIA SA) for 2017.

This award recognises high quality planning outcomes in the workplace, innovation within the industry and continues to support young planners.

McCormack works at the planning and engineering consultancy [InfraPlan](#) in Adelaide as a graduate planner and GIS analyst.

He says winning the 2017 SA Young Planner of the Year award was exciting and “capped off a few years of hard work on some really exciting projects”.

“I am very honoured to have been selected by the judging panel,” McCormack says.

McCormack has subsequently been nominated by PIA SA for the National Young Planner award, to be announced in Perth in mid-2018.

UniSA senior lecturer in planning Dr Andrew Allen says he’s aware of the high quality work that McCormack produces at InfraPlan, and from his time at UniSA.

“The late Dr Lou Wilson, who was Brad’s program director, spoke very highly of Brad’s capabilities and performance as a student in the degree,” Dr Allen says.

“Lou’s endorsement of Brad’s achievements, particularly his thesis, partly influenced my nomination of Brad for this award.”

McCormack has been a star performer in his field. More information about McCormack’s award and other winners can be found on the [PIA SA website](#).



Bachelor of [Urban and Regional Planning](#) graduate Brad McCormack (second from left), with Donna Ferretti (Life Fellow), Local Government Association SA president mayor Lorraine Rosenberg, and Planning Institute of Australia SA president Kym Pryde at the 2017 Awards for Planning Excellence. Photo: Festival City Photography.

Top prize for Kent at AnimeGo! Film Festival

UniSA Media Arts student Kent Man has won top prize at the [AnimeGo! Film Festival](#) in Adelaide for his short anime film, *Autumn Childhood*.

The AnimeGo! Film Festival, now in its second year, encourages social and cultural links with Japan. The volunteer-run group is a subsidiary of the [Japan Australia Friendship Association](#).

Kent's three-minute film took 21 days to create – an incredibly tight schedule.

Kent says animation is quite different to film because everything in the frame has to be constructed rather than captured.

"I am responsible for every bit of expression that the audience receives," he says. "I adapted the anime style because I believe it's the most effective for communicating my stories."

While developing his winning film, Kent says he drew on learnings from his [Media Arts](#) degree.

He says Media Arts "can teach the opening of the mind to creation of story".

"It's not enough that you know how to make a beautiful scene," he says. "You need to know why you are making it, and for what purpose."

This is the competition's first year. Kent's success has earned him a return trip to Japan. He says he hopes to familiarise himself with future workplaces and to "try authentic ramen".

You can watch Kent's winning film on [YouTube](#).

Student wins SA prize at national photographic awards

UniSA photography student Sarah Sturm has won the state prize at the [National Canon Light Photographic Awards](#) in Adelaide for her photo, *The Brides Bouquet*.

The National Canon Light Photographic Awards is a unique competition presenting entrants with real-time photography challenges that must be shot and submitted within a specific timeframe.

Sarah says her brief to Look Again led her to photographing a collection of weeds in a bouquet arrangement under a UV black light.

"Winning this award means a great deal and it has reassured me that my work is engaging and I'm able to express my ideas through my work, and for that to be noticed is pretty mesmerising," she says.

"This award has given me opportunities to go to places I would not have expected. It has reminded me how important it is to remember why we do what we love, especially in those times where you just need to go for it and don't hold yourself back."

Sarah went on to compete in the grand final – one of just four finalists from 1000 entrants from across Australia and the youngest by far. Along with the other three finalists, she was flown to a mystery location – which she discovered on the day was in Tasmania, and was given 24 hours to photograph, edit and submit an image for judging. Although she did not win, Sarah says it was a great experience and has helped her to develop and improve her confidence. Works from each of the grand finalists can be viewed on the [Canon Lights Awards website](#).

UniSA Business School receives new five star rating

UniSA's Business School has been awarded five stars by [Quacquarelli Symonds \(QS\)](#).

QS Stars Business Schools is a rating system providing an in-depth evaluation of business schools on a range of key performance indicators.

The QS Business Schools assessment process takes into account more than 20 different indicators.

AnimeGO! 2017 Film Contest

Award-winning film *Autumn Childhood* by UniSA student Kent Man.



The Brides Bouquet by Sarah Sturm.

In addition to receiving five stars overall, UniSA's Business School also received five stars for facilities; internationalisation and diversity; teaching and student quality; engagement; and for Master of Business Administration (MBA) program strength.

The news follows UniSA being awarded a five-star rating for its MBA for the tenth consecutive year by the Graduate [Management Association of Australia \(GMAA\)](#).

For more information, visit the [Business School website](#).

Graduate awarded Helpmann Academy emerging artist commission

Visual arts graduate Tom Borgas, has received the [Helpmann Academy's](#) Hilton Adelaide Emerging Artist Commission, valued at \$25,000.

Tom's commission will feature a 3D installation work, which will be displayed behind the front desk of the Hilton Adelaide, creating a welcoming atmosphere and enhancing the aesthetics of the entrance.

Borgas says he's excited to have had his work selected for display at the Hilton.

"As a digital response to the geography of South Australia, my piece will take the form of a hand built, wall mounted sculptural relief," he says.

The commission enables emerging artists to gain valuable experience in developing public art and site-specific commissions.

Borgas is currently living in Vancouver, Canada, but will return early in 2018 to begin work on his commission.

Further information about Borgas and his works can be found on his [website](#).



Tom Borgas's recent work 11 Spheres (Klein blue), 2016 Glass reinforced concrete, steel, fixings, acrylic paint, Each unit 50x50x50cm, Victoria Square (Tarntanyangga), Adelaide.

Emeritus Professor awarded State of Australian Cities Medal

Emeritus Professor Steve Hamnett has been awarded the Australian Cities Research Network (ACRN) 2017 Urban Research Medal for his distinguished service to urban scholarship and practice in Australia.

He was presented the award at the [State of Australian Cities National Conference](#) held in Adelaide from 28-30 November.

