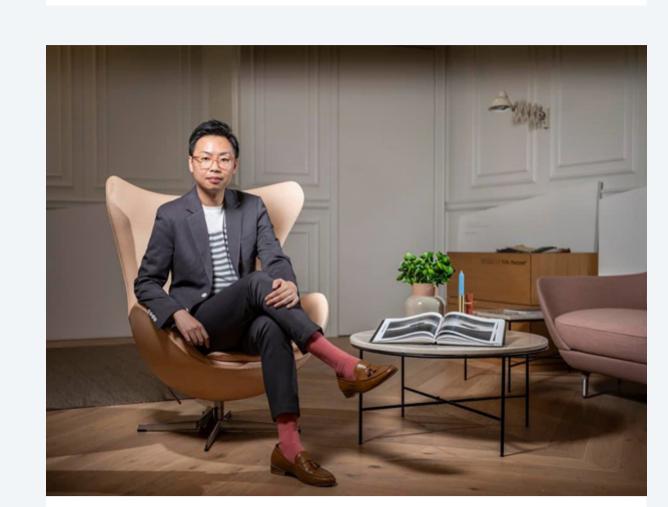


University of South Australia Alumni

## **Ground-breaking traumatic brain injury study** begins at UniSA

UniSA neuroscientist, Dr Frances Corrigan, will be heading a new research project to reduce risk of irreparable and life altering damage in children with Traumatic Brain Injuries, the leading cause of paediatric death and long-term disability, thanks to funding from the James & Diana Ramsay Foundation. more...



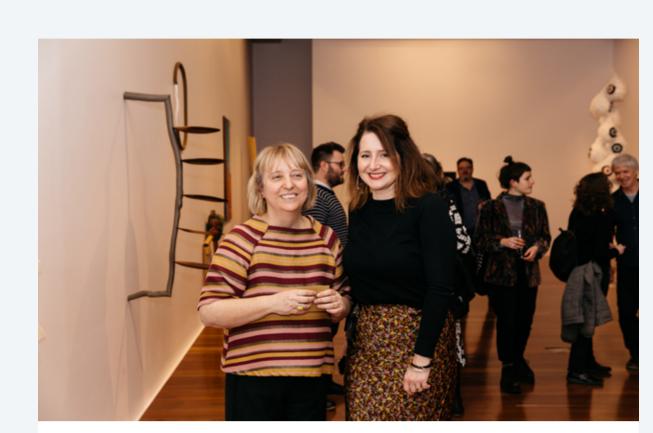


### An eye for the Hong Kong marketing business

In finding a niche within the lifestyle and design space – with an eye for beauty and knack for understanding the human psyche – UniSA's 5-Star MBA graduate, Ken Ip, is taking the Hong Kong marketing business by storm as a millennial on a mission. more...



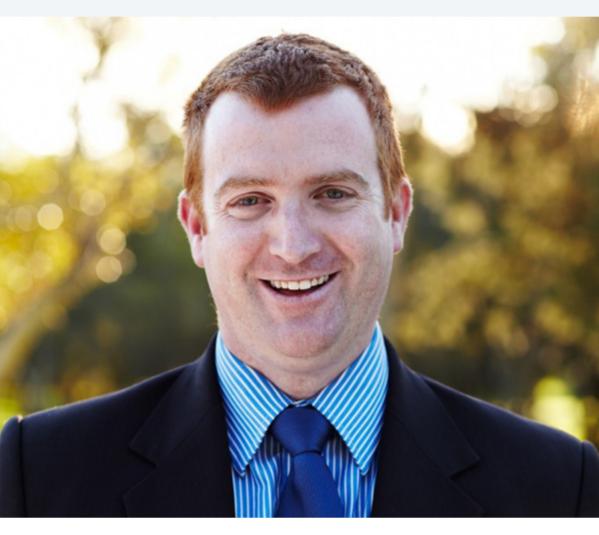




### **Louise Haselton in conversation with Gillian Brown:** like cures like

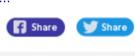
Louise Haselton is one of the University of South Australia's most celebrated and influential artists and was just named the 2019 SALA Festival Feature Artist to coincide with her new exhibition at the Samstag Museum of Art, like cures like. Curator Gillian Brown talks to her about her path so far. more...





## **1834 reasons to visit South Australia**

Here in SA we have a plethora of riches attracting visitors from all over the world to our shores and more invested than most in the flow of visitors around the state is Andrew Bullock, Tourism and Hospitality Management graduate, CEO of 1834 Hotels, and the new Chair of the South Australian Tourism Commission Board. more...





## A cup of Joe and you're good to go (Under 6 a day and you're A-OK)

Latte, cappuccino or short black, a morning coffee is an essential for many people looking to kick start their day. But while the humble coffee may be a vital feature of the daily grind, how much is too much? more...





## **Alumni Events 04** 2019 UniSA Nelson Mandela Lecture delivered by Sally Rugg

- The 2019 UniSA Nelson Mandela Lecture, delivered by Sally Rugg, discussing her book: How Powerful We Are: Behind the scenes with one of Australia's leading activists. How Powerful We Are is her manifesto for championing what
- you believe is right. **05** Spiritual Care - moment to moment Responding to spiritual needs is well recognised in government policy and best
- practice guidelines as part of a holistic approach to palliative care. But what do we mean by spiritual needs and the unpredictable and fluctuating environments of palliative care? **05** MBA Info Session
- Register to attend one of our MBA Information sessions and learn more about UniSA's 5-star MBA experience. Attendees will hear from academic teaching staff, current students, alumni and industry. **09** Online MBA Info Session
- Register for one of our Online MBA Information sessions and learn more about UniSA's 5-star MBA experience. Attendees will hear from academic teaching staff, current students, alumni and industry.
- **09** Women Empowerment and Islam The Hon Zuraida Binti Kamaruddin is the Minister of the Housing and Local Government, Ministry of Malaysia. In this lecture, Zuraida will share her personal
- experience and views as a woman minister, politician, wife and mother and on how the teachings of Islam guide her efforts in empowering women in Malaysia. **10** Enterprising Research Talk: Satellite Revolution Join Associate Professor Gottfried Lechner as he further explores this exciting
- area with industry partners and internationally-renowned entrepreneurs Dr Alex Grant, CEO of Myriota, and Dr Matthew Tetlow, CEO of Inovor. **12** Screening & Discussion with German Director Stefan Weinert
- Cologne-born Stefan Weinert is also internationally known for his work as a film and theatre. Stefan Weinert will present on his documentary work; including excerpts of the films and there will be the opportunity for the audience to ask
- **14** Narelle Autio in conversation with Tony Kearney South Australian photographers Narelle Autio and Tony Kearney discuss the practice of Sandra Elms and the photographs that comprise Closer, with curator
- Joanna Kitto. **26** Zephyr Quartet: Domestic Alchemy at Samstag Domestic Alchemy is a musical response to Louise Haselton's exhibition like
- cures like, written by Hilary Kleinig and performed amongst the artwork by Zephyr Quartet - a meditation that explores how repetition and observations SEP from different points of view create greater understanding. 'Friday Knock off's' hosted by BOSS
- Catch up with ex-scholars of the UniSA Building and Construction course, and industry colleagues, for a few cold ones at the West Oak Hotel, UniSA City West campus. Tickets: \$20 **24** MCIL Digital Trends Forum 2019 - Malaysia

### **OCT** Find out about the latest developments in IT Security and Cloud technologies at the MCIL Digital Trends Forum to be held in New World hotel, Petaling Jaya, with UniSA Malaysia Alumni Chapter Vice President Wai Kok as a featured

02 Louise Haselton: like cures like **AUG-** Coinciding with the publication of the 2019 SALA monograph focused on **27** Haselton, Samstag is proud to direct timely and important attention to an

**Exhibitions** 

- influential artist at a pivotal moment in her career. SEP Sandra Elms: Closer An exhibition at Samstag Museum of Art of works by the late South Australian
- **27** artist Sandra Elms that underscores the transportive possibilities of the photograph. SEP **04** Kamal Kamal will see Tutti Arts visual artists come together with the Sikh community to

explore the lotus flower and its place in Sikh culture. The artists have all faced adversity but, like the lotus, they strive for the light and create beauty through







OCT







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# **Ground-breaking traumatic brain injury study begins at UniSA**



Traumatic brain injuries (TBI) are the leading cause of death and disability in children here in Australia. Yet there is very little knowledge about what makes them so catastrophic for paediatric sufferers, and even less investigations into why and how.

TBIs are startlingly common. They can happen to anyone, at any time, with causes including falls, car accidents, assault, sport or being struck unexpectedly by objects. Children are among the most vulnerable and so is their fragile brain tissue and overactive inflammation responses.

That's why a team of South Australian neuroscientists and neurosurgeons, including UniSA's Dr Frances Corrigan, are teaming up to improve survival and recovery for children with a traumatic brain injury.

Their new research mission, the 'Paediatric Traumatic Brain Injury Project', was made possible thanks to funding from the James & Diana Ramsay Foundation (JDRF) and support from the NeuroSurgical Research Foundation (NRF).

The three-year funded project will test a promising therapeutic agent that could drastically reduce the devastating and irreparable damage in young head injury patients.

Led by UniSA neuroscientist and lecturer in Anatomy, Dr Frances Corrigan, the research will also utilise Australia's only pre-clinical paediatric brain injury model, developed in partnership with Adelaide University.



Dr Frances Corrigan in her lab at UniSA's Cancer Research Institute

"Paediatric head injury is a leading cause of death and long-term disability in children in Australia," says Dr Frances Corrigan who will work alongside Adelaide University neuroscientist Associate Professor Renee Turner and Adelaide neurosurgeon Associate Professor Amal Abou-Hamden on the project.

Each year around 3,700 Australian children suffer a head trauma that can lead to a severe brain injury possibly causing death or resulting in long-term disability. The younger the child, the higher the risk.

"Part of the problem is that brain trauma is incredibly complex to treat," says Dr Corrigan. "Particularly in

paediatric patients."

"There is a wide difference in how these injuries might present. As trauma to the brain could be caused by a fall, a motor accident or an assault.

"The body's natural response to any injury is to trigger an inflammatory response — we see this with a sprained ankle where it becomes red and swollen. Unfortunately in the brain this swelling, called cerebral oedema, can cause a second assault on delicate brain tissue.

Therefore, as the brain is housed in the rigid confines of the skull, there is no room for the brain to expand causing pressure to build that if not treated quickly and aggressively can cause further injury.

"As much as 60% of paediatric head injury patients' brains are affected by this swelling, but identifying which patients will be at risk of further injury due to this swelling is currently difficult," says Dr Corrigan.



[From left to right] NRF Secretary & Executive Officer Ginta Orchard, NRF President Professor Bob Vink, JDRF
Executive Director Kerry de Lorme, Associate Professor Renee Turner, JDRF Grants Manager Kiah Elsworthy, Dr
Frances Corrigan, and UniSA Pro Vice Chancellor: Health Sciences Professor Roger Eston at the official project
launch, 19 August

"An added difficulty in treating these children is that their brains react very differently to trauma than adult brains, so a lot of the research that has been done in this field may not apply.

"We know that a key inflammatory mediator Substance P is involved in promoting the influx of water into the brain after injury. Children naturally have higher levels of this molecule which could be why we see more swelling in child head injury patients than in adults."

"Using our pre-clinical model we will test if a highly promising therapeutic called an NK1 antagonist, which can stop substance P from binding to its receptor to stop this swelling and improve recovery outcomes."

Through this work the team will also seek molecular markers so children at higher risk of severe brain swelling can be identified for more aggressive treatment sooner in order to promote survival and recovery.

"Each year it is estimated that 10 million people suffer a traumatic brain injury," says Ginta Orchard, NRF Executive Officer. "Around 500,000 of these will be children, ranging from tiny babies to teens."

"Currently there are no therapies to salvage brain tissue and improve the odds that children with severe brain traumas will survive or go on to live without some level of cognitive impairment.

"We are extremely grateful to the James & Diana Ramsay Foundation for understanding the critical nature of this work and partnering with us to improve outcomes for these children."

UniSA Deputy Vice Chancellor Research and Innovation, Professor Simon Beecham says, "Thanks to the \$214,500 grant from the James & Diana Ramsay Foundation and the ongoing support of the NeuroSurgical Research Foundation this important work will help save young lives."

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## An eye for the Hong Kong marketing business



#### Ken Ip

Group Head of Marketing, B.S.C. Group Limited

Masters of Business Administration (MBA), International

Ken Ip has many talents. He's an accomplished musician – playing guitar, bass drums, and even beatboxing a little – a skilled Muay Thai boxer, a Wing Chun expert and instructor, a published author and columnist. But this wunderkind's marketing career is what has truly defied the odds.

With three degrees under his belt, all before the age of 3O, including the University of South Australia's 5-star MBA, Ken has ascended the Hong Kong business ranks at a remarkable pace.

The self-described storyteller became the Group Head of Marketing at the B.S.C. Group Limited, the construction and interior fittings supplier and lifestyle brand, in February of this year after holding high-powered positions in other design and architecture-focused firms as a young 3O something.

When asked about this meteoric rise, Ken remains humble and attributes it to luck, but it's clear he has a shrewd business mind and knack for the marketing industry, knowing when to strike.

"I'm not advocating that someone goes around blindly taking on risky endeavours. But there is the common saying that goes: fortune often favours the brave. It has kind of been my mantra all these years.

"It is the knowledge of calculated risk that is essential to move up in the corporate ladder.

"Challenges and pressure come as you climb the corporate ladder. It's just part of life. To me, when the tough gets going, I just go get tough.

"A lot of it would have to do with luck as well I would say," he adds.



This tenacity and ambition was clear from a young age when Ken experience some less than favourable treatment throughout his time travelling the globe as a school-aged child.

"As an Asian kid growing up overseas I got picked on quite often. So my parents decided I should learn something as self-defence," he says.

"Even still to this day, I would go play Muay Thai on a weekly basis, and often spar with pro and amateur fighters. I believe all these have keep me grounded and taught me to be respectful, to myself and others."

Ken quickly found his niche in the understanding of human behaviour and social dynamics, and though he initially studied psychology, this foundation was instrumental in his development as a marketing and business doyen.

"I always felt I had a knack of reading and empathising with people, and hoped I could save the world," he says.

"But as I got older, I realised that you needed to attain a certain kind of power and influence in order to start making a difference. Hence, I ventured into the world of business, marketing and communications."

The B.S.C. Group's goal is to 'enrich human spaces' and as a result has been instrumental in the construction in some of Hong Kong's most impressive commercial, hospitality and residential properties, including the Landmark Mall, The Murray, The Rosewood Hotel Hong Kong, The Ritz-Carlton in Hong Kong and The Four Seasons in Macau, Shanghai and Hong Kong.

They have also recently moved into the styling space with the distinctive concept lifestyle store, COLOURLIVING, in the heart of Hong Kong spread across three levels and 2,000-square-metres "to bring you the latest handpicked collectible or must-have treasure, transforming spaces into distinctive homes".

As part of Ken's role as the Group Head of Marketing, he oversees the advertising, brand building, and creative strategy of these different departments which also encompass the RocaConcepts and B&B Italia furniture brands as well.



COLOURLIVING's partnership with design and lifestyle guru, Alan Chan at their flagship Hong Kong store

"I often tell people that I do two things, and two things only. I'm a storyteller. I tell stories, to connect brands with audience, and audience with brands," he says.

"I sometimes think of it as being a celebrity agent. I help ensure my 'clients' are seen or being exposed in the right place, at the right time. Getting auditions for leading roles and opportunities to shine at the Oscars... so to speak."

When thinking back to his time studying the MBA with UniSA and he recalls very fond memories and how the experience played a big part in shaping how he now interacts and comprehends the world.

"The MBA at UniSA was probably the best thing that happened to me," he says.

"It made me into the person I am today. Surprisingly, it taught me more street smart in the business world than one would expect. It also helped me figure out what I want to do in my career, and for the rest of my life.

"I still to this day really value and appreciate the experience, support and friendships."

Ken's professional life and teachings in an industry that has shown him how to be mor

Ken's professional life and teachings in an industry that has shown him how to be more open-minded, less critical and more appreciative, recently culminated when he was lucky enough to be an honourable guest at the Digital Marketing Leaders Summit in Hong Kong.

"I recently had the chance to share the stage with my former boss at a Digital Marketing Summit," he says.

"He was someone I really looked up to and learnt a lot from, and we are now peers within the industry."

In such a short space of time, Ken Ip has truly come a long way, with not only his eye for design, but knack for marketing and the Hong Kong business industry.

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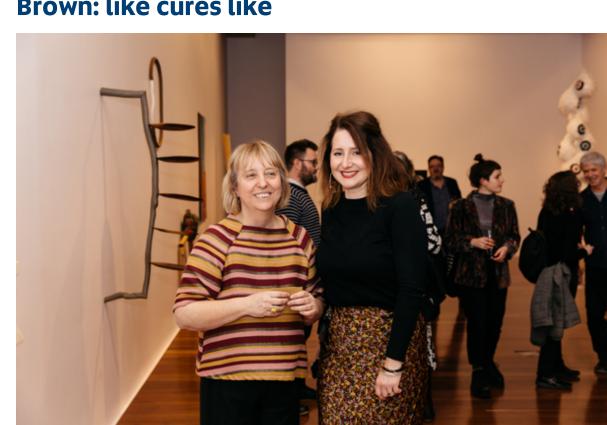
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# Louise Haselton in conversation with Gillian Brown: like cures like



Louise Haselton
2019 South Australian Living Artists (SALA) Festival, Feature Artist
Bachelor of Visual Arts (Sculpture)

perceived history.

University of South Australia (UniSA) Visual Arts Alumna, lecturer in the School of Art, Architecture and Design (AAD), and 2019 SALA Feature Artist, Louise Haselton, currently has an impressive exhibition of inspiring new work – *like cures like* – on at the Samstag Museum of Art, curated by Gillian Brown.

As one of the University's most prominent artists, over a twenty-five year period Haselton has established a predominantly sculptural practice utilising materials collected according to an affinity to form, surface or

The exhibition, titled *like cures like*, spans both floors of the gallery and features six ambitious new works along with earlier works dating from the 1990s. They demonstrate the way in which an artist's sensibility —



Installing Louise Haselton's like cures like, Samstag Museum of Art. Photo by Sia Duff.

Born in South Australia, Haselton initially studied English literature, education, and comparative religions at the University of Adelaide, before living and working in London in the 1980s. While teaching there, her interest in art was sparked in that city's museums and galleries, and she returned to Adelaide to study visual arts under artists Max Lyle, George Popperwell, and Fiona Hall at the University of South Australia.

Haselton had her first solo exhibition in Adelaide in 1993 before undertaking post graduate study in Melbourne, gaining a Master of Arts with a specialisation in sculpture from RMIT. Following that, she returned to Adelaide where she took up a fulltime teaching position here at the University of South Australia.

She has balanced that significant commitment to nurturing the next generation of artists here with a studio



Louise Haselton, Neither improvement nor decline, 2019. Photo by Sia Duff.

Each year SALA announces a Feature Artist to be the subject of a publication by SALA Festival Board in collaboration with the Government of South Australia and Wakefield Press. This year Louise Haselton was announced as the Feature Artist, as a renowned practicing artist working predominantly with sculpture and Studio Head of Sculpture and Installation in the School of AAD.

The publication, titled *Louise Haselton: Act Natural*, contains essays by Gillian Brown, Leigh Robb, and Jenna McKenzie and explores Haselton's unexpected, unconventional, and extraordinary oeuvre.

Below is an excerpt from the 2O19 SALA Monograph Launch, where Louise Haselton joined exhibition curator Gillian Brown in conversation at the Samstag Museum of Art as part of a series of artist talks in the West End Creative Precinct for SALA Festival.



Installing Louise Haselton's like cures like, Samstag Museum of Art. Photo by Sia Duff.

Gillian Brown: Louise, it might be good to start at the beginning. Were you always intent on working in

Louise Haselton: The short answer to that is 'no'. It was not in my thinking until I got to art school in my late 2Os. At that time, when I started studying visual art, as it was then known, I thought that to be an artist was to be a painter, and that's what I went to art school thinking that I would continue on with in painting studies.

But I left that pretty soon. After going to art school, I was introduced to all sorts of other mediums, approaches, ideas, and attitudes within contemporary art, so I loved working in a three-dimensional way

growing up.

I'd always been someone who had gathered, and made, and constructed, and built these silly, little things, but wasn't aware that that was something that could be professionally considered.

quite early on. And in a way, it was a way of going back to activities and things that I'd done as a child and

**Gillian Brown**: I'd like to ask you a little bit about that process because it's obvious that your materials inform your making and that research. You're drawn to 'secondary objects', objects that might be overlooked or maybe not quite fit for purpose. Would you agree?

**Louise Haselton**: Yes. I'm drawn to overlooked things; it's not a conscious seeking out of objects or materials with particular qualities. I think they are things that I select almost incidentally. Not really necessarily thinking, 'I'm going to go out and find this particular thing today'. But always with one eye, one part of my brain alert to the materials, the thingness of the world I live in. I'm just looking at some of the things I've chosen here. The things that I live with, and often, will see repeatedly, things that stay with me after I've left them, are things that I will go back to and consider for materials.

Often, things that maybe have been enacted upon by the environment or the world around us without my volition or control. I'm thinking particularly about this safety barrier fence [artwork *Fence for Friends*], which, until quite recently, was an object, which corralled me every time I went across Port Road to go to my supermarket.



Louise Haselton, Vagabond, 2019. Photo by Sia Duff.

And one day it had been clearly hit by someone going along, and I thought, 'That's quite fascinating'. I liked that sense of impact, that sense of history that it had. It was just lying, quite forlorn, on the side of the road, and I actually felt an empathy to the object, so gathered it up and worked with it. Thinking about that a bit further, I've used, for instance, shells in my work, which are the way they are because they have a specific function. They house an organism, they protect that organism, and the object itself is a by-product of that function that I could never make, that I could never design. So, it has this sense of design for a particular function. It's a pragmatic object, and something about that interests me.

**Gillian Brown**: It's interesting you mention shells, because that brings me to the next idea I wanted to explore, which is the repetition of materials in your works. For example, as a very clear example for us, sitting here, that denim is repeated through a number of works, or that colour, that denim blue, in particular, is repeated through a number of works. It also happens across time, for example, the very large ball, roll of sisal was used in your installation Magic Objects [at AGSA in 2016]. So, I was wondering, do those materials, or colours, or elements, do they carry the same meaning through your works, or do they change over time?

Louise Haselton: They have a thread running through them. They have a core or a continuum, I think, in a way. For instance, that rather magnificent ball of sisal there, I have used it once before in an artwork, and it didn't feel like it had been done with. It was still calling me back. It wanted another go. I didn't feel like I'd finished with it, or I'd done the best that I could, or worked it to its resolution in a way. So, you're right, I do hang on to things if I can, if storage space allows. This is one of the beauties of working in such a way, that piece can then be unassembled, possibly, and reworked down the track, as well. I do like the thought that artworks have this ongoing life and ongoing sense of potential or possibility about them.

# Louise Haselton: like cures like

Coinciding with the publication the 2O19 SALA Festival monograph, the Samtag

Museum of Art is proud to direct timely and important attention to an artist at a pivotal moment in her career, in a major exhibition that reflects our enthusiastic commitment to reciprocating the ambition of South Australian contemporary art and artists. like cures like is on until Friday 27 September 2019, entry is free.

For more information visit: www.unisa.edu.au/samstagmuseum.



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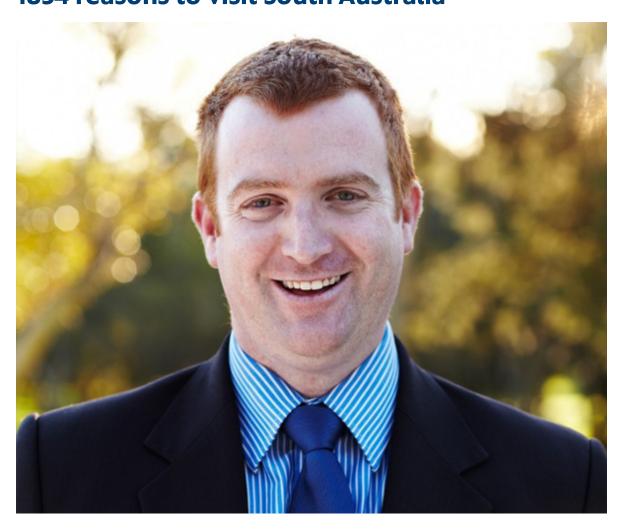
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### 1834 reasons to visit South Australia



**Andrew Bullock** Chief Executive Officer, 1834 Hotels - 1834 Hospitality **Chair, South Australian Tourism Commission Bachelor of Management (Tourism and Hospitality)** 

The South Australian tourism industry is thriving and passionate South Aussie, Andrew Bullock, has spent a good part of this century immersed in the business climbing the ranks at 1834 Hotels - 1834 Hospitality, formerly known as Country Club Hotels & Resorts.

This experience, and knack for knowing what makes our state great, has also made him the perfect fit for his newest role, the Chair of the South Australian Tourism Commission (SATC) Board.

Before Andrew was heading the SATC Board,he began his career at Country Club Hotels & Resorts in 2002 while still studying at UniSA.

Throughout the two decades he has been a part of the company, he has been instrumental in the growth and expansion of the company across Australia and responsible for generation of annual sales in excess of \$100 million.

The 1834 Hotels network is a "holistic management service" that offers a range of accommodation – including the Mayfair Hotel, The Meridien, the Barossa Weintal Hotel and even more cafes, restaurants and bars, golf courses, function and wedding venues – dotted both regionally and in capital cities throughout the country.



The Mayfair Hotel on King William Street in Adelaide

After initially starting out in sales, Andrew was eventually promoted to the Group General Manager, with this role encompassing all operational aspects of the group of hotels and resorts. But then in 2008, at 29-yearsold, he became the Chief Executive Officer after founder Ian Conolly, both a mentor and a friend, passed

Andrew still cites Ian, the banker turned manager, as "the most inspiring person he ever met" having had a significant impact his professional career and still holds his advice and guidance close to his heart.

"He taught me that you don't have to be a dictator in business to get positive outcomes, you need to be firm however positive outcomes are always possible with a positive outlook," he says.

As CEO, Andrew led the company through a number of developments and its increasingly diverse portfolio. When he started, the chain managed a network of four hotels – this number has now grown to 23. And now with almost 1000 staff employed under the 1834 banner, it makes them one of the largest regional tourism employers in South Australia.

Andrew didn't always imagine himself playing such a pivotal role in the tourism sector though. It was only after becoming involved in the industry that he realised he had a passion and inherent knack for it.

In his two decades with the company, Andrew says the best part of his job has been the opportunity to work with the wide range of people he's been in contact with and he's particularly proud of watching the 1834 group develop and grow.



"I spent some time in sales initially before becoming involved at a more senior management level," he says. "I became very enthusiastic about tourism and hospitality in South Australia for a number of reasons. As well as the terrific growth we have seen in recent years, one of the most exciting prospects is the capacity we have for further growth."

having that background from UniSA has allowed me to progress much quicker in my career and

"I often find myself thinking back on theory that I learned at uni and now use in day-to-day work. I believe

On top of his work managing the operations and finances, and devising key business strategies for revenue growth at 1834 Hotels, last month Andrew was officially named as the Chair of South Australian Tourism Commission (SATC) Board.

Here he will use his extensive experience and knowledge of the sector to fulfil the SATC's mission to make South Australia a destination of choice for international and domestic visitors.

"Tourism is one of the most exciting industries to be a part of. For me one of the great advantages is the economic benefits it provides local economies by being a reliable and sought-after exporter of goods," he

The visitor economy created by tourism is important because much of the economic benefit it brings to the state flows to regional communities and also has a positive impact on other industries such as agriculture,

wine, retail, education, real estