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lumen

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Autumn 2017

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From the Vice-Chancellor Facing the winds of change

As Vice-Chancellor Professor Warren Bebbington concludes his five-year term, he reflects on what lies ahead for the University of Adelaide.

Of my 40 years in universities, I cannot think of a moment that ever presented as many challenges and opportunities as the present one. The next few years will sorely test the resilience of the University's mission and values as it faces new circumstances on every front.

Change will be far-reaching. Across Australia, students will increasingly travel interstate to a university of their choice rather than defaulting to their local campus. Indeed, already major eastern state universities are intensively recruiting students in our Adelaide schools.

Students from China and India seeking to study abroad will increasingly outnumber the flow we have had for 40 years from South East Asia, but the strong position Australia has enjoyed as a destination for them will be increasingly challenged by energetic recruitment campaigns by first-class universities in Europe and Asia.

Meanwhile, untold numbers around the world will seek access to university education, not by travelling abroad, but by enrolling from their own countries, free and online, through the Massive Open Online Courses (MOOCs).

At the same time, our governments will increasingly look to universities for innovation and ideas that will grow national economic prosperity in the post-mining boom era, as well as for great numbers of the digitally-savvy graduates they see in ever greater demand in the workforce.

To confront all this will be the great challenge ahead for the University of Adelaide. But we need not lose heart, for we are well prepared: with our international ranking position now in

the top 150 universities of the world in all three of the major ranking tables, we have never been so attractive to international students.

Through 'small group discovery', greatly enhanced by online learning resources, we now offer a unique learning proposition, distinct from many others and a far cry from the massed, impersonal lecture experience common on many larger Australian campuses.

To ensure our uniqueness becomes known, we are ramping up our recruitment activities. We are piloting our first interstate recruitment campaign this year, and also launching a new international recruitment roadshow, our first to the leading schools in India.

In the MOOCs, through the leading global provider edX, we've now had over 400,000 enrolments from over 200 countries registered for online units with us – and I confidently predict we will reach one million students through MOOCs by the end of 2018. We are becoming a major player in this emerging global phenomenon of digital learning.

Increasingly too, we are offering state-of-the-art facilities to our students. Our new Health and Medical Sciences building, opened near the new Royal Adelaide Hospital a few weeks ago, is the largest building we have ever built. It incorporates our Medical and Nursing Schools and the new Adelaide Dental Hospital and is the latest example of our physical transformation. And over the next few years, once stage one of our new 20-year masterplan is commenced, we will offer new buildings for Law, Business, Economics, Arts and Music, as well as enhancements at Waite and Roseworthy.

Addressing the National Innovation and Science Agenda head on, a new innovation hub, ThincLab Adelaide, will be opened mid-year, bringing researchers, business and financiers together in partnerships to translate our discoveries to the world. This will later develop into a new 8000 square-metre building at the old Royal Adelaide Hospital site. And our new commercialisation arm, Adelaide Enterprise, is also driving licensing and start-ups rapidly ahead.

But how do we ensure that each change will strengthen the University? In our age of globalisation and rapid change, it has not been universities attempting to adapt to fashion and fad that have flourished. It has been those universities of strong identity, who are clear about their mission and values, and have projected a strong sense of geographical and cultural place.

In the *Beacon of Enlightenment* strategic plan, we have articulated the historic roots, mission and values of the University of Adelaide more strongly than ever before. It is a great basis against which to test whether changes we propose to make align with what the University stands for. I wish the University wisdom as it faces the future.



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Front cover image:



Professor Noel Lindsay readies to help entrepreneurs through new innovation hub.
Photo by Russell Millard

WARNING: Aboriginal and Torres Strait Islander readers are warned that this publication may contain images of deceased persons.

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Welcome to our Autumn edition of *Lumen*

In this edition we say farewell to Professor Warren Bebbington, who has retired after five years as our Vice-Chancellor and President. On behalf of the University community, I would like to thank him for his outstanding leadership and vision, and wish him all the best for the next chapter.

I would also like to extend my appreciation and best wishes to the outgoing members of the University's Alumni Council – to Dr Tim Cooper AM, in particular, who has served as the Council's inaugural Chair since its inception in 2014 and to our other members, Mr Jim Whalley, Mr David Wong, Mr John Hancock and Ms Louisa Rose, who recently completed their term of service. My congratulations go to Dr Chelsea Liu and Mr Dale Manson who have been successfully re-elected by the Faculty of the Professions, and the Waite and Roseworthy Alumni (respectively) for another term and to Mr Jarrad Taylor on his first time election as alumni representative for the Faculty of Sciences.

In this bumper edition of *Lumen* we give you a look inside our new \$246 million Adelaide Health and Medical Sciences

building – the biggest capital works project in the University's history, bringing our students and researchers into the heart of South Australia's Biomedical precinct in the West End.

We also have features on some of our key strategic initiatives: defence, food innovation and entrepreneurship.

You will meet Professor Michael Webb, our Director of Defence and Security, who is bringing together our world class researchers' work in partnership with defence and industry to develop innovative technologies to help give our Australian Defence Force a real edge.

You will also meet Professor Andy Lowe, who has a similar role in the Food Innovation area, bringing together hundreds of researchers across the faculties to help make our food and wine industries more innovative and competitive.

And on our cover, you've seen Professor Noel Lindsay, who's heading up our new ThinLab Adelaide Innovation Hub. This new initiative on our North Terrace campus will foster partnerships and innovation, to help nurture start-ups and take ideas to commercialisation.

You can also read about some of our most entrepreneurial alumni, Drs Don and Michelle Perugini, who are using their passion and expertise to help start-ups.

Above: Professor Mike Brooks
Photo by Andy Steven

Taking an innovative approach to food

The University of Adelaide has appointed Professor Andy Lowe as its first Director of Food Innovation. So what is food innovation and why is it in focus?

South Australia is world renowned for its food and wine. Our state produces 80 per cent of Australia's premium wine exports and 50 per cent of the nation's total wine production. Just as impressive, our food and agricultural products are of the highest quality in terms of safety, aesthetics and nutritional value.

It's an enviable position that is worth investing in, given the importance of the sector to the South Australian economy.

"When we think about food and its production and where we can innovate, some obvious areas such as farming, food processing and transportation come to mind, but innovation in food covers a lot more activities than you may think," says Andy.

"We have researchers across our five faculties working in food innovation.

"We have scientists working in crop and animal production, including new kinds of healthy grains and pulses and new breeds of livestock. We have economists performing economic and supply chain analysis; engineers focusing on processing and production improvements; health scientists working on improved nutrition; and, in arts and social sciences researchers looking at food appreciation, food labelling and the perception of genetically modified foods.

"A quick stocktake of expertise across the University shows we have over 260 academics involved – we really have the predominant expertise in South Australia."

Food innovation is not new to the University. The Waite campus, which was established following a generous bequest of land by pastoralist Peter Waite in 1913, is recognised internationally for its strengths in plant science and breeding, landscape and soil science, wine and viticulture, and food research.

"At Waite, and in consultation with industry, we have produced over half the commercially grown grain varieties in Australia, including varieties with improved baking characteristics for bread, and wheat varieties for improved pasta," explains Andy.



Why food innovation is worth the investment

- 
SA's food and wine industry generates over \$18 billion in revenue a year
- 
1 in 5 working South Australians and 20 per cent of the State's top 100 companies are involved in the food production or finishing sectors
- 
As the global population heads towards 9 billion by 2050, food demand will increase by 60-70 per cent

The University's FOODplus Research Centre, based at Waite and in partnership with the Faculties of Sciences and Health and Medical Sciences and the South Australian Health and Medical Research Institute (SAHMRI), is linking health researchers with plant and animal scientists, growers and producers to develop food that can deliver real health benefits, such as increasing omega 3 in eggs.

"Researchers from FOODplus, Waite, the Robinson Research Institute and the Centre for Global Food and Resources have established a partnership with Shanghai Jiao Tong University and China Agricultural University in China through the Australia-China Joint Research Centre of Grains for Health, to develop healthy grains to reduce the risk of diabetes and other non-communicable diseases," says Andy.

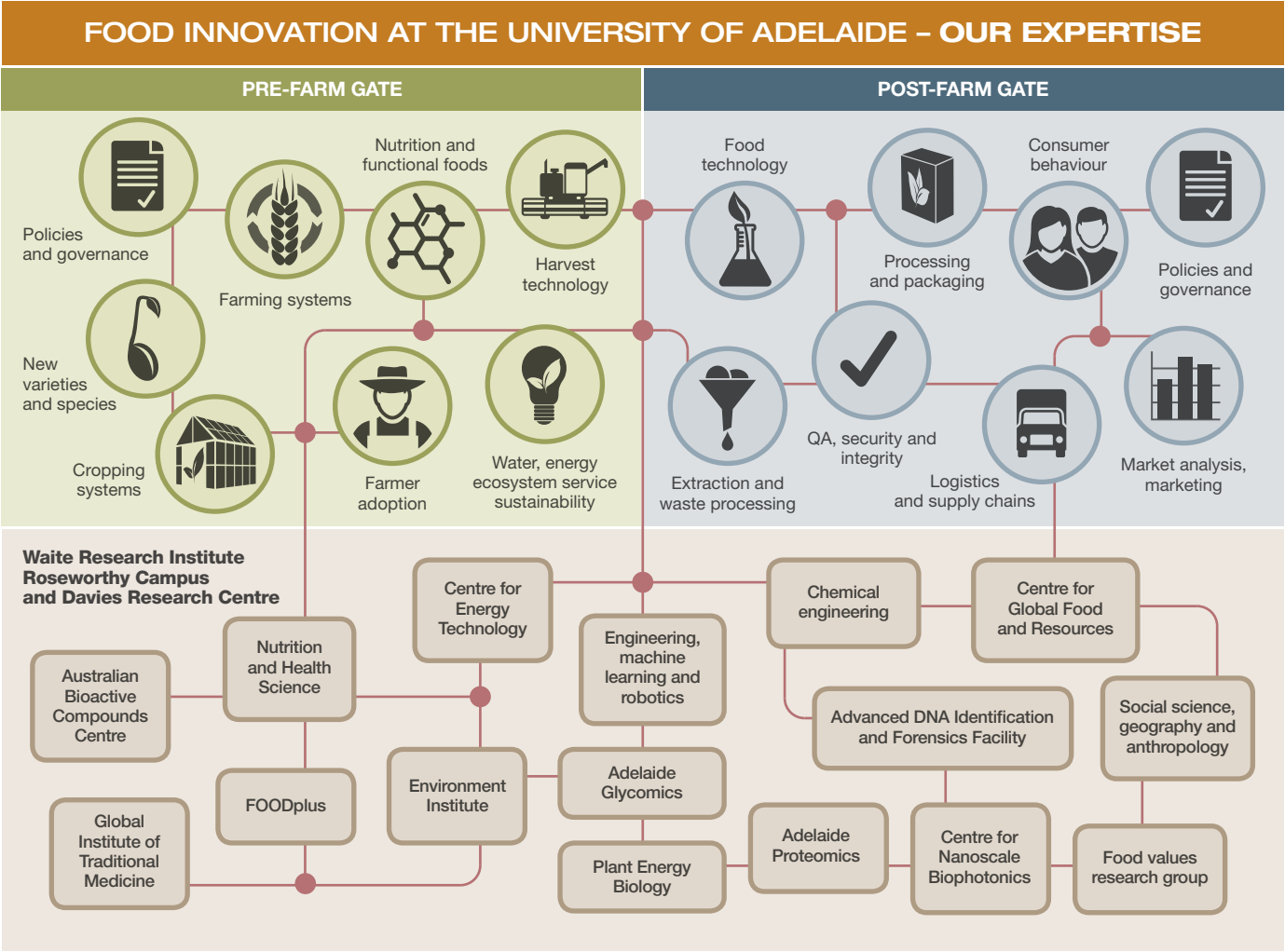
The University has also added additional areas of expertise, including responding to the demand for healthier food options locally, nationally and overseas. Researchers at the Centre for Global

Food and Resources are working closely with industry, scientists and governments in over 12 countries on research which addresses economic, policy, agribusiness and social issues affecting global food systems.

The Roseworthy campus is another jewel in South Australia's food and agricultural crown. With a history dating back to 1883, the campus is renowned for excellence in dryland agriculture, natural resource management and animal health and production.

The campus includes partnerships with TAFE, Primary Industries and Regions South Australia (PIRSA) and the South Australian Research and Development Institute (SARDI). In addition, it is home to the State Government's Constellation in Animal Science – a 10-year vision for science, technology and innovation in South Australia – and several Cooperative Research Centres. ►

Left Andy Lowe, above Andy pictured with some of the South Australian brands we partner with
Photo by Russell Millard



The Roseworthy campus also houses the Davies Research Centre, which is actively working to reduce environmental footprints, improve cattle genetics, welfare and meat quality. The centre is leading several international research and development programs in ruminant science, notably in the United States, Brazil, the United Kingdom, Italy, China and Indonesia.

"Roseworthy campus is a leader in breeding programs for cattle, pigs and sheep," says Andy.

Undoubtedly innovative food research like this is delivering great benefit to the food industry.

"The University is working closely with government and key food industry groups to bridge the gap between new innovation, which is being generated in this state by the research organisations, and the ability of food producers to be able to take it up," says Andy.

In his new role, Andy will build relationships with external industry

partners and connect researchers with partners who can benefit from their expertise.

"With a well-coordinated approach, we can ensure that our innovative research is linked up with industry partners who can help realise benefits, which will ultimately lead to growth and innovation, supporting new jobs in the state's food sector.

Andy Lowe has been at the University of Adelaide for 11 years, most recently as Director of the Australian Centre for Evolutionary Biology and Biodiversity. He comes from an environmental science and sustainability background, and has experience in crop genetics.

He has held a number of roles in his career, including Head of Science for South Australia's Department for Environment and Acting Director of the South Australian Museum, and has led a number of national and regional research programs, including Associate Science Director of the Terrestrial Ecosystem Research Network (TERN).

Andy has collaborated with over 300 researchers from nearly 100 institutes and 30 countries, leveraged over \$100 million in funding over the past 10 years and has extensive experience in commercialising research.

Research partners include:	
International companies	Local icons
> Bayer	> Haighs
> Pfizer	> Yalumba
> Nestle	> Australian Southern Bluefin Tuna Industry Association
> Mondelez International	> Beerenburg
> Unilever	> Ashton Valley Fresh
> Pepsico	> Bickford's
> Cargill	> Beston Global Food Company
> Carlsberg	> Fleurieu Milk Company
Finance and sales	> SunPork Fresh Foods
> Duxton Asset Management	> Sundrop Farms
> Piper Alderman	> San Remo
> Woolworths	> Thomas Foods
> Elders	> Feast! Fine Foods
> Coles	> Spring Gully
> Rabobank	> Coopers Brewery
> Westpac	> Almondco
	> Allied Mills



CHILDREN'S UNIVERSITY fast facts...

95 Australian schools participate

6507 South Australian schools participate

9000 children are enrolled

1875 children have attended a graduation ceremony at Bonython Hall

Children's University students at Bonython Hall for graduation
Photo by Scott Goh

Inspiring the next generation

Since 2013, the University of Adelaide has run Children's University Australia to encourage the curiosity of schoolchildren through access to different educational activities. A key aim is to demonstrate that learning can and should extend beyond the classroom.

Based on the United Kingdom model, Children's University Australia offers educational experiences for children aged 7–14 years and volunteering opportunities for 15–18-year-olds outside of school. The program recognises their achievements by awarding certificates and through a formal graduation ceremony at Bonython Hall

Kiri Hagenus, Director of Children's University Adelaide and Children's University Australia, says that many children come from families who have never attended tertiary education, so this is their first contact with a university.

"We aim to help students, and their parents, realise that university study is possible, practical and achievable, and raise their interest in higher education," she says.

The program leverages local activity providers, such as school and sporting clubs, museums and galleries, to deliver educational activities which place emphasis on experience as a learning tool.

"Children are encouraged to take on as many varied experiences as they can, to try new things and discover new interests and passions," says Kiri.

"For many young people the opportunity to be a part of a club outside of school or to visit a museum, art gallery, library or zoo can make a powerful difference to how they understand, interpret and interact with the world around them."

The program also opens children's minds to different activities and how they can be linked with areas of study and eventual career paths.

"We make sure that a link is established between the experience and an area of study at university," says Kiri. "For example, a visit to a football club could be linked to courses in sports engineering, physiotherapy, management, teaching or sciences."

An important part of the program is acknowledging achievement and this is marked by a graduation ceremony for students and their families in the

University's Bonython Hall. Dressed in gowns and with all the tradition of a university graduation ceremony, children step onto the stage to receive their certificates. The ceremony is followed by a barbeque and a celebration on the lawns.

"The ceremony is one of the most powerful aspects of the Children's University initiative," says Kiri.

"It raises aspirations, opens up conversations about children's futures and engages parents in the emotional moment that inspires pride, confidence and a new sense of what is possible."

In 2016 more than 1000 students attended a graduation ceremony in Bonython Hall as part of Children's University. It is hoped the experience will play a part in increasing their ambitions and inspiring further academic achievement.

To find out more about Children's University Adelaide, visit www.adelaide.edu.au/childrensuniversity

A new home for entrepreneurs

The University has a long and successful history in incubating great ideas, with innovation at the core of the research we do.

The new ThincLab Adelaide will further the University's efforts to stimulate innovation and entrepreneurship in South Australia, by providing our entrepreneurs with the resources to create and sustain successful new businesses.

As a young, aspiring entrepreneur, Noel Lindsay left school to set up his first small business at age 16. Initially it was a roaring success, he had found a market for his innovation, a business partner and they were making good money – but the success didn't last. Noel lacked the management skills to sustain the business, and soon after it closed down.

Now a Professor and the Director of the Entrepreneurship, Commercialisation and Innovation Centre (ECIC) and Pro-Vice Chancellor (Entrepreneurship) at the University of Adelaide, this early experience taught Noel what every budding entrepreneur needs to learn – in addition to a cracking idea, you need business knowledge and skills to be successful.

ThincLab Adelaide has been established to provide entrepreneurs with everything they need to incubate, grow and execute their ideas. This purpose-built innovation hub on North Terrace will offer entrepreneurship courses from bachelor level through to post-graduate; mentoring through the Australian eChallenge program; a prototyping lab including 3D printers; commercialisation expertise; networking with overseas entrepreneurs; and a business incubator.

"Someone may be thinking, 'I'd like to go into business but I'm not sure what I would like to do', so we can help them with creative workshops to generate ideas," says Professor Lindsay.

"Others may come along with a great idea but want to develop it further, create a prototype, learn how to pitch to an investor, or commercialise their idea.

"ThincLab is geared to provide the full range of support that an entrepreneur needs," he says.

A key feature of ThincLab is the business incubator. This is where students, alumni, start-up companies and research teams will take up tenancy in the space for a period of time, and work side-by-side as they develop their business ideas.

"ThincLab is great opportunity to build bridges and encourage collaboration between our students and researchers, alumni and industry," says Noel.

"The incubator provides the interface for these groups to meet – to learn from each other, to exchange ideas and perspectives, all with a view to developing a multidisciplinary approach to best grow an idea."

Participants in the incubator will be tenants at ThincLab for approximately three months. In addition to supporting each other, they will have access to academics and high achieving students, connection to venture capitalists and investors, mentoring, workshops and events, meeting rooms and boardroom facilities, and the prototyping lab and design studio.

The prototyping lab and design studio will include state-of-the-art, industry-spec 3D printers and fabrication technology for the creation of prototypes.

"The 3D printers can print with rigid as well as very pliable rubbery plastics. We even have a printer of interest to space researchers, which is capable of producing components suitable for sending into space," says Noel.

In addition to helping innovators develop ideas and the skills to start a business, an accelerator program is available to entrepreneurs who already have an idea and would like to fast-track its growth.

Through the Australian eChallenge program, participants can work with experienced business mentors, attend specialised workshops, connect with the University's research community and pitch their ideas to investors and other businesses.

"We currently have around 50 mentors who will be part of ThincLab, many of whom have been with us for a long time – these are very experienced entrepreneurs, professionals and state government people," says Noel.

In addition to the Australian eChallenge program, the accelerator program can help entrepreneurs identify funding sources, approach investors and negotiate with confidence. There are also opportunities to partner with academics or licence early-stage technologies through Adelaide Enterprise, the University's commercial arm.

“ThincLab Adelaide has been established to provide entrepreneurs with everything they need to incubate, grow and execute their ideas.”

As well as its breadth of resources, what makes ThincLab Adelaide unique is the added layer of learning from overseas entrepreneurs involved in other ThincLabs.

"Whether it's France, South Africa, Europe or Asia, we have study tours where participants can spend time with international entrepreneurs and participate in internships," says Noel.

"Through our international connections, we can also help our researchers set up in other locations, and we can help overseas researchers aligned with the University's and the state's strategic objectives to co-locate here."

ThincLab Adelaide will be facilitated by Noel and his team at ECIC, who bring academic as well as many years of practical experience in entrepreneurship to the table.

"I'm a 'pracademic', and so are most of my team at ECIC – I've owned many start-ups over the years. It would be hard to teach someone about entrepreneurship if you haven't experienced it yourself," says Noel.

"One of the things I love is transferring my passion and experience in this area to other people, and giving them the support to help them develop new ideas. ThincLab will provide greater opportunities to do that."

For more information on ThincLab or to express interest in being involved see: ecic.adelaide.edu.au/research/ThincLab/ or email: ThincLab@adelaide.edu.au

Left: Professor Noel Lindsay
Photo by Russell Millard

Scholarship helps Phillippa pursue her passions

University of Adelaide engineering student Phillippa Radford packs a busy schedule as she pursues multiple interests both within and outside city campus.

The winner of a 2017 Top100 Future Leader Award is always on the lookout for new challenges to expand her learning and gain important life experiences beyond university studies.

Winning an Ian Cocks Engineering Scholarship in 2015 is proving invaluable in helping her achieve her goals.

"The financial support that it provides really means a lot more than being able to support myself through university," says Phillippa.

"It's meant that I can also focus on other things and gain different experiences and not always be thinking about having to earn money to support myself."

The Ian Cocks Memorial Trust was founded in 1999 with the aim of increasing South Australia's knowledge base, particularly in the areas of wine industry technology, marketing and business, engineering for manufacturing industries, and tourism.

It was established in memory of Ian Cocks, the South Australian businessman and community leader who helped bring the Formula One Grand Prix to Adelaide in 1985 and who died tragically during the Classic Adelaide Rally in 1997.

The Petaluma wine company contributed \$100,000 towards the trust which today funds two scholarships to support engineering and wine research students.

Phillippa, 22, who is studying an honours degree in civil and structural engineering as well as a finance degree, won the scholarship as a result of her academic achievements.

The financial security has allowed her to devote even more time to various engineering organisations and committees. She joined Adelaide University Engineering Society in her first year in 2014 and is now vice-president.

"It's a role in which I can help other engineering students find their feet and make new friends when they start at university and also encourage them to pursue other endeavours to keep their study-life balance," says Phillippa.

As a committee member of Engineers Without Borders Australia, she has visited Cambodia and worked with people in the rural province of Kratié on sustainable design solutions.

Phillippa has also represented her peers in meetings with engineering

school heads to help improve courses and student interaction.

Outside of university, Phillippa is a part-time tutor in the boarding house of her former school, Pembroke School, where she provides pastoral support and assistance with homework for students of all ages.

"It certainly keeps me on my toes covering all types of subjects from maths to English and sciences," she says.

Phillippa says being awarded the scholarship also helped strengthen her resume to win valuable work experience with Arup Australia during the summer holidays.

"I'm really enjoying experiencing different things at the moment and want to keep challenging myself," she says.

"Whatever field I end up in, I want to be innovative and involved in problem solving and also a leader so that I have a role in inspiring other people."

Above: Engineering student Phillippa Radford
Photo by Andy Steven

Start-up gurus offer mentor support

Don and Michelle Perugini are life and business partners – two gifted research academics and entrepreneurs who love nothing better than taking a great idea and turning it into commercial success.

The two University of Adelaide graduates transformed their first business, ISD Analytics, from a start-up to an international tech company which they sold to global business group EY in 2015.

During the transition, they became executive directors in the company and made another discovery – their real passion is in the start-up community.

And that's great news for young academics attempting to capitalise on their own brilliant ideas. Both Don and Michelle are now offering their considerable expertise as mentors to help kick-start new tech companies.

"Our real interest is in driving these very new and advanced technologies and building them from the ground up," says Michelle. "We quickly missed the excitement."

While Michelle and Don's early specialist fields are quite different – Michelle is a medical scientist while Don focused on defence research – both became experts in advanced analytics and artificial intelligence.

They used this expertise in launching ISD Analytics with its groundbreaking software that can predict consumer behaviour to support business decision-making.

Late last year they launched a new venture, Presagen, which uses advanced artificial intelligence technology used in defence to support business automation.

At the same time, they are donating their services to the University's Adelaide Enterprise program where they are assisting with various commercial-ready ventures.

"We're really interested in building companies from new innovations and through the University of Adelaide we have access to hidden gems of world-class research which can be commercialised," says Don.

"It means we can mentor people who just need a little bit of confidence and guidance to get out there and commercialise their research. When we started ISD we relied very heavily on our mentors and now we're trying to give something back."

Among their most recent mentoring successes are Dr Jonathon Hall and Dr Melanie McDowall.

Jonathon and Melanie's 'Life Whisperer' technology took out two of the top awards for medical innovation and research commercialisation at Australian eChallenge, which is run by the University's Entrepreneurship, Commercialisation and Innovation Centre (ECIC).

Life Whisperer provides non-invasive image analysis to help improve embryo selection for couples attempting to have children through IVF.

Don and Michelle have formed a partnership with Jonathon to commercialise the technology.

"I was previously involved in translational medical research so it fits very well within the embryology application," says Michelle.

Don and Michelle are also mentors in the United States accelerator program Techstars which is opening its first Asia-Pacific operation in Adelaide.

"This is one of the biggest accelerator programs in the world and will run from July to October," says Don.

For more information visit
adelaide.edu.au/echallenge/information/



Don and
Michelle Perugini

Australia's best defence

Decisions by the Australian Government over the past 12 months have created a wealth of new opportunities in research and education in the area of defence. As a long-time partner of the defence sector, the University of Adelaide is well-positioned to increase its involvement.

Professor Michael Webb was appointed Director of Defence and Security at the University in 2016 to help drive new collaborations with industry and government. Michael has worked in the sector for almost 30 years, 20 of those at the Defence Science and Technology Group (DST Group) – the Australian Government's lead science and technology defence agency. He has been with the University for almost 10 years.

Lumen caught up with Michael to discuss our past, present and future involvement in defence.

Where are the opportunities coming from?

The opportunities have arisen from a couple of places. In its 2016 Defence Industry Policy Statement, the Australian Government identified an approach to defence innovation that includes the Next Generation Technology Fund of \$730 million and the Defence Innovation Hub of \$640 million. That's almost \$1.4 billion over 10 years, a significant investment. The University has already been successful in winning project work from this funding and there is potential for more to come.

There are also the major maritime projects – the Future Submarine and Future Frigates programs and, critically, the continuous shipbuilding program in South Australia. These are all areas where the University has a role to play.

What skills and expertise do we offer?

Most people wouldn't know this, but the University of Adelaide does more work with defence than most universities in the country. I'll mention a few examples of research to illustrate different aspects and excellence of our work. In our Institute for Photonics and Advanced Sensing we have developed the world's most precise clock, a cryogenically cooled sapphire clock which loses no more than a second every 40 million years or so. This precision measurement of time is vital in many systems – navigation and radar to name two.

In our School of Medicine, a group is researching the neural physiology of the dragonfly. The dragonfly is widely considered to be nature's most effective predator, able to capture tiny flying prey in mid-air at speeds of up to 60 km/h with an incredible hit-rate of over 95 per cent. Recently this research has been used to build an autonomous robot that can effectively and efficiently pursue targets in unstructured environments.

For almost a decade, Researchers at the University of Adelaide's Centre for Defence Communications and Information Networking (CDCIN) have been working with the Department of Defence and the Australian Defence Force (ADF) to ensure its communications remain at the cutting edge. CDCIN assists in both optimising the performance of existing ADF systems, and exploring, assessing and developing new concepts and approaches so that systems, equipment and people can interact rapidly, effectively and securely at all times.

Research conducted at the University in collaboration with DST Group has led to the development of a software performance modelling environment, called MEDEA. This technology allows mission-critical software systems in submarines, aircraft and armoured vehicles to be performance tested early in their design to highlight problems that would traditionally be found only towards the end of projects.

What is our history in defence and partnering with government and industry?

It goes back to early days. In 1948 our first full-time Vice-Chancellor was Sir Albert Percival Rowe, the Chief Scientific Officer for the British rocket program in Australia and scientific adviser to the Australian Department of Defence. If you look at any of DST Group's history, you will find University of Adelaide scientists throughout; we've had a close working relationship with the group for decades.

We have members of DST Group and the defence industry on the boards of some of our Institutes. Members of our faculty, including myself and Professor Pascale Quester, Deputy Vice-Chancellor and Vice President (Academic), sit on industry boards including Defence SA and Defence Teaming Centre.

We are also a participant in the rapid prototype development and evaluation (RPDE) program, which is run by the Department of Defence and involves a couple of hundred companies that solve short-term defence problems, often with a technology focus.

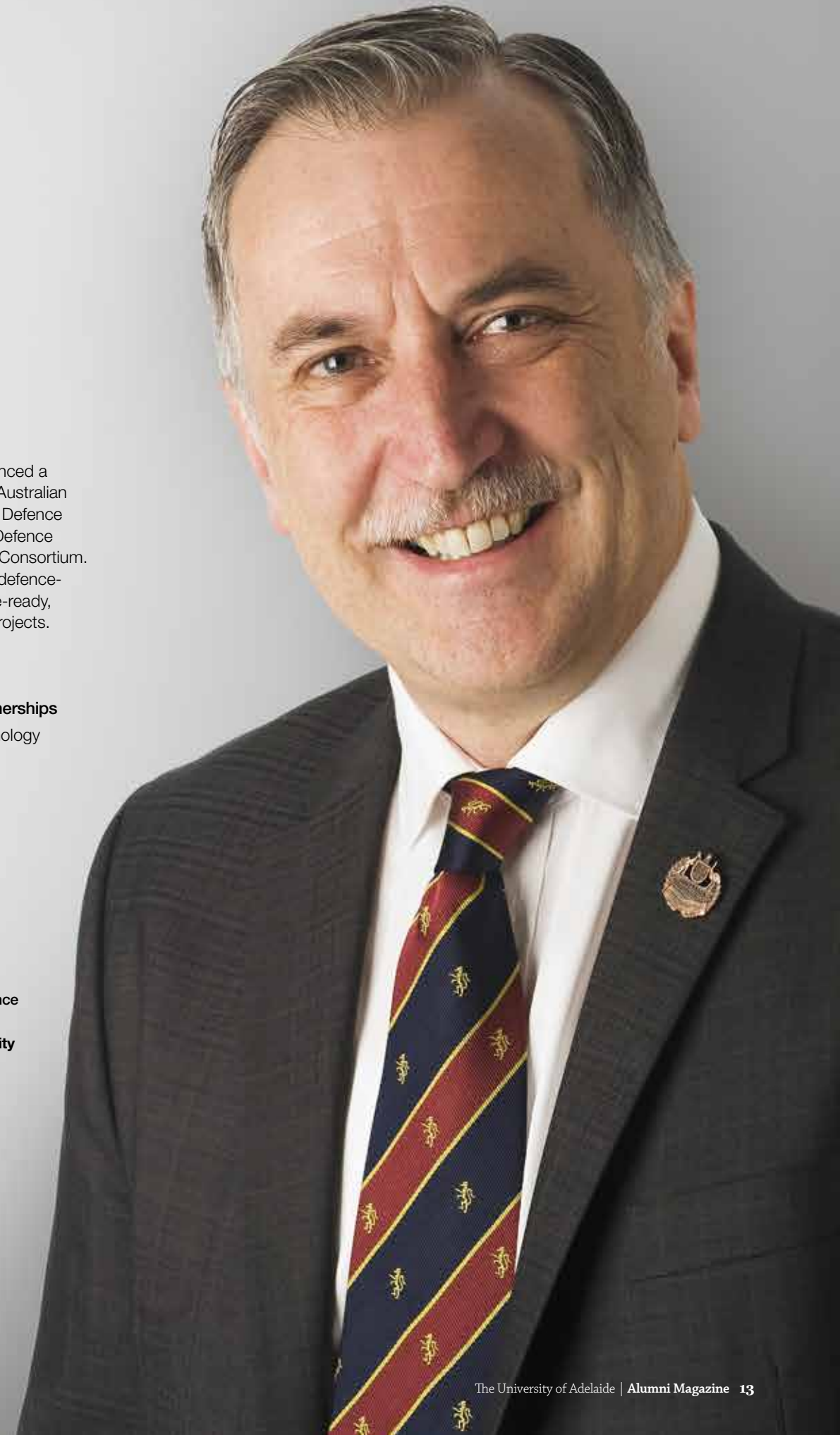
The University recently announced a partnership with other South Australian universities, TAFE SA and the Defence Teaming Centre, to form the Defence Industry Education and Skills Consortium. The Consortium will deliver a defence-ready, and especially maritime-ready, workforce to support future projects.

Past and present major partnerships

- > Defence Science and Technology Group (DSTG)
- > BAE Systems
- > DCNS
- > ASC
- > Lockheed Martin
- > Saab Australia
- > Nova systems

To find out more about the University's involvement in defence and security projects visit adelaide.edu.au/defence-security

Right: Professor Michael Webb



Engineering to protect those who serve our country

As an engineer with Australian shipbuilder ASC, alumna Heidi Ross enjoys the complexity of major maritime projects. But what really motivates her is the critical impact of her work on the lives of the Navy men and women who serve our country.

Throughout school Heidi loved competing in the World Solar Challenge, but it wasn't until she visited the University of Adelaide that she learned her passion for making things could be channelled into a career in engineering.

"I didn't know what engineering was until Year 11. It was at the University open day where I listened to a talk about engineering that I found what I wanted to do," says Heidi.

Heidi studied a Bachelor of Engineering (Honours) (Mechanical) at the University and during her studies completed a placement at ASC.

She then joined ASC's two-year graduate program where she rotated through a number of departments and learnt about the many complex systems in naval submarines and ships.

"ASC has many departments for different engineering specialisations: from noise and vibration to structural engineering, to production support or electrical engineering, so there are lots of different opportunities for graduates," says Heidi.

"I really enjoyed the ability to move around and see different aspects of the company and experience different types of work."

At the completion of the program, Heidi secured a position with ASC on the Air Warfare Destroyer Alliance Program in the technical department, where she focused on the systems engineering and technical integrity of marine systems.

Heidi has been with ASC since 2007 and during that time has worked on



Far left: The first of Navy's new DDG, NUSHIP Hobart at the ASC shipyard in Adelaide

Photo courtesy of © Commonwealth of Australia, Department of Defence

Left: Alumna Heidi Ross at work for ASC

Photo by ASC

major projects, including submarine maintenance and the Hobart Class Air Warfare Destroyer (AWD) project.

In her current role as System Safety Lead Engineer, she helps ensure the safety and integrity of equipment supplied to the Navy.

"People sometimes think systems safety is about making sure people wear hard hats and fluoro vests, but it's actually making sure that the products we deliver are safe for people to use, so it's equivalent to making sure your car has seat belts and airbags," says Heidi.

"I look at the design of products from a holistic system perspective which requires me to have a very good understanding of how all the systems interact and connect – it's a different aspect of engineering."

It's the technical detail of the projects and working on things that have a critical impact on people's lives that provides Heidi with a great amount of satisfaction.

"One of my favourite things about working for defence is that I love serving the people who serve our country – the people in defence who protect those in need and look after Australia's security interests."

"They do such an important job and sacrifice so much for us, so being able to support them with good quality equipment... that really motivates me."

“People sometimes think systems safety is about making sure people wear hard hats and fluoro vests, but it’s actually making sure that the products we deliver are safe for people to use, so it’s equivalent to making sure your car has seat belts and airbags.”

ASC

ASC is Australia's largest specialised defence shipbuilding and submarine platform organisation, with more than 2500 employees across three facilities in South Australia and Western Australia, including more than 380 engineering and technical specialists.

The University of Adelaide's Masters of Marine Engineering course was co-developed by ASC, who are also involved in its delivery.

Widening our global networks

Our alumni networks in Australia and overseas help alumni stay connected with each other and the University, and participate in many educational and social activities. In 2017 and beyond, the University of Adelaide is expanding its reach into China.

The new China Alumni network will add to our existing networks which cover faculties and many interest areas. In the lead up to its launch, *Lumen* spoke with four graduates from different generations of Chinese alumni who have moved onto interesting careers.

A life-changing study move



Ken Wang was 16 when he arrived in Australia in the 1960s to attend school in Darwin while his father was stationed in nearby East Timor. After school Ken furthered his education at the University of Adelaide. It was a period when Communist China was not recognised by the Australian Government and the White Australia policy made coming here difficult for Asian students. So Ken was very much in a minority. "Most of the Asian students when I studied were Colombo Plan scholars, relatives of Asian Australian citizens and students sponsored by churches and other institutions," says Ken. "The strong Australian currency and full application of university fees were also limiting factors for studying in Australia."

Ken has enjoyed an interesting and varied career since graduating with a Bachelor of Sciences and Bachelor of Engineering (Honours) and initially worked as an audio and television development engineer at Philips in Adelaide. In the 1970s he was a foundation member of Don Dunstan's Unit for Industrial Democracy; in the 1980s he moved into the finance sector and designed computer administration and trading systems; and in the 1990s he was appointed Chief Investment Officer with the Public Trustee, a position he remained in until retirement in 2011.

Today, Ken lives with his wife Patricia in South Australia. He has two children, Mimi and Mac, and both are graduates of the University.

A golden opportunity for Michael

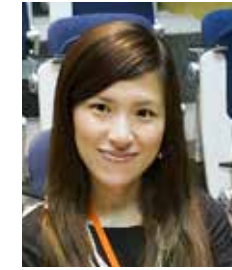


When Michael Hua was offered a place to study at the University of Adelaide he leapt at the opportunity. "It was the 1990s and only the best students in China could study overseas, so when the opportunity presented itself, I didn't hesitate," says Michael.

Michael was 17 when he arrived and completed his Bachelor of Commerce in 1999, before gaining some experience in accounting and tax consulting, and then specialising in mergers and acquisitions. He moved to China to focus on corporate growth strategy consulting and is now based in Shanghai, working on mergers and acquisitions for a multinational healthcare company. "I'd say that I've been very fortunate to move into the healthcare sector," says Michael. "I have done multi-billion dollar deals that have given hundreds of thousands of people better access to the most advanced healthcare technologies."

Michael has been actively involved in the University as Chair of the Commerce Alumni Network.

Cynthia discovers a love of research



From a young age it was Cynthia Gao's dream to become a teacher. But it was during her Master of Education at the University of Adelaide 10 years ago that she found she also enjoyed research. So she went on to do a Master of Educational Research and then a PhD. This led to Cynthia winning a position as a postdoctoral researcher at Taiwan Central University and Taiwan Normal University where she became interested in educational psychology and cognitive psychology within the context of learning with technology. Today Cynthia is a senior researcher at Beijing Normal University's Smart Learning Institute (SLI). "SLI is devoted to exploring innovations and developments in effective use of information and communication technology and constructing a learning environment where lifelong learning and the diversified, personalised, and differentiated learning style of digital generations can be supported," says Cynthia. "I am currently the principal investigator on a project that looks at the use of virtual reality and other on-trend technologies as strategies for teaching and learning. "I love doing research. In the future, I hope that I can continue to combine my enjoyment of research and education in valuable projects like the work I'm doing at SLI."

Learning the world of business



Eve Li came to study at the University of Adelaide from China after completing a semester exchange program during her Bachelor degree in international trade and commerce. "After studying entry level courses in economics, finance, trade and accounting, I thought the best way to understand a corporate business would be by analysing financial statements, and the Masters of Accounting and Finance would allow me to do that," says Eve. Since graduating in July last year, Eve overcame tough competition to win a place in the graduate program of global energy giant Enzen. The six-month program is in the United Kingdom where Eve will work on a local water project in Leeds and a power project in London. "I'm looking forward to working on a range of transformational projects and learning how I can help different organisations become more energy efficient and meet the challenges presented by new advances in technology."

The Chinese Alumni network is just one of several new networks planned to provide our graduates with more learning and networking opportunities. For more information about networks see the back inside page of *Lumen*, or contact alumni@adelaide.edu.au

Women's sport takes centre stage

Some serious cracks have started to appear in the gender wall that for generations has made it difficult for female athletes to play professionally the sports they love to watch.

University of Adelaide Sport is doing its part to ensure the barriers stay down.

Football and cricket teams launched by the University of Adelaide Blacks in recent years are giving young female students, graduates and other interested women the opportunity to learn new skills and compete at the highest levels.

The focus is opening up avenues to elite competitions in both sports, with the Women's Big Bash League and the new Australian Football League Women's (AFLW) proving hugely popular.

And in another significant step forward, the University has been selected to field a team in a new national rugby sevens competition which starts in August.

They are opportunities that University of Adelaide law graduate Talia Radan – a diehard Adelaide Crows supporter since she was a young girl – never thought possible.

The fact that Talia helped make history in February when stepping out in a Crows guernsey for the club's inaugural match against Greater Western Sydney, shows how times are changing.

"I used to play netball in the state league and always thought that was the only option I really had," she says. "Football always had my heart but I never factored it into my consideration to ever play the sport.

"It's so nice that young girls and teenagers can now pursue it at a higher level, because everyone deserves the opportunity."

It wasn't until she was graduating from Adelaide in 2010 that women's football started to emerge as a serious option for Talia.

She ended up playing for the Belconnen Magpies in Canberra before being drafted to the Crows earlier this year.

Talia, 28, has now relocated to Adelaide and somehow manages to squeeze in

daily training for the club while working full-time as an Australian Government ministerial advisor and travelling regularly to Canberra.

"They are heavy days but I'm lucky and my boss and the Adelaide Football Club have been fantastic," she says. "It means I get home about 9pm most nights of the week and end up eating dinner at 9.20pm.

"But I wouldn't change it – it's become the norm for me and I'm just privileged to be in this position."

Talia's passion for the sport is being taken up by many young women in a trend identified by Wayne Abrey, Adelaide University Football Club secretary, four years ago.

He helped establish the University's first women's team in 2013 and enthusiasm for the sport has grown so quickly that the club will field three teams this season in the SA Women's Football League. They won the division two grand final in 2015.

"A lot of girls comment that they never thought they'd see women's football in their lifetime," says Wayne. "We're happy to take on anyone at any skill level and give them the opportunity to be able to play."

Courtney Thomas, 23, was among the early recruits who loved football but never dreamed she would end up playing the sport.

Another keen Crows supporter, she discovered the University had a women's team while studying honours in psychology.

In no time she was hooked and her strong defensive skills have seen her drafted into the West Adelaide team competing in the new SANFL women's competition.

"I'm just really grateful that the University was so supportive and kept pushing me," says Courtney. "It was the club that nominated me to try out for



Above: Courtney Thomas

Left: Talia Radan at training

Photo courtesy of The Adelaide Football Club

the SANFL competition because I never realised it was an option."

And it's not just local women who have grown up watching football and are now enrolling at the university club.

Wayne says many overseas students are showing interest in "playing this funny Australian game". They include two English and Irish students who went on to represent their countries in the sport.

It's a similar story for the Adelaide University Cricket Club which re-established a women's team six years ago after a break of more than 20 years.

David Penn, who is president of Adelaide University Sport and coach of Adelaide University Women's Cricket, says international students from all kinds of backgrounds are lining up to play for the club after watching the Women's Big Bash League.

They include students and staff from non-cricketing nations such as Austria, Germany, Brazil and Venezuela, as well as the more traditional cricketing countries.

"We're keen to expand our women's cricket program and have plans to introduce a second senior side plus a junior side in coming seasons," says David

The club can be contacted at cricket@theblacks.com.au

Finding inspiration among the vines

Corrina Wright was in the middle of a commerce degree with plans to do commerce-law, when she had one of those life-changing, light-bulb moments – she wanted to be a winemaker.

To be fair, it wasn't a total surprise. Corrina grew up among the vines at her family's Oliver's Taranga Vineyards in McLaren Vale and is the sixth generation to live there.

"I always thought I wanted to be a lawyer but sometimes you don't always see the opportunities that are right there in front of you," says Corrina.

Her late switch worked out perfectly – both professionally and romantically.

After finishing her commerce degree at the University of Adelaide in late 1993, she took a year off and then re-enrolled in oenology.

It was during her second round of studies that Corrina met her future husband, Dan Wright, who was studying viticulture at the University.

"My degree coincided with the course's move from Roseworthy to Waite with all the new facilities, and we had AWRI (Australian Wine Research Institute) and GWRDC (Grape and Wine Research and Development Corporation) on our doorstep, which was pretty awesome," she says.

"My final year also involved an exchange with the University of California Davis wine school, so it was an amazing opportunity."

Living expenses for her US studies were sponsored by the former Southcorp Wines and she was a graduate winemaker with the company when she returned.

The experience meant she was ideally placed to help her family extend its vineyard operations with the opening of a winery and cellar door on their 100-hectare property.

Today Corrina makes award-winning wines for the business while Dan plays a key role in the family's vineyards, which regularly supply grapes for Penfolds Grange and other top quality wines.

"We produce about 10,000 cases annually through our own winery and about two-thirds of our grapes are bought by other producers," she says.

Corrina is director, winemaker and marketer for the business and has just added beer taster to her long list of skills.

"Dan has always envisaged launching a beer label and we've currently got an application with council to build a brewery on our property," she says.

Their micro-brewing business Swell Brewing Co is already making waves among craft beer enthusiasts.

Right: Corrina Wright

New label highlights wine credentials

A new wine label has been launched by the University of Adelaide to showcase its world-renowned research and teaching programs in winemaking and viticulture.

Some of Australia's best winemakers, viticulturists and wine scientists were taught at the University's Waite campus. Annually more than 400 different wines and fortifieds are produced.

While none of them are sold commercially, many are top quality and this will be highlighted by the label which presents a clean, polished and professional identity. They are available to staff and alumni for purchase through the Waite winery.

For enquiries contact:
assistwinemaker@adelaide.edu.au



A new era in health

The launch of the University of Adelaide's \$246 million Adelaide Health and Medical Sciences building has signalled a new era in health education and research in South Australia. Located in Adelaide's new biomedical precinct in the West End, the 14-storey building is home to teaching and learning facilities for 1600 students and more than 600 researchers.

There is little doubt that the vast majority of South Australians would have, at some time in their lives, received medical or other health care from someone who has studied or worked at the University of Adelaide.

This proud tradition of producing outstanding medical, nursing and dental graduates is set to continue at the University's new home of medical and health education in the Adelaide Health and Medical Sciences (AHMS) building.

According to Professor Alastair Burt, Executive Dean of the University's Faculty of Health and Medical Sciences, AHMS brings new teaching styles as well as the latest technologies to health education.

"We now have the most high-tech healthcare teaching facility in Australasia with simulation suites that replicate the technology available in modern critical care hospitals, such as the new Royal Adelaide Hospital," says Alastair.

"By having access to the same technology, students are surrounded by the same visual cues and sounds, helping them to graduate work-ready, reducing hospital costs and improving the delivery of quality and safe healthcare."

For the first time, the University's medical, nursing, dental and public health schools will be brought together under the same roof.

"By combining the teaching of medical, nursing and dental students in one location, it has stimulated a new integrated approach to health learning," says Alastair.

This integrated learning approach also applies to research, with the building home to researchers working on the next medical breakthroughs in cancer, ageing and chronic disease, reproductive and child health, nutrition and metabolism, and neuroscience.

"The research will tackle major health challenges of the 21st century, including early determinants of disease, the burden of chronic disease in an ageing population, the growing problems of obesity and the search for increasingly effective treatments for common cancers," says Alastair.

AHMS will also house the new 89-chair Adelaide Dental Hospital, under the 30-year Dental Education Partnership Agreement with SA Health.

And like any great vision, AHMS has only been achievable through the support of many people, including more than 800 donors and the generosity of University alumni such as Dr Joseph Verco, Alastair Hunter, Coopers Brewery Foundation and Dr Malcolm Bean.

"We also thank the Australian Government for its generous support of \$60 million and the South Australian Government for making the land available and, through SA Health, for their partnership in the Adelaide Dental Hospital," says outgoing Vice-Chancellor and President, Professor Warren Bebbington.

"We all look forward to benefiting from the future medical breakthroughs and the next generations of doctors, nurses and dentists the building will foster."

To learn more visit
health.adelaide.edu.au



AHMS at a glance

- > School of Dentistry
- > School of Nursing
- > School of Medicine
- > School of Public Health
- > Four levels of research laboratory space
- > Public dental clinic for 89 patients
- > 240-seat, state-of-the-art public lecture theatre
- > An interactive 90-seat theatre for demonstrative learning.



Above left: Joe Verco with nursing student Trinity Norton and Professor William Tam – Vice President of the Australian Medical Association (SA)
Right: Chancellor, Rear Admiral the Hon Kevin Scarce AC CSC RAN-Rtd, Premier Jay Weatherill, Senator Simon Birmingham – Commonwealth Minister for Education and Training, Alastair Burt – Executive Dean, Faculty of Health and Medical Sciences, Prof Warren Bebbington, Outgoing Vice-Chancellor and President of University of Adelaide
Below: Joe Verco and Mary Lou Bishop in one of the new lecture theatres
Backdrop: the AHMS building

On the trail of a cancer cure

Professor Wayne Tilley is the medical research equivalent of a super sleuth. For more than 30 years he's been on the trail of two of Australia's biggest serial killers – breast and prostate cancer.

Like any piece of complex detective work, there have been some false leads and disappointments. But with the support of his team at the University of Adelaide's Dame Roma Mitchell Cancer Research Laboratories, and with strong international partnerships, brilliant progress is being made. Breakthrough insights are being achieved into better understanding both diseases and finding more targeted and effective treatments.

Wayne is Director of the Dame Roma which is widely recognised as one of the world's leading centres for research into breast and prostate cancer.

His particular focus has been on the critical role of sex hormones and their cellular mediators – specifically androgen, progesterone and oestrogen receptors – on the spread and control of both cancers.

"The problem we face is there are multiple subtypes of prostate and breast cancers and we know that at a molecular level tumours are incredibly different from patient to patient," says Wayne.

"One of the challenges of coming up with a new therapy is being able to identify those patients who will benefit and to outsmart a disease which has the ability to adapt and become resistant to current treatments."

Wayne enjoyed early success in the late 1980s when he cloned the human androgen receptor (AR) and mapped its genetic structure. This was pivotal to the development of new treatments that target this critical driver of prostate cancer.

Since then he's been able to highlight the role of AR in driving prostate cancer and show how it can adapt following androgen deprivation therapies to still drive tumour growth.

This helps explain how tumours become resistant to androgen deprivation therapies in advanced prostate cancer and progress to a lethal stage.

"For example, we discovered that the AR can mutate to accommodate low levels of androgen," says Wayne.

"Our current research is looking at new ways of eliminating the activity of AR through novel molecules that target different parts of the receptor without having to remove androgen.

"It's quite exciting, because it also has potential to eliminate debilitating side-effects associated with androgen deprivation."

With more than 3000 men expected to die from prostate cancer this year, new discoveries of this nature are vital.

Wayne has been overseeing the research program at the Dame Roma Mitchell laboratories since they opened in 2002.

While he's made important inroads into stopping prostate cancer, Wayne and his team have been equally successful in researching breast cancer, which claims the lives of more than 3000 Australian women every year.

Again, their revelations on the role of sex hormones in breast cancer is proving hugely beneficial.

They have shown that androgen – while potentially bad for prostate cancer – can actually counteract the proliferative effects of estrogen, which is responsible for about 75 per cent of breast cancer.

"We were able to show in experimental models that androgens can inhibit the growth of breast cancer and that's led to smarter ways to target breast cancer," says Wayne.

In another potential game changer, the Dame Roma team has been working with Cancer Research UK (CRUK) Cambridge Institute on using progesterone in the management of advanced breast cancers that are resistant to standard treatments.

It's a controversial area because some progestins – synthetic forms of progesterone – have long been considered harmful by increasing breast cancer risk. However, many studies now indicate that there is no increased risk with bioidentical progesterone made from plant material.

"There is a natural 'crosstalk' between estrogen (ER) and progesterone (PR) receptors that we strongly believe can be exploited," says Wayne.

"When used with tamoxifen or other current ER target therapies, we hope to improve on the existing hormone therapies. We have clinical trials starting this year in Australia and the UK to test the hypothesis.

"Progesterone is well tolerated and cheap, making it an attractive treatment option, especially in third world countries."

Of course, any major research project deserves the occasional unexpected breakthrough. Some good fortune came Wayne's way when his researchers discovered a technique for keeping tumours alive to test new treatments after they've been removed from a patient.

They found that the tumour tissue survives quite happily for a couple of weeks if kept on sponges used in dental surgery that are soaked in a supportive media.

"The importance of this new technique is that we can take a bit of tumour with the consent of the patient and treat it in real time to obtain relevant insights into resistance or response to drugs," says Wayne.

"This is going to give us the next wave of breakthroughs and fast track getting drugs into the clinic."

Meanwhile, the Dame Roma Mitchell research team is in the process of relocating to its new home at the \$246 million Adelaide Health and Medical Sciences building – a move that Wayne believes will have major benefits.

"It will be a real advantage because we are a bit isolated at present. We'll be juxtaposed in a more dynamic, interactive environment with other terrific scientists and clinicians with access to technologies that will benefit our research.

"A critical aspect of our success is an extremely good interface with clinicians in both breast and prostate cancer and with patients who are willing to assist our research by allowing us to use their tumour tissue and be involved as patient advocates. The shift to the new building will help us maintain those linkages."

“One of the challenges of coming up with a new therapy is being able to identify those patients who will benefit and to outsmart a disease which has the ability to adapt and become resistant to current treatments”

Professor Wayne Tilley
Photo by Jo-anna Robinson

World-first study targets Meningococcal B

About 45,000 adolescents are being immunised against Meningococcal B disease in South Australia in a statewide study led by the University of Adelaide.

The initiative could lead to vaccination programs throughout Australia and overseas to stamp out the crippling disease which can result in limb amputations, brain injuries and death.

There are six strains of the meningococcus bacteria but in Australia, over past decades, most cases have involved either the B or C strains. More recently nationally there has been an increase in the W strain. While there is a national immunisation program in place to vaccinate against meningococcal C disease, the cost-effectiveness of a program for the B strain is still under review.

The new statewide study led by the University's Robinson Research Institute, known as *B Part of It*, could hold the key.

The program is being run in partnership with SA Health and has been approved by the Women's and Children's Health Network Human Research Ethics Committee.

It involves providing the licensed Meningococcal B vaccine free to about 45,000 adolescents enrolled in Years 10, 11 and 12 in schools across South Australia. This will help determine the impact of immunising large community groups against the disease.

Professor Helen Marshall, Deputy Director of the Robinson Research Institute and Director of the Vaccinology and Immunology Research Trials Unit at the Women's and Children's Hospital, says the study is believed to be the first of its kind and the rest of the world is eagerly awaiting the outcome.

"The size of the study, and the fact that many countries will use the data to determine whether they will implement a MenB vaccine, makes it an exciting study to be part of," she says.

Teenage children have been chosen because they have a high rate of carriage and transmission of the bug that causes meningococcal infection.

The meningococcus bug is carried in the throat of adolescents with up to 20-25 per cent carrying the bacteria.

"Most of the bugs are the harmless strains but some of them are hypervirulent," says Helen.

"What is difficult for us to know, is who is carrying which strain type, therefore having an immunisation program where you can reduce the carriage overall should reduce the risk of transmitting those hypervirulent strains.

What the study also aims to prove is whether the MenB vaccine has a herd immunity benefit similar to what was seen with the MenC vaccine.

"Herd immunity is when a significant portion of a population is immunised against a disease, preventing its transmission from one person to another and protecting those who are not immune," says Helen.

"I think a lot of people understand that if we get vaccinated we are protecting ourselves, but actually the herd immunity impact is a much more powerful protective effect, as we saw with the MenC vaccine.

"It is given to one-year-olds but has actually reduced the disease in all age groups. The C strain has almost disappeared in Australia and this can only be happening because we are reducing the transmission of the bug."

This is one of the key pieces of information that Australia's Pharmaceutical Benefits Advisory Committee (PBAC) is seeking to help determine if the MenB vaccine is suitable for an immunisation program.

"If a herd immunity benefit is proven, it would mean that the protection would be extended to others in the community by significantly reducing the transmission of the bug and therefore occurrence of the disease. This would make it a more cost-effective solution," says Helen.

The researchers have been encouraged by the response of the South Australian community in support of the study.

"It really has been a whole-of-state approach. We are working closely with local government to deliver the program through immunisation nurses who deliver immunisations in schools and who will do the study throat swabs and the vaccinations," she says.

"We have a very strong partnership with SA Health and SA Pathology is doing all of the microbiology work.

"Working with the schools has been great and the Department of Education and Child Development, Independent Schools Association and Catholic Education have been very encouraging and supportive of schools' participation.

"We have 236 schools that have agreed to participate – we've even had a couple of schools ring up just to make sure that they are still on our list."

To find out more about the *B Part of It* study visit www.bpartofit.com.au

Professor Helen Marshall is an alumna and a medical clinician researcher with specialist training in paediatrics, vaccinology and public health. She completed a Bachelor of Medicine and Surgery, Doctorate of Medicine, Master in Public Health and Diploma in Child Health at the University of Adelaide and the international Advanced Vaccinology Course at the Pasteur Merieux Institute, France.

Her passion in children's health and vaccinology stems from time spent during her medical degree on a paediatric ward in a hospital in Western Samoa where she saw firsthand the devastating effects of infectious diseases in a country low on medical resources. This inspired her to move into paediatrics, which led to an opportunity to work on clinical trials with vaccines to protect children against serious infections.

Professor Helen Marshall
Photo by Russell Millard



Ethos of Milton Sims lives on

Under the guidance of Professor Milton Sims at the Adelaide Dental School, Dr Helen McLean became the high-calibre orthodontist that she always hoped to be.

Dr Helen McLean
Photo by Russell Millard

Under the guidance of Professor Milton Sims at the Adelaide Dental School, alumna Dr Helen McLean became the high-calibre orthodontist that she always hoped to be. Now, with the help of her colleagues, she is repaying the gift of a world-class education by supporting the Milton Sims Visiting Professorship.

Dr Helen McLean set her sights on becoming an orthodontist at age 10 after a painful experience at the dentist.

"I have very vivid memories of walking out of the dentist's surgery and saying to my mother: 'When I grow up I'm going to be a dentist and I'm going to be very kind and caring, and all the children will come to me'," says Helen.

Helen's ambition has never wavered. Following the completion of a Bachelor of Dental Surgery at the University, she practiced dentistry for four years before returning for postgraduate studies in orthodontics under the guidance of the eminent Professor Milton Sims.

"Milton had lectured to us as undergrads and I guess what impressed me was his

unwavering belief that near enough was never good enough. It was perfection or do it again, and perfection is in my nature," she says.

"Therefore as frustrating as it might be, I knew if I studied under Milton Sims I would learn a lot, it would be evidence-based because he was a world-recognised researcher, and I'd learn that I had to be at the top of my field if I was going to be successful."

Helen says that her life's wisdom has come from the examples that Milton set.

"It was an ethos of excellence and hard work – he expected to see us seven days a week and if he didn't see us on Sunday he would ask us Monday morning – 'where were you yesterday?'"

"It was an ethos of if you want to get there then you have got to work."

Milton also had a strong philosophy of evidence and critical thinking, and he sought to instil these qualities in his postgraduates.

"He would say: 'Helen, how could you do that if I took the manual away?"

How can you move that tooth because you're not getting the wires out of the cupboard today, you must find another way?"

"I'm absolutely blessed to have been taught by someone of that calibre."

To share the benefits of her education, Helen has three private orthodontic practices, two in Adelaide and one in the Riverland, and treats public health care patients with severe orthodontic problems at the Adelaide Dental Clinic.

She also volunteers annually at a medical and dental clinic in remote Vietnam where she provides dental care to people of the Ba Ria-Vung Tau Province living close to the site of the Battle of Long Tan.

This is in addition to her role as Senior Clinical Lecturer in Orthodontics at the University.

"It's an ethos of wanting to share knowledge and giving back, because still to this day I think I am incredibly fortunate to have studied dentistry at a school like the Adelaide Dental School."

Visiting professorship helps inspire

The Milton Sims Visiting Professorship was established to bring an eminent overseas professor of orthodontics to Australia to enhance the learning of Adelaide Dental School postgraduates and practitioners in Australia.

Visiting professors teach and guide the research of postgraduates and present courses to general practitioners during their stay. They also take on the role of external examiner for our postgraduates in their final exams.

"If our graduates pass and pass well then they can hold their head high all around the world because they haven't just been trained and examined in Australia by Australian specialists, they've also been taught and examined at international levels by world-class and highly regarded orthodontic professors from overseas," says Dr Helen McLean.

The professorship was initiated by Professor Wayne Sampson, a senior lecturer in orthodontics at the University, who worked alongside Professor Sims in running the postgraduate program over many years.

He built the case for a professorship with Helen and three other colleagues – Dr Craig Dreyer, the current Professor of Orthodontics at Adelaide Dental School, Dr Simon Freezer and Dr Colin Twelftree. All five had been profoundly influenced by Professor Sims during their careers.

The inaugural professorship was in 2015 when the founding donors and the Dental Research and Education Fund (DREF) brought Professor Fraser McDonald, from Kings College, London, to the University.

"The feedback from Professor McDonald and our postgraduates was that they learnt so much, it was fantastic," says Helen.

Last year the University hosted Dr Jay Bowman, from the University of Michigan, and will host Theodore Eliades from the University of Zurich in 2018 with the professorship now approved as a biennial initiative.

If you would like to find out more about the Milton Sims Visiting Professorship or get involved in supporting its perpetuity, contact engage@adelaide.edu.au



Professor Milton R. Sims, AO (1927-2006)

Professor Milton Sims was an orthodontic pioneer who devoted his life to teaching, research and clinical service for the benefit of the University and the general community. He was Reader in Orthodontics at the University of Adelaide from 1963 – 1992 and introduced a postgraduate program at the University that led to the specialisation in orthodontics. Until his retirement in 1993, 45 students graduated from his program and went on to fulfil their professional obligations nationally and internationally.

As a disciple of the legendary PR Begg (1898-1983), Professor Sims championed the Begg treatment philosophy, particularly when he was in the United States in the early 1960s. He provided many lectures and courses of instruction that ensured the University of Adelaide was on the world stage.

Shouwn leverages the power of education

When Lumen featured alumnus Shouwn Oosting in 2003, he was graduating with a Bachelor of Commerce while breaking new ground as the University's first Indigenous mace bearer. Since then Shouwn has leveraged his education to pursue what he is really passionate about – improving outcomes for Aboriginal people.

As an Aboriginal person, Shouwn Oosting is only too aware of the struggles of his elders to create opportunities and improve outcomes for Aboriginal people. Shouwn's mother is a member of the Stolen Generation and through the story of her upbringing and the challenges she faced, he realised early on that you need to grab opportunities in life – and that includes a good education.

Shouwn commenced a Bachelor of Commerce in 2000 and a year into the degree applied to take on a Bachelor of Laws and complete a double degree.

"I thought commerce and law would provide me with a really robust education and help me develop critical thinking which would be a nice fit with the career pathway that I had in mind. So I put my hand up for it and got in ... I started the double degree in 2002," says Shouwn.

During the double degree, Shouwn made a successful application to participate in an Indigenous Cadetship Program with the Crown Solicitor's Office within the Attorney General's Department. The cadetship was strongly connected to the law program so he could practically apply what he was learning.

"The cadetship program was very structured and a lot of the placements I did within the Crown were directly related to what I was studying.

"I honestly believe that the cadetship was the difference in me completing the law program."

At the time he was studying, to practice law in South Australia graduates were required to complete the Bachelor of Laws and a Graduate Diploma in Legal Practice as well as a practical placement with a registered law firm. In 2006 Shouwn had a couple of electives left of his law degree, he had started the graduate diploma, he was working full-time and raising a young family. Life was hectic.

"It was quite challenging – but I had a very clear goal," says Shouwn.

Near the end of his cadetship, Shouwn identified an employment opportunity with the Department of Health, as a Senior Project Officer within the Aboriginal Health Workforce Development unit. This role really appealed to Shouwn because it provided an opportunity to work in a very important area. It was a difficult decision to make and would mean, for the time being, moving away from the legal sector.

"My manager at the Crown Solicitor's said to me, 'so what do you really want to do? What is the thing that really drives you?' And I said, 'this role really interests me'. So he encouraged me to have a crack at it."

Shouwn still finished his law degree and the Graduate Diploma in Legal Practice, and in 2009 gained admission as a barrister and solicitor of the Supreme Court of South Australia.

Since 2010, Shouwn has been working at the Department of State Development (formerly the Department of Further Education, Employment, Science and Technology) as a Principal Consultant. Much of Shouwn's current role is around policy coordination and strategy development, supporting implementation of the State Government's policy to improve employment outcomes for Aboriginal people.

"I've been involved in a lot of rewarding, challenging work – and there's still plenty to be done and I'm keen to keep chipping away.

"At the moment I'm doing what I love doing. I get out of bed excited about the day ahead and that's a really powerful position to be in."

Another area that Shouwn is passionate about and actively involved in is Reconciliation. He is the Chairperson of Campbelltown Council's Reconciliation



Above: Shouwn Oosting with his three children, Jerome (back), and twins Joshua (left) and Isaac at graduation in 2003

Left: Alumnus Shouwn Oosting
Photo by Russell Millard

Advisory Committee, a volunteer position that he finds very rewarding.

"I love being involved in the Reconciliation movement because I think that's where we are going to see generational impact and generational change – but we need to bring all Australians on the Reconciliation journey to be effective."

In addition to Shouwn's dedication to improving outcomes for Aboriginal people, Shouwn is also devoted to his family. His eldest son is now 17 and in year 12, and he has twin boys in year 10.

"My kids are certainly at the top of my agenda and particularly now it's about making sure they make the best possible decisions to give themselves lifelong opportunities. In many ways, it's doing what my parents did – it's role modelling and setting strong values around education and work."

Experiencing Adelaide

à la Jeff and Sue Catchlove

There's nothing like a backyard barbie or meat pie to open up the conversation and help our overseas students feel at home in Australia.

Mexican student Alejandro Román arrived in Adelaide a year ago and soon experienced both, courtesy of alumnus Jeff Catchlove and his wife Sue.

Alejandro is studying a Masters of Engineering, specialising in mining, at the University of Adelaide and has enjoyed a

number of local experiences while being introduced to the Australian way of life by the Catchloves.

They met through the Experience Adelaide program which matches international students with alumni and staff in our university community.

"As long-term South Australians, we feel proud and privileged to live here and want our visitors to share the enjoyment and benefits of experiencing such a pleasant place and lifestyle. Experience Adelaide provides a wonderful opportunity for overseas students to get a little insight into daily life for locals," says Jeff.

Jeff and Sue have been part of the program since 2014 when it started and so far have met with three other students from Kuala Lumpur, Zimbabwe and Indonesia.

"The level of contact and the types of activities they have shared with the students have been quite different,

but this is very typical for the program which allows participants to self-regulate the contact and activities according to how much time they have, their interests and other needs," explains Experience Adelaide Program Manager, Annette Wheatley.

Through time spent with Jeff and Sue, Alejandro has enjoyed a number of local places and Australian experiences. They include Hahndorf, where they stopped at Otto's Bakery for a pastie and pie, Semaphore beach, the Sculpture Symposium in the Adelaide Hills, several wineries, a tree planting day in Second Valley and, of course, the backyard barbeque.

"It's absolutely imperative that everybody experiences an Australian barbeque," says Sue. "Jeff is an excellent chef and I think it's important they try Australian lamb."

Alejandro says the time he has shared with Jeff and Sue has been positive and enhanced his stay in Australia. He's thankful for the opportunity to study here to increase his opportunities as a mining engineer and allow him to support his family – mum, dad and two sisters.

"You do get a bit homesick, like at Christmas time it was hard being away from my family... but you can always find very nice people and places that you can go," he says.

"I've really loved spending time with Jeff and Sue and I'm very thankful – the time I've spent with them has made time away from home a little bit lighter."

Although the final year of his masters is a busy time, Alejandro, Jeff and Sue continue to catch-up.

Next on the menu is some Mexican culture with a home cooked meal from Alejandro.

"I promised last time we had an Australian barbeque that I was going to cook a Mexican meal for them, just not too spicy," he says.

More volunteers are needed to help the University meet demand for the program. For more information email annette.wheatley@adelaide.edu.au

Jeff and Sue Catchlove
with Alejandro Román
Photo by Russell Millard

Experience Adelaide Fast Facts

As at December 2016:



738 new international students from **60** countries have participated in the program



379 alumni, staff and students have welcomed international students to our state



94% of the volunteers say they will recommend the program to others

Susie's recipe for success

Dr Susie Chant is a devoted foodie whose journey into academia was anything but direct.



University of Adelaide alumna Dr Susie Chant is a self-described country girl who packed in an awful lot before turning her sights to full-time on study and research; and becoming an Australian expert on the history of local foods.

After cooking at an English palace and working on an island paradise in her twenties, she launched three successful restaurants and a few bed and breakfasts in South Australia's South East.

A major point of difference at the time was her strong focus on local produce – a commitment to her community long before such food experiences became fashionable.

It was an intense grounding at the sharp end of the food sector that has given Susie unique insights for her current roles.

Today she is the Academic Manager of the global culinary institution Le Cordon Bleu, a lecturer with the University of Adelaide's Entrepreneurship, Commercialisation and Innovation Centre (ECIC) and a member of its Food Values Research Group.

While food has always been her passion, when Susie was fresh out of school her parents tried to steer her in a different direction.

"At some point one of my parents said to me they didn't think that food was going to make a good career for me," says Susie. "So I studied teaching and interior design before doing commercial cooking and ending up back where I always wanted to be."

Susie won the dux award in commercial cookery for most successful chef and then headed to the UK where she applied for the job as nanny at Blenheim Palace, the birthplace of Sir Winston Churchill.

"The Duchess of Marlborough interviewed me and said I believe you belong in the kitchen, and there I learnt how to cook game birds and all sorts of weird and wonderful things," says Susie.

The Duke and Duchess were keen entertainers and Susie found herself preparing banquets for a revolving door of famous people. After nine months she resumed her travels and ended up as a chef on the Grand Caymen Islands in the Caribbean.

They were experiences that proved invaluable when she returned to Australia and launched her own hospitality businesses on the Limestone Coast and Coonawarra.

"Running a restaurant is very hard work and it's difficult to make money, so you have to be really astute," she says. "I treated my restaurants as a tourism experience with the food all locally sourced, which made them unique at the time."

"The whole local food phenomenon then exploded and it was exciting being part of that."

Her restaurants won several tourism awards and she still owns the diVine Cafe in Penola, which she leases out.

Throughout her life Susie has always been prepared to challenge herself and has never been afraid to leap at opportunities as they arise. It's an attitude that resulted in her sudden switch into academia at the age of 47.

"I was flicking through a magazine and came across a scholarship for a Masters in Gastronomy at the University of Adelaide. The application involved writing an essay and I was so surprised that I did well because I hadn't studied for decades."

After graduating Susie won another scholarship at the University, this time for a Masters in Entrepreneurship and Innovation after she pitched a business idea relating to ethical foods. She graduated in the top 15 per cent of her class for both degrees.

By this stage Susie was hooked on study and research, so when one of her lecturers suggested doing a PhD on local foods in Australia she leapt at the opportunity.

The doctoral challenge was also a way of honouring her father Kevin Chant, a

farmer and community leader in their home town of Millicent.

"My father was forced to leave school early to work on the farm and he always felt he had missed out with his education," says Susie. "When I had the opportunity to do a PhD he was so excited for me and part of the reason I wanted to do it was I felt I was doing something for him as well."

Sadly, Susie's father was too unwell to attend her graduation ceremony last year and died a few weeks later.

But he was alive when her thesis, *A History of Local Foods in Australia 1788 – 2015*, was announced as the winner of a coveted Dean's Commendation for Doctoral Thesis Excellence.

Susie's research took her back to the beginning of European settlement in Australia when sourcing local food was a matter of survival.

"During my research I came across about 50 different concepts relating to local food which were really unique to Australia," says Susie. "Today people are very interested in eating different things for ethical reasons and they really care about what they eat and put into their bodies."

One of her next projects is to turn her thesis into a book.

"It's a really interesting story and I've been looking at ways of reworking it so that it appeals to a wider audience. I've done all the groundwork and have some good back stories, including my own personal journey."

Finding the time to write the book could be Susie's biggest challenge.

As the full-time Academic Manager of Le Cordon Bleu in Adelaide, part of her role involves managing relationships and professional development at Le Cordon Bleu schools in Kuala Lumpur, Bangkok and Madrid.

Susie describes her part-time role at the University of Adelaide as her own professional development.

She is a member of the Food Values Research group, which is involved in research projects that explore the historical, social, cultural and political aspects of food production and consumption, an area which ties in with her PhD studies, and lectures in food ethics and entrepreneurship for ECIC.

Food Innovator Dr Susie Chant
Photo by Chris Tonkin



Reuniting with the past

Armed with a first-class education, thousands of graduates pass through the doors of Bonython Hall every year ready to start or continue their careers.

Many graduates take the opportunity to return to the University to attend alumni reunion events to find out what has changed, renew old friendships or make new ones.

Throughout their careers our graduates travel far and wide as they pursue opportunities to seek new knowledge and experiences locally and overseas. According to Manager, Alumni Relations, Lisa Taplin, the chance to return to the University where it all began is something many graduates are choosing to take up, to reconnect with their past and each other.



“Graduates of the University enjoy revisiting the people and the places that made their time at University unique, reminiscing about days gone by, and reflecting on where life has taken them,” says Lisa.

Throughout the year, faculties and alumni networks from across the University host or support a number of reunion events. The most prominent of these is the Golden Jubilee, which sees the return of graduates 50 years after graduation.

“At the Golden Jubilee, in addition to a special sit-down lunch, alumni get to re-enact their graduation ceremony in Bonython Hall, complete with graduation gowns, the academic procession and the presentation of certificates,” says Lisa.

Last year saw the return of the Class of 1966, where Janet Crawford (nee Manuell) and Max Pfitzner were able to experience a graduation ceremony for the very first time.

“We didn’t have a graduation; it was something that we never got to have for completion of our Diploma in Physiotherapy – so it was lovely to finally experience it,” says Janet.

“I really enjoyed the ceremony: going into the hall, wearing our gowns, seeing other graduates receive their certificates from the Chancellor and listening to the speeches – it was very special.

“And of course – seeing the girls who Max and I trained with was also wonderful – and extremely emotional.”

For Max it was catching up with people he hadn’t seen since graduation that

made the day memorable – the people he studied with, but also those with whom he did extracurricular activities.

“Most of us had some extracurricular activities, like playing sports for the University, and so it was great to catch-up with people I played football, cricket and tennis with,” says Max.

“And 50 years on we all remember playing our sports much better of course, like champions.”

The Golden Jubilee was one of several reunion events that took place last year. Others included a reunion of engineering graduates from the Class of 1946 who celebrated 70 years since graduation, and the Roseworthy Old Collegians Association (ROCA) reunion dinner.

“We are looking forward to supporting many more reunion events for our alumni this year,” says Lisa.

“This year we will welcome the Class of 1967 back for their Golden Jubilee and host a reunion of economics graduates from 1974 – 1978.

“We are also supporting social and learning events presented by our alumni networks, and hoping to increase the number of networks locally and internationally, to bring our alumni together more often.”

The University’s Alumni Relations team is keen to support faculties or alumni who would like to organise a reunion. To find out more about how the alumni team can help please contact alumni@adelaide.edu.au

“I really enjoyed the ceremony: going into the hall, wearing our gowns, seeing other graduates receive their certificates from the Chancellor and listening to the speeches – it was very special.”

Above: The Class of 1966 reunite for their Golden Jubilee – 50 years since graduation.

Left: Diploma in Physiotherapy graduates from the Class of ‘66. Back (L to R) Dianne Fairhead (nee Skewes), Mary Withers (nee Barkley), Elizabeth Jackson (nee Askwith), Helen Reilly (nee McKenzie), Janet Crawford (nee Manuell). Front (L to R) Max Pfitzner, Anne Potter (nee Luke), Margaret Stokes (nee Hill), Phillipa Stuart (nee Richards), Patricia McClure (nee Barnett).

Photos by Jo-Anna Robinson

Mawson tip proves a masterstroke for Bill

When celebrated Antarctic explorer and University of Adelaide academic Sir Douglas Mawson offered advice, you tended to listen.

Young palaeontology graduate William Riedel certainly did and it took him down an unexplored path of study that continues nearly 70 years later.

"I'd started my postgraduate work at Adelaide and was still trying to figure out what fossils I was going to study," says Bill, now aged 89.

"Mawson had returned from his Antarctic expeditions with sediment samples from the ocean floor and was interested in getting people to work on the microfossils they contained.

"Radiolarians was one of those groups and no-one was studying them. It was a marvellous suggestion and the turning point in my life."

Radiolarians occur as zooplankton throughout the oceans and initially Bill was the only scientist studying their fossilised remains and evolutionary progress.

His research took him to Sweden's Oceanographic Institute in Gothenburg in 1950 and then to the Scripps Institution of Oceanography in La Jolla, California, where he remained for nearly 50 years.

With a colleague he initiated the idea of using a commercial drilling vessel to retrieve sediments from seabeds which provided a magnificent resource for studying radiolarian evolution.

Bill retired to the Barossa in 2000 – just five kilometres from where he was born – but the wealth of knowledge he has accumulated during his career is still in high demand. Only last year he was a guest speaker at TEDx Adelaide.

"I've had such a lucky life and I'm immensely grateful that Mawson suggested radiolarians. They are beautiful creatures and I've got to look at them all my working life. It's supported me very well, thank you."

"Now I'm here retired, in good health and having a great amount of fun."

And Bill is still studying "those little critters".

"There are said to be about 200 to 300 species of radiolarians in the tropics and I concentrated on about 50 during my working life. I still have 150 sitting there that I don't know anything about and I'm looking at those now to see what I can come up with."

Alumnus William Riedel giving a TEDx Adelaide talk.
Photo by TEDx Adelaide

Equipping students for the global stage

The notion of pursuing an academic career on the other side of the world was an unlikely option for Professor Pascale Quester when she began her business and marketing studies in the 1980s in France.

She says back then the possibility of studying abroad was rare and difficult and the globalisation of education was still in its infancy.

But that didn't stop her heading to the United States (US) and New Zealand to continue her studies on her way to becoming Deputy Vice-Chancellor of the University of Adelaide.

Her early experiences have provided the perfect grounding for Pascale who is now leading the University's push onto the global stage.

Significant steps are being made through the Study Abroad program, a leadership position in edX and its MOOCs program, and strategic partnerships with key universities around the world.

"Our future is going to be global, so to equip our graduates to be citizens of the future they need to be global citizens, there is no other way," says Pascale.

When Pascale first left France, Europe's successful Erasmus student exchange program had yet to be established. Now she says it is a completely mainstream way of constructing a degree.

"Here in Australia going overseas has been a much more involved process so it's taken that much longer for people to see the possibilities.

"In my mind a key graduate attribute is intercultural competence but it's very difficult for a person to imagine what it's like to be intercultural competent if they haven't at some point in their existence been the foreigner."

The University's Study Abroad program aims to provide that experience with an international student exchange target of 30 per cent.

Pascale believes the target is modest. In five years, the University has moved from 1 to 18 per cent and she sees no reason why it couldn't rise to 50 per cent or more.

Securing strategic partnerships with some of the world's leading universities to collaborate on research and education is also raising the University's global profile where it counts.

Adelaide is an active member of the AC21 international academic consortium and has established priority partnerships

with nine universities in Canada, China, France, Germany, Indonesia, Japan, the United Kingdom (UK) and US.

"We're not having a promiscuous relationship with just any university that comes knocking on our door," she says.

"In 2012 we recast our international strategy so that we're very purposeful in choosing strategic partners for the long haul – universities that have commensurate reputations, and compatible goals and values."

Another major initiative is the University's membership of edX, the non-profit open-source learning platform started by Harvard and MIT in the US.

edX is responsible for the delivery of MOOCs – Massive Open Online Courses – and Adelaide now delivers eight courses and boasts almost 400,000 learners worldwide.

Equally impressive, Adelaide has just been elevated to the top tier of the organisation as a Contributing Charter Member.

Award winning volunteers

From welcoming new international students and maintaining museum collections, to supporting our dental students and hosting public tours of Urrbrae House, our volunteers make a significant impact to the University in multiple areas.

To recognise and celebrate the exceptional contributions of our 2649 volunteers, the University's first Volunteer Achievement Awards was held at the end of 2016 at an event hosted by outgoing Vice-Chancellor and President, Professor Warren Bebbington.

2016 Volunteer of the Year

Geoff Nowak – Geoff has been a huge asset to the Roseworthy Agricultural Museum throughout his 10 years as Volunteer Museum Manager. In addition to supervising the opening of the museum to the public, he has worked tirelessly on maintaining and improving the collections, including the digital records, all of which have contributed to the museum's ongoing success.

Other nominees

- > Marilyn (Merry) Wickes, Hughes Bequest Program
- > Dr John Reed, Dental Outreach Program
- > Clare Murphy, University Collections
- > Peter McMillan, Talking With Aussies
- > Kevin Holohan, Adelaide University Sports (AU Soccer Club)
- > Brian Ward, University Collections
- > Joylene (Joy) Middleton, Waite Historic Precinct, Urrbrae House

2016 Student Volunteer of the Year

Jessy Pelham – Bachelor of Arts undergraduate Jessy has gone above and beyond in volunteering for the Talking With Aussies program, which matches locals with international students. He has even taken students to his hometown in the Riverland for a true Aussie country experience.

Other nominees

- > Laura Wilkinson, Adelaide Compass Program
- > Kahlia Allen, Health and Medical Sciences Senior Peer Mentor
- > Yao (Sharon) Xue, Confucius Institute Volunteer
- > Anmol Saini, Health and Medical Sciences Senior Peer Mentor



For more information on the winners and nominees visit www.adelaide.edu.au/volunteer or email volunteer@adelaide.edu.au



Top: Nominees and coordinators at the Volunteer Achievement Awards with outgoing Vice-Chancellor and President, Professor Warren Bebbington

Above: Jessy Pelham

University of Adelaide Alumni Networks

The University supports a number of alumni networks providing opportunities for career development, networking, maintaining and making friendships. Please stay in touch with news from your University. Here is a list and contact details for our current networks.

Adelaide University Sports

Adelaide University Sports, affectionately known as 'The Blacks' is open to students, alumni and staff. Catering for everyone from elite athletes through to social players and gym enthusiasts, the network facilitates and promotes participation in sport and recreation activities.

@ alumni@adelaide.edu.au
www.theblacks.com.au/

University of Adelaide Alumni Association Hong Kong Chapter

The Hong Kong Chapter has 250 members ranging from new graduates commencing their careers through to entrepreneurs and chief executive officers. The chapter connects with other Australian university groups in Hong Kong and Adelaide Chapters in China, and is for graduates living in or travelling to Hong Kong.

@ alumni@adelaide.edu.au
 f UAAA (University of Adelaide Alumni Association Hong Kong Chapter)
 in University of Adelaide Alumni Association Hong Kong Chapter

Adelaide University Alumni Association Singapore (AUAAS)

AUAAS was established to assist fellow alumni living and working in Singapore to retain their connection with the University. AUAAS collaborates closely with the University to offer alumni a range of social, networking and professional development events.

@ alumni@adelaide.edu.au
 f Adelaide University Alumni Association Singapore

Art History and Curatorship Alumni Network (AHCAN)

AHCAN is for graduates of the Art History and Curatorial and Museum Studies programs offered jointly by the University and the Art Gallery of South Australia. The network connects graduates with each other, to arts industry professionals, job opportunities and potential collaborators.

@ alumni@adelaide.edu.au

Friends of the Library

The Friends of the Library network promotes and fosters interest and support for the University's libraries. The network hosts a number of author events throughout the year for alumni, featuring notable writers from a range of genres.

@ alumni@adelaide.edu.au
www.adelaide.edu.au/library/friends/

John Bray Law Alumni Network

The John Bray Law Alumni Network is named in honour of the late Dr John Bray, former Chief Justice of the Supreme Court of South Australia. The network builds strong bonds between the profession, Adelaide Law School and the community, and hosts and supports events including the John Bray Oration and the Chief Justice's Shield Quiz Night.

@ alumni@adelaide.edu.au
 f www.facebook.com/JBLAdelaide

South Australian Universities Alumni Europe (SAUAE)

SAUAE hosts a range of events throughout the year for alumni living in Europe. Events include: quiz nights, Christmas parties, coffee and wine tastings, Vice-Chancellor and President visits, the Crows v Port showdowns (AFL), and guest lectures.

@ alumni@adelaide.edu.au
 f South Australian Universities Alumni Europe
 in South Australian Universities Alumni Europe

The Roseworthy Old Collegians Association (ROCA)

ROCA is the University's longest standing alumni network. By joining ROCA alumni can tap into a large network of past students and staff, receive reunion invitations and the bi-annual newsletter. Membership is open to anyone who has lived or studied at the Roseworthy campus, or been a staff member for at least one year.

@ alumni@adelaide.edu.au
www.adelaide.edu.au/roca/
 f www.facebook.com/rocagrad/

University of Adelaide Malaysia Chapter

The University of Adelaide Malaysia Chapter hosts networking events, career development programs and fun activities throughout the year for graduates living in Malaysia.

@ alumni@adelaide.edu.au
 f University Of Adelaide Alumni Malaysia

University of Adelaide North East USA Alumni Network

The North East United States Network promotes and supports social and professional connections and host activities to support the professional development of graduates living in the United States.

@ alumni@adelaide.edu.au
 in University of Adelaide North East USA Alumni Network

Wine Alumni

The Wine Alumni network brings together graduates past and present, and staff of wine-related disciplines of the former Roseworthy Agricultural College and the University of Adelaide. The network provides opportunities for graduates and staff to stay in contact with each other and keep up-to-date with wine-related activities at the Waite and North Terrace campuses.

@ alumni@adelaide.edu.au
www.adelaide.edu.au/wine-future/wine-alumni/

If you are interested in starting a network please contact alumni@adelaide.edu.au

DEVELOPING IDEAS FOR A DEVELOPING WORLD



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