ACRN is the preeminent national body of Australian researchers concerned with Australian cities. It encourages and publishes research that ensures urban policy is as well-informed by evidence, so policymakers understand and consider the factors shaping our cities and the needs of their citizens.

Prof Hamnett says: "While I have been fortunate to receive a number of awards in the course of a lengthy career, the award of this medal and the recognition by my peers in Australian universities which it represents is particularly important to me and is something of which I am very proud."

In awarding the medal to Professor Hamnett, the ACRN stated that "Professor Hamnett has a distinguished record of urban research and scholarly service in Australia ... and has built a career marked by careful and incisive scholarship on urban and planning matters".



APPOINTMENTS

New Pro Vice Chancellor for Education, Arts and Social Sciences

Professor Joanne Cys, currently Head of UniSA's [School of Art, Architecture and Design](#), has been appointed as the next Pro Vice Chancellor of the [Division of Education, Arts and Social Sciences \(EASS\)](#).

After joining UniSA in 1997, Prof Cys has held a wide range of leadership positions. In addition to her current role as head of school, she is deputy chair of UniSA's Academic Board. Before this she was Dean: Academic in the Division of EASS (2013-2016) where she led key initiatives to improve the quality of teaching and learning, student engagement and support, and cross-disciplinary collaboration in curriculum development.



UniSA Vice Chancellor Professor David Lloyd says Prof Cys has provided tremendous support for the University in a wide range of acting roles, including as Dean of Graduate Studies and Head of the David Unaipon College of Indigenous Education and Research.

“Jo has a breadth of experience on national and international peak bodies including Design Ambassador for the Design Institute of Australia, special advisor to the SIDA (Society of Interior Designers Australia) Foundation Board, executive board member of the International Federation of Interior Architects (IFI) and Australia’s representative to the Asia Pacific Space Designers Alliance (APSDA),” Prof Lloyd says.

“I would also like to take this opportunity to once again thank Professor Denise Meredyth for her significant contributions in leading the Division for the past three years, most notably for fostering an emergent creative industries focus across EASS.”

Prof Cys will commence in the Pro Vice Chancellor role at the start of 2018.

Professor Christine Helliar appointed to accounting standards board

[Professor Christine Helliar](#) from UniSA’s Business School is the [Australian Accounting Standards Board](#) (AASB)’s new Research Director.

Prof Helliar, who works in UniSA’s School School of Commerce, will undertake the AASB role on a part-time basis.

In a statement, the AASB said having an academic professor as their research director recognises the vital contribution research plays in the development of high-quality accounting standards.

The role will facilitate greater collaboration between the AASB, academia and business,” the AASB stated.

“Prof Helliar is well-qualified to drive research relevant to standard setting, having held the role of director of research at The Institute of Chartered Accountants of Scotland (2003-2009) before taking up the position of Chair of the Trustees of the British Accounting and Finance Association (2009-2016).”

Read the full media release on the [AASB website](#).

Prof Helliar commenced in the role on 21 November.

ANNOUNCEMENTS

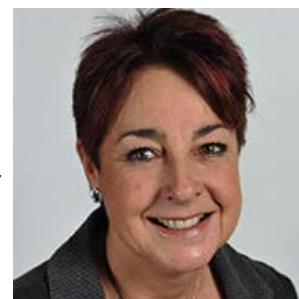
UCL Engineering makes itself at home at Mawson Lakes campus

After two years of strong partnership, the enterprising collaboration between UniSA and [University College London](#) Engineering (UCL) has been strengthened with a new home base opening at the Mawson Lakes campus for UCL engineering staff.

The new space was opened earlier this month.

The partnership between the University and UCL’s [Faculty of Engineering](#) is a successful collaboration that has underpinned and internationalised research in a range of high potential future industries.

[Future Industries Institute](#) (FII) director, Professor Emily Hilder, says co-location at the Mawson Lakes campus offers improved opportunities for



UniSA Vice Chancellor Professor David Lloyd and University College London President and Provost Professor Michael Arthur open the new space at Mawson Lakes.

research collaboration, to develop external partnerships that advance and fast-track new industries.

“We are delighted with the continued strength of this partnership and the move to have UCL staff on campus will generate a more cohesive exchange between our two institutions,” Prof Hilder says.

“This means we have a breadth of expertise at our fingertips; bolstering our mission to transform the industries of today and seed the industries of tomorrow.”

The evolving partnership will see FII and UCL Engineering deliver dual-continental postgraduate programs and support strong female researchers with the introduction of the [Santos Fellowships](#).

UniSA Vice Chancellor, Professor David Lloyd, says the partnership demonstrates UniSA's and UCL's commitment to South Australia and to the advancement of engineering excellence globally.

Research to help schools foster resilience in refugee students

Researchers in UniSA's School of Education will examine how schools create the social and educational conditions that enhance resilience in refugee children.

Awarded an [Australian Research Council](#) linkage grant of \$428,000, together with partner funding of \$180,000, researchers hope to unpack which policies and practices schools are using that nurture the best outcomes for some of the most vulnerable school students.

Lead researcher Emeritus Professor Bruce Johnson says the approach the project will take is a big departure from the usual models of research in the refugee space, which have tended to focus on individual problems and a notion of “fixing” refugee children.



“How well refugee children cope and flourish is a big issue for Australia, but also globally,” Prof Johnson says.

“Already this century has been marked by massive displacement and movements of people. Globally today there are more than 65 million people displaced from their homes and over the past five years, over 75,000 people from refugee backgrounds have settled here in Australia.

“We know that at least a third of those people are school-aged, and that as Australia commits to a higher refugee intake, schools around the country will face a bigger challenge in nurturing them.

“We also know that some schools are already doing a great job by developing inclusive approaches hallmarked by valuing students' skills and experience, developing a positive welcoming ethos and establishing school environments that feel safe and supportive.”

Prof Johnson says in recent years, negative stereotyping of refugees and the polarised views often exposed in the media and online have skewed perceptions.

“That pervasive negative narrative can act to overstate refugee students' problems and obscure the positive qualities and strengths they have, including their resilience, initiative, experience and maturity,” he says.

“What we hope to do in this research is develop a better understanding of the strengths of refugee students and the school policies and practices that foster their resilience.”

The research team includes Prof Johnson, Dr Melanie Baak, Associate Professor Anna Sullivan and Professor Roger Slee.

Partner organisations include the Department for Education and Child Development SA; Department of Education and Training Queensland; Catholic Education Office SA; Brisbane Catholic Education; and the Australian Refugee Association Inc.

It was one of 16 successful research projects announced in early December by Education Minister Simon Birmingham under the ARC Linkage Projects scheme.

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Why women's super is more likely to leave them short

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by Candy Gibson



BUSINESS AND LAW

A superannuation system designed around men continues to leave women at a huge disadvantage in retirement, according to a three-year study led by UniSA.

The Federal Government-funded study highlights the substantial financial difficulties that many women in Australia face as they prepare for life beyond work, despite significant gains in educational and career opportunities in recent decades.

The report reveals how men and women plan for retirement and the impact of gendered and ageist labour markets on their ability to build sufficient superannuation and other assets.

Justine Irving, a researcher with UniSA's [Centre for Workplace Excellence](#), says more than 2000 people aged 45 years and over were surveyed for the *Work, Care, Health and Retirement Ageing Project*.

The findings show that older women, in particular, are disadvantaged financially due to caregiving responsibilities – the onus of which falls mainly on them – and the pressures this places on their ability to work full time.

“Also, the existing superannuation system is designed around men and assumes an average of 40 years spent in continuous full-time employment to accumulate sufficient retirement funds. It doesn't take into account that many women spend long periods out of the workforce while raising children,” Irving says.

“In addition to facing sexist and ageist attitudes in the workplace, older workers' health, caregiving responsibilities and the type of work they do has a significant impact on whether they are able to retire with sufficient funds.”

Adults within the study who continued to work past traditional retirement age did so mainly for financial reasons.

Those who voluntarily retired earlier mostly cited issues with the job itself rather than the desire to stop working completely.

The ability to work flexibly emerged as a major factor in supporting ongoing work participation among older people and delayed retirement.

"Our study reinforces the pattern of lower income and superannuation balances for women," Irving says.

"Despite this, the women surveyed were slightly more likely to make additional voluntary superannuation contributions than were men."

The report makes a number of recommendations, including:

- Boosting low superannuation balances by removing the \$450 monthly threshold for contributions, implementing annual government contributions for low income earners, and applying superannuation to paid parental leave and workers compensation;
- Providing greater access to formal care services to help caregivers find a better balance of their dual responsibilities;
- Ensuring equity of training and promotion opportunities for all staff, regardless of age;
- Providing more flexible working arrangements, implementing retirement transition programs, and modifying tasks to accommodate any change in older workers' physical or mental health;
- Promoting the benefits of ongoing participation in high quality work and encouraging older adults to assume more responsibility for maintaining good cognitive and physical health.

"Addressing these challenges requires multi-level responses from government, industry, policy makers, researchers and individuals themselves," Irving says.

The report, funded by an [Australian Research Council](#) (ARC) Linkage grant and additional industry contribution ([Women in Super](#) and [Workplace Gender Equality Agency](#)), will be formally launched on Wednesday 13 December at UniSA's Centre for Workplace Excellence.

The project was led by UniSA in partnership with the Australian National University, RMIT, Workplace Gender Equality Agency and Women in Super.

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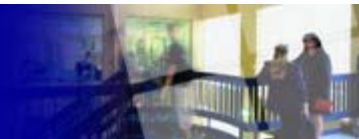
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QEH to become university hospital with more opportunities for students

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by Michèle Nardelli

The Queen Elizabeth Hospital (TQEH) to become a university hospital

Watch the announcement by Health Minister Peter Malinauskas and UniSA Vice Chancellor Professor David Lloyd.

The Queen Elizabeth Hospital (TQEH) will become a leading nursing and allied health university hospital through a new partnership between UniSA and the State Government.

A memorandum of understanding (MOU) was signed by UniSA and the Health Minister in November, paving the way for [The Queen Elizabeth Hospital](#) (TQEH) to become a university hospital with a strong focus on rehabilitation, allied health and nursing.

The agreement is expected to increase the number of opportunities for UniSA nursing and allied health students to undertake education and training at the hospital as part of a placement.

UniSA has the largest cohort of [nursing students](#) in South Australia.

A Centre of Excellence for rehabilitation services, teaching and research will be created at TQEH, with patients able to benefit from access to expert staff dedicated to best-practice health service delivery, as well as further education and research. This will include trialling and evaluating new models of care to improve patient flow and satisfaction with the delivery of health services.



Signing the MOU

TQEH clinicians will lead further research and teaching as they train the next generation of clinicians in world-class and cutting-edge clinical practice.

The MOU establishes a commitment between the Central Adelaide Local Health Network and UniSA to explore the creation of an alliance between the two organisations, which may lead to changes in service delivery models at the TQEH.

UniSA Vice Chancellor Professor David Lloyd says the partnership provides wonderful opportunities for team-based training of future healthcare professionals.



Artist's impression of TQEH.

“UniSA is the State’s largest tertiary education provider in areas such as physiotherapy, podiatry, occupational therapy, exercise physiology, medical imaging, nutrition, pharmacy and nursing and this partnership provides more opportunities to graduate health care workers that are completely conversant with the realities of professional practice,” Prof Lloyd says.

“Our research in these areas is world standard and our investment in medical and health-based research is significant.

“It also means the quality of care at the Queen Elizabeth University Hospital will be at the forefront of innovative practice, where interdisciplinary and patient-centred practice is the standard.”

The State Government also announced the first stage of a [\\$270 million redevelopment](#) at the QEH, featuring a new 500 space multi-storey car park; a new, larger emergency department; a dedicated elective surgery centre; and a new intensive care unit.



Premier Jay Weatherill, UniSA Vice Chancellor Professor David Lloyd, Health Minister Peter Malinauskas, Central Adelaide Local Health Network (CALHN) Director of Allied Health Reform Rachael Kay and CALHN CEO Jenny Richter.

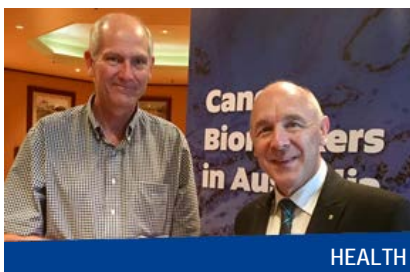
Health Minister Peter Malinauskas says the agreement with UniSA positions the hospital to lead the nation as a major rehabilitation, nursing and allied health education hospital.

“The Queen Elizabeth Hospital has a proud history of research and education, and for decades has been at the forefront of high quality clinical care,” he says.

“Through our \$270 million investment in the future of TQEH, including cardiac, a new and bigger emergency department and rehabilitation services, residents from the Western suburbs can continue to access a world-class public hospital close to their homes.”

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How to choose a wine for the festive season

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by Dr Armando Maria Corsi and Professor Larry Lockshin



BUSINESS AND LAW

UniSA News asked Dr Armando Maria Corsi and Professor Larry Lockshin from the [Business School](#) for advice on choosing a wine to bring to a Christmas party.

It's Christmas time. For many, drinks are on the menu, but when it comes to choosing the best holiday tippie, there's a common dilemma: what wine to bring to the party?

It's a question asked not only by consumers, but also retailers, with alcohol being one of the big ticket items over Christmas. And with liquor sales increasing by almost 60 per cent over the festive season.

So how do we choose the best wine? Do we select the tricked-out, tinsel-wrapped Christmas special, or a carefully considered beverage without the bells and whistles? Well, you really can go either way: minimise risk, or maximize discussion. Let's start with the first one.

Playing it safe

If you're leaning towards the safe option, then it may be best to follow the path that most wine-buyers take: decide on price range first; choose a wine that you've tried and liked before; select from well-known regions of origin; pick a well-known grape variety, and a popular brand; and finally, refine by awards or medals. After 30 years of wine marketing research, these are the tried and tested methods that the majority of us take when choosing a wine.

So if you really want to minimise the risk of screwing up (or unscrewing a



Professor Larry Lockshin and Dr Armando Maria Corsi.

bottle of wine your guests might not enjoy), the solution is snooping: the next time you catch up with friends bring up the topic of wine and take note of their answers. If you're super savvy, save this on your phone, then, when you're in the market to buy you have the information at your fingertips. Match this to a popular grape variety (shiraz and sauvignon blanc are the most popular red and white varieties, pick a well-known region, ask the store staff, or check your mobile to see if the wine has an award, and the game is done. If you've done your sleuth-work, the chance of making a mistake is pretty low. The wine will be great, your guests might say 'thanks, great wine', but beyond this, they'll move to the next topic of conversation.

Take a risk

But if you really want to get bang for your buck, there is an alternative: go nuts! It's Christmas, for goodness sake! Don't listen to your guests, don't do what others expect you to do, choose whatever takes your fancy! Let us explain...

Last week we were tasting wine with an esteemed overseas professor. We were in one of the best bars in Adelaide, with one of the top wine writers and judges in the country. Blind tasting, not just because we didn't know what wine was poured into the glasses, but because the glasses were actually black! To start with, we couldn't tell if the wine was red or white. Yet it was a very mineral wine on the nose, with notes of ripe apples, peach, and white flowers, followed by layers of complexity in the mouth, quite dense, warm and almost smoky. A very inviting wine too – sorry, too much information? That's the catch, you see: it's difficult to deny the appeal of such a description; and now you're intrigued. You want to know more.

Wouldn't it be great if this was the wine you took to this year's Christmas party? A wine that will fuel discussion and debate, creating conversation and connecting people. Such a wine lets you and your guests talk face-to-face (forgetting for a moment to check their social media feeds). And, when they do feel the need to tap into the online space, they won't just be liking others people's posts, but may be leading the commentary with your wine conversation starter.

To make this a reality, simply go to a wine store you trust, ask for something unusual, something unique, and see what happens.

Every store manager will have a secret little gem, and will love to pass on their esoteric choices. High risk, could just equal high return.

Whether you play it safe or take a risk with your wine selections this Christmas, the choice is yours. From our vantage point, we'll probably go with both, as we have our old-time favourites, but we always love to test the waters with something new.

Cheers to that (and Merry Christmas)!

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- 1 set your price range
- 2 choose previously tasted and liked wines
- 3 pick well-known regions and grape varieties
- 4 select popular brands and refine by awards and medals
- 5 pay attention to what others like



- 1 buy through trusted stores
- 2 seek out unusual choices
- 3 ask for hidden gems
- 4 look for intriguing descriptions
- 5 be brave and take risks

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University of
South Australia

Research hub thinks big on nanotech diagnostics

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SCIENCE AND TECHNOLOGY

Director of UniSA's Future Industries Institute (left) Professor Emily Hilder at the research hub launch in Sydney with UTS Vice-Chancellor Professor Attila Brungs, Assistant Minister for Industry, Innovation and Science Craig Laundy, Australian Research Council chief executive officer Professor Sue Thomas, Alcolizer general manager Roger Hunt, Minomic chief executive Dr Brad Walsh and research hub director Professor Dayong Jin.

Portable, easy-to-use devices capable of detecting disease or testing for drugs are the focus of a new multimillion-dollar research collaboration.

A new research hub aims to advance industry's ability to develop portable, user-friendly analytical devices by creating technologies that are faster, more sensitive and selective, and more cost-effective to detect biological and chemical molecules at low levels.

The [Integrated Device for End-User Analysis at Low Levels research hub](#) (IDEAL) includes expert researchers in analytical chemistry, biosciences, nanoscience, laser physics and photonics. Its researchers will be dedicated to developing easy-to-use 'next generation' point-of-care diagnostic and detection devices to help solve problems in public health, agribusiness, manufacturing and environmental management.

Director of UniSA's [Future Industries Institute](#), and deputy director of the new research hub, Professor Emily Hilder, says IDEAL has the potential to deliver world-beating technologies for a global market.

"What is fantastic about this new research hub is that it is harnessing the skills of some of the very best researchers in Australia, across a range of disciplines in science and engineering to deliver advanced diagnostic solutions for a wide range of uses," Prof Hilder says.

"It proves the value of national partnerships between universities, industry and end-users in delivering new technologies and new business opportunities that Australia can take to the world."

The hub is a collaboration between UniSA, the University of Technology Sydney (UTS) and four industry partners, supported by \$3.7m funding over five years from the [Australian Research Council](#).

UTS physicist and director of IDEAL, Professor Dayong Jin, says he is looking forward to the hub becoming a

leader in transforming scientific research into industry-inspired technology developments that will benefit people everywhere.

“Already we have developed the technology to find a single cell and trace amount of a disease marker in a sample of blood or in a urine specimen,” Prof Jin says.

“Our innovative team of researchers, experts in physics, engineering and biology, are working on the next steps – tailoring our platform technologies, integrating them and aligning them with our industry partners’ needs.

“If an over-the-counter testing kit can confirm pregnancy in a matter of moments, why not do the same with cancer, or with performance-enhancing drugs, or a toxin like botulism? That’s our goal – to create the next generation of medical tests that are simple and easy to use.”

IDEAL industry partner Dr Brad Walsh, who is chief executive of immuno-oncology company [Minomic](#), said his company’s involvement with the IDEAL research hub is an example of the powerful impact that can be achieved when industry and science join forces.

Minomic’s MiCheck device to screen for prostate cancer, which is undergoing clinical trials, will be further enhanced for sensitivity, selectivity and speed through a long-standing collaboration involving Dr Walsh, Professor Jin and UniSA Vice Chancellor: Research Professor Tanya Monro.

In 2015, the team won a Eureka Prize for their work creating nanocrystals to illuminate hidden diseased cells.

Current partnered projects at IDEAL include:

- [Alcolizer](#) – the development of a fast and inexpensive test that can detect illicit drugs in the bloodstream at a minuscule level
- [Minomic](#) – the development of a non-invasive and accurate microfluidics tool to detect prostate cancer, addressing the problem of false positives that occur with existing testing
- [PregTech](#) – the development of a biosensor to detect ovulation in dairy cows.

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UniSA's brightest minds awarded \$10.7m for medical research

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by Candy Gibson



HEALTH

Cancer researchers have won the lion's share of \$10.7m awarded to UniSA for health and medical research.

In the latest round of project funding from the [National Health and Medical Research Council](#) (NHMRC), awarded in early December, UniSA received 15 grants. Ten of these were for research into leukaemia, lymphoedema and breast cancers.

[Associate Professor Natasha Harvey](#) received the biggest windfall, securing \$2.37m for three separate projects to investigate lymphatic disorders.

Her colleagues in UniSA and SA Health's [Centre for Cancer Biology](#) (CCB), [Associate Professor Simon Conn](#) and [Dr Loretta Dorstyn](#), will use their respective \$748,094 and \$871,162 project grants to target molecules which drive cancer mutations, as well as investigating the role that specific proteins play in suppressing tumours.

Three other CCB researchers, [Professor Richard D'Andrea](#), [Professor Stuart Pitson](#) and [Professor Hamish Scott](#), collectively won \$2.3 million to further their research into myeloid leukaemia, a type of cancer which affects the blood and bone marrow.

[Associate Professor Michael Samuel](#) will use his \$636,776 grant to explore how to halt the spread of cancer from one part of the body to another (metastasis) and [Associate Professor Yeessim Khew-Goodall](#) has won \$526,978 to look at cell



[Associate Professor Natasha Harvey](#)

signalling and how it drives cancer.

The remainder of the NHMRC funding will go towards:

- an \$880,685 study which tracks the diet and fitness of children in and out of school ([Professor Timothy Olds](#));
- two research projects by neuroscientist [Dr Quenten Schwarz](#) into congenital cardiac malformations (\$553,848) and the treatment of children born with small jaws (\$573,848);
- exploring how to make antibiotic drugs more effective ([Dr Rietie Venter](#) \$487,351); and
- a \$765,349 research project by [Professor Stephen Graves](#) to help reduce complications after hip, knee and shoulder surgery.



[Associate Professor Michael Samuel](#).

The latest round of NHMRC grants brings the University's total medical and health research funding from the Federal Government body for 2018 to almost \$16m.

UniSA Deputy Vice Chancellor: Research [Professor Tanya Monroe](#) says that in the past two years the University's annual NHMRC funding has increased by \$6m across project, fellowship and development grants, representing a 61 per cent increase since 2016.

"This is an exceptional result and reflects the world-class research being undertaken at UniSA and also the rise in our rankings to sit within the top 10 universities in the country," Prof Monroe says.

For full results of the NHMRC funding announcement, visit the [NHMRC website](#).

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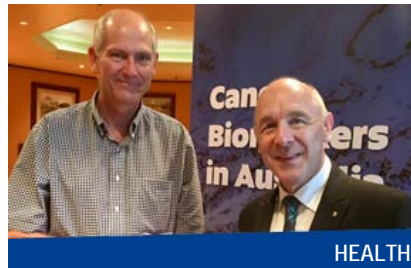
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Scholarship winner to call Ho Chi Minh home

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by Michèle Nardelli



COMMUNITY

New Colombo Plan scholar, UniSA student Bianca Hoffrichter.

Next year promises great things for UniSA Bachelor of Visual Art (photography specialisation) student Bianca Hoffrichter and most of that promise will be about travel and learning.

Winner of a [New Colombo Plan Fellowship](#) (as the highest ranking scholar to travel to Vietnam), she will be packing up her cameras and heading to [RMIT University](#) in Ho Chi Minh City, where she hopes to hone her technical skills in digital photography and computer processing, at the same time as gaining invaluable cross-cultural experiences'.

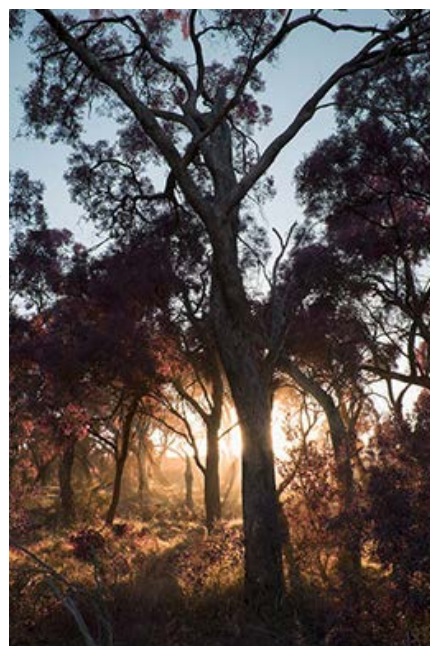
No stranger to Vietnam, she says it is one of the most vibrant, energetic places she has ever been.

"Four years ago I was in Vietnam for a month with [World Vision](#) working at a children's home in Hoi An," Bianca says.

"Our group also went from Hanoi, to trek the mountains of Sapa where we stayed with local families and then finished our trip in Ho Chi Minh City.

"This was one of the most unforgettable experiences for me and the reason I am so passionate about the Vietnamese people and culture and now really excited to be going back there."

Bianca says she is strongly drawn to the Indo-Pacific region because of its particular arts traditions.



“In Australia, somewhat understandably, our studies are focused on Western traditions and also contemporary work,” she says.

Bianca Hoffrichter, Amaranthine 2017

“As someone who is quite influenced by Eastern practices and materials, it is harder for me to find more information, or teachers who teach with the materials I want to use.”

Also a water-colourist, Bianca says the medium is not a core focus of painting education.

“I am quite self-motivated and self-taught in many of my mediums but I believe it is important to learn through artisans and artists that have formal training in their traditional mediums.

“In Japan I practised traditional Sumi-e ink painting and calligraphy at our local homestay, and it was wonderful to get that hands-on learning.

“Now I’m really looking forward to learning some of the traditional mediums of Vietnamese art and experiencing their unique contemporary spaces.”

The NCP Fellowship will also allow her to complete an artist residency near Hanoi.

“During these couple of months I hope to delve deeply into my own practice, and learn as many traditional techniques as I can from local artists,” Bianca says.

“Hopefully that will mean working alongside local artisans and engaging in exhibitions and being able to bring some of that special knowledge back to the Australian arts community.”

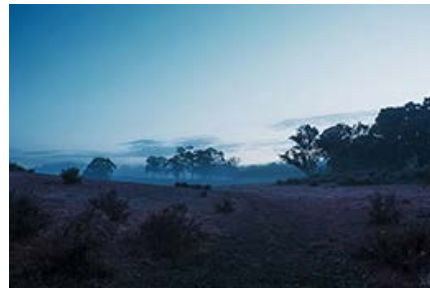
And in a reciprocal learning arrangement during the Fellowship, she will also run workshops and discussions around her own techniques, which include crossing photography and painting mediums, and working with installations. She also plans to engage with some not-for-profit arts organisations while she is in Vietnam.

Long-term, Bianca plans to build an academic and exhibition based career in art but there are still some steps along the way.

“I am hoping to continue my studies into an honours degree, and I want to do that in Tasmania, and then onto a PhD,” she says.

A passionate advocate for the arts, Bianca is an active member of South Australia's local arts community, and a founding member of a local publishing company as well as an illustrator. She volunteers with [SASA gallery](#) and is involved in [artist run initiatives](#).

“I think there are so many wonderful organisations connecting and supporting local artists in places like Vietnam and Japan; I believe there is much we can learn and apply in Australia to help support and strengthen our own arts industry to create sustainable economies that enable our local artists to thrive.”



Bianca Hoffrichter, Orphic 2017



New Colombo Plan 2018 scholars, from 33 universities across Australia, at the announcement in late November.

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Why musicians need to learn to play business

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by Dan Lander



BUSINESS AND LAW

Betty Kontoleon is a solicitor and lecturer with UniSA's School of Law, and also sings for the band *Dirt Playground*. Photo: David Solm

The music industry can be unforgiving, with artists finding they often need to be as fluent in matters of business and law, as they are in their music. Most prioritise their art, but greater awareness of the legalities can mean the difference between success and frustration, or worse, regret.

While Beethoven often spoke of a 'gracious muse' he never took inspiration for granted, famously rewriting compositions over and over until they seemed natural, almost inevitable. For the maestro, music wasn't just a passion, it was a profession—or as Nick Cave reprised it many years later, "I get up each morning, put on a suit and go to work."

Business and art may, on occasion, make uncomfortable bedfellows, but almost every successful musician has had to augment creativity with toil and grind. Given today's music trade is more unforgiving than ever, capitalising on that hard work is paramount, and a savvy artist needs to know how to make the most of their rights, and the industry's responsibilities.

Value yourself and your art

Betty (Paraskevi) Kontoleon is a solicitor and lecturer with UniSA's School of Law, and co-author of the new book, [Music And The Law](#). She also sings for the band [Dirt Playground](#), sings Greek as a freelance artist all over Australia and, despite her legal background, admits to being as guilty as anyone in neglecting the business side of her music.

"Even I fell into the trap of thinking, 'Oh well, they're going to give us a jug of beer, let's play'," she says. "But music makes such a huge contribution to society and too often the people who make music don't get anything back for that."

The problem for many musicians is that excitement over an opportunity to share their art often leads them to devalue their work, and while a bit of ‘doing it for the love’ is okay, musicians have as much right to fair pay as anyone.

The Live Performance Award sets the minimum wage for musicians at \$38.65 an hour, but most artists are engaged under common law contracts—often verbal—that operate outside the Award. Nonetheless, the law requires these contracts to be fair, and the Award should serve as a guide for all negotiations.

Protect what you produce

As soon as you write a song, you own the copyright to it; you don’t need to register or apply. But you do need to be able to prove it’s your original work if you intend to use it in any meaningful way.

“From a legal perspective, the way to best protect any rights you might have in relation to a song or a sound recording is to make it publicly available.”

In the digital age, this can be as simple as uploading a file to a site like [SoundCloud](#). Be aware, however, that performing the song live doesn’t count—it must be stored in some manner, usually as a recording, or possibly as written notation.

Artists should also register with the [Australasian Performing Right Association and Australasian Mechanical Copyright Owners Society Ltd \(APRA AMCOS\)](#), as well as the [Phonographic Performance Company of Australia Ltd \(PPCA\)](#). Both organisations collect and distribute royalties to musicians, with APRA AMCOS operating industry wide, and PPCA dealing specifically with revenue from businesses licenced to broadcast recorded music.

Importantly, APRA AMCOS also work to protect your copyrighted material from unauthorised use and plagiarism by other artists. “Being with these organisations is all about controlling your own music,” says Kontoleon. “It means if somebody picks up your song, makes their own version and starts performing it, you know it’s happening and your rights are protected.”

A resourceful musician can manage most of their business themselves. From recording, to marketing, to merchandise, it makes sense—and dollars—to control as much as practical.

If in doubt, ask

Having said that, the guiding philosophy should always be: when in doubt, get advice.

“In an ideal world where musicians have money, they go to lawyers,” Kontoleon says. “Unfortunately, that’s not always realistic, but there are other places you can go for help.”

Read the full story in the latest edition of [unisabusiness](#) magazine.



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Going virtual – UniSA app to equip next gen journalists

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by Georgia Minarelli



HUMANITIES

Journalism has emerged as one of the 21st century's most rapidly 'disrupted' industries as the rise of social media has undermined traditional journalism. So how do you teach journalism in this new context so that it is meaningful and relevant to new generations of journalists?

UniSA is pioneering a new virtual reality journalism app that delivers a learning environment where students can develop both their digital production and technological understanding of new media environments, while also honing their traditional journalism skills.

With the only dedicated journalism program in the State, UniSA recognises there is huge need for students to learn about new ways of capturing and reporting news in a digitally enriched environment.

The new app, named *Immerse*, developed in a collaboration between UniSA's [School of Communication, International Studies and Languages](#), and its [School of Information Technology and Mathematical Sciences](#), allows journalism students to create and distribute virtual reality (VR) news stories.

The pilot study involved 10 Bachelor of Journalism and Media/Arts students in their final-year project or internship course, producing VR stories to demonstrate their grasp of the new emerging technologies.

Project leader and lecturer in journalism, Dr Ben Stubbs, says the app will ensure UniSA journalism graduates are better equipped to succeed in a changing journalism environment.

"Students who completed this course positively met the related challenges of learning how to use an emerging technology, while developing



Dr Ben Stubbs with students Dan, Jordy and Nadia.

meaningful social stories,” Dr Stubbs says.

“At the same time as learning how to use a new and changing technology, students had to work out how to visually and aurally tell their stories.

“Students shot material on new 360 degree video cameras within *Immerse* allowing them to construct the VR experience using hotspots and story interactivity, a little like a ‘choose your own adventure’ story.”

The project is unique because the newly developed app allows students to create their stories without needing complex coding knowledge.

With a wave of new VR hardware and software predicted to be available by 2020, the emergence of VR as an affordable, accessible and popular form of storytelling is something Dr Stubbs says all journalists will need to understand and be able to use.

“After the success of this pilot program, UniSA will now offer the stand alone course – Virtual Reality Storytelling – in 2018 as a component of the journalism degree structure,” he says.

The technology designers also hope to adapt the *Immerse* app so that it can be used in other courses such as visual arts, design and health sciences, where a VR narrative could be applied.

A powerful example of VR journalism was produced by the United Nations and filmmaker Chris Milk in 2015. The short video, [Clouds over Sidra](#), allows viewers to experience the daily life inside a Syrian refugee camp.

Students in the UniSA pilot program produced stories about South Australia’s homeless, an animal welfare shelter and the same-sex marriage debate, among others. View an example below.

Jungle VR Documentary V1

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New Books

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[The Financial Consequences of Behavioural Biases](#)

[Mothering Babies in Domestic Violence: Beyond Attachment Theory](#)

The prevalence of [domestic violence in Australia](#) is a harsh reality, with one in three women experiencing physical and/or sexual violence inflicted by someone they know. Impacting one in four children in Australia, domestic violence has profound and long-term consequences for women's and children's health and wellbeing, as well as for families, communities, and society as a whole.

In *Mothering Babies in Domestic Violence*, UniSA author Dr Fiona Buchanan explores the impact of domestic violence on mother-baby relationships, analysing real-life experiences to provide new multi-disciplinary approaches to helping women, children or anyone raised in a setting of domestic violence.

Drawing on in-depth interviews and group discussions, she challenges dominant attachment theory paradigms that claim mothers in domestic violence are unable to form secure relationships with their babies, and instead proposes an in-depth understanding of how primary relationships between women and infants are formed in these situations.

"Traditional theory suggests that those born into an environment of domestic violence may be psychologically damaged because they were literally afraid of the fear their mothers feel," Dr Buchanan says.

"But this doesn't fit with my experience of working with women who love, care for and try to shield their babies from any harm, while enduring domestic violence.

"In my book I explore the experiences of women who were actually there, looking at the relationships of these women with their babies and how they sought to protect their babies in circumstances where their growing relationship was targeted for abuse."

Dr Buchanan identifies a way forward for working with women, babies and people who have grown up with domestic violence, focusing on strengths not deficits. In doing so, she raises new possibilities for work with women and babies in other situations where trauma impacts on their relationships.

"Women who have experienced domestic violence provide us with an insider view of relationships with their babies. We can build theory from this rather than applying an outsider, expert view," Dr Buchanan says.

"When faced with sustained hostility from their partners, women often respond with protectiveness of their babies, in ways not recognised by attachment theorists."

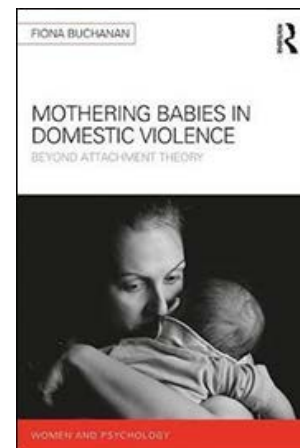
Mothering Babies in Domestic Violence reflects the current policy and practice focus on early intervention and prevention, but its unique analysis of real-life experiences provides new insights for multi-disciplinary approaches to helping women, children, and anyone raised in a setting of domestic violence.

This is an ideal resource for researchers, policy makers and practitioners, as well as women and people who grew up with domestic violence.

The book is available [online](#).

[The Financial Consequences of Behavioural Biases](#)

This year marks a decade since the global financial crisis (GFC), and with the effects of the GFC still felt across the world, it's not surprising that the disastrous economic



event forced a rethink of the principles of neoclassical finance.

In a newly published book, *The Financial Consequences of Behavioural Biases*, authors Professor Imad Moosa and Associate Professor Vikash Ramiah provide a comprehensive analysis of behavioural biases and their implications for financial decision making.

“Financial deregulation was a prime cause of the GFC, starting when the housing market bubble burst,” Assoc Prof Ramiah says.

“Behavioural biases cause bubbles when herd behaviour leads investors to keep on buying stocks even though they are fundamentally overvalued. This is what happened in the GFC.”

The authors discuss the rise of the alternative paradigm of behavioural finance and its extensions, with a particular focus on how behavioural biases can lead to conspiracy theory.

“Conspiracy theory can arise from a number of biases that characterise the way we process information,” Assoc Prof Ramiah says.

“During the GFC, a number of conspiracy theories turned out to be conspiracy facts. For example, Goldman Sachs made huge profit by advising their customers to buy certain assets while taking a short position on the same assets, knowing that those products were going to collapse.”

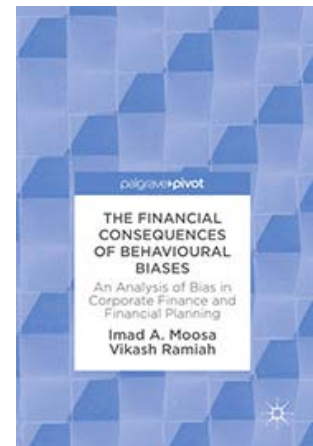
Arguing strongly for the superiority of behavioural finance to explain observed phenomena in financial markets, the authors also present a comprehensive discussion of narcissism and how this also contributed to the global financial crisis.

The offshoots of behavioural finance are discussed in detail, including ecological finance, environmental finance, social finance, experimental finance, neurofinance, and emotional finance.

The book is available [online](#).

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Highlights from the Media Centre

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A global breakthrough in genetic mapping; calls for further education in languages; and school holiday ideas for the kids, here are some of the top news stories from UniSA's [Media Centre](#):

[Genetic technology is 'changing the way we do medicine'](#)

Nine-year-old Angus has a rare bone marrow disease which was finally diagnosed after years of failed tests. The breakthrough was thanks to state-of-the-art genetic DNA sequencing technology being employed by UniSA and SA Pathology Professor Hamish Scott and his team at the Centre for Cancer Biology.



The condition, Diamond-Blackfan Anemia (DBA), prevents bone marrow from producing enough red blood cells to move oxygen around the body, necessitating more than 100 blood transfusions in his short life.

The world's leading diagnostic laboratory in the US could find no definitive cause for Angus' condition, but subsequent analysis by Prof Scott's team pinpointed the genetic mutation.

[Australia needs to fire up its national languages policy](#)

Australian applied linguistics and language educators are calling for a stronger focus on language education to meet the 21st century of challenges of globalisation and massive population movement.

Researchers are looking for stronger policy support for language education in schools while celebrating the 30th anniversary of the adoption of the National Policy on Languages (NPL) in Australia.



With the aim of a more language-aware and capable society, Australia adopted the NPL written by Professor Joseph Lo Bianco in 1987, creating genuine engagement with Australia's cultural diversity.

[Quirky things to do with your kids in the school holidays – 1. Be part of a science experiment!](#)

With school holidays just around the corner, parents may be searching for interesting, educational activities their children can take part in, rather than being bored and restless at home.

UniSA neuroscience researchers are launching a study that will investigate the connection between home environment, brain activity and thinking and learning outcomes in children aged 6 – 10 years.

Kids who take part in the study will get to see science in action, 'listen' to their brainwaves, and do some fun and challenging thinking and learning activities.



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University staff service awards

In recognition of the commitment, achievements and efforts of staff, UniSA celebrated the milestones of 25 and 40 years of service with the University and its antecedent institutions at the biennial staff service awards. Current staff who have been employed by the University and its antecedent institutions for 25 or 40 years were acknowledged at a celebratory event in November.



UniSA Executive Director: People, Talent and Culture Jane Booth addresses staff who've served 25 and 40 years.



Vice Chancellor and President, Professor David Lloyd with (L) Vincenza Abbott and (R) Neil Low.



Professor David Lloyd with (L) Darren Fong and (R) Jennifer McKay.



Professor David Lloyd with (L) Julie Symons and (R) Jeanette Lunnie.



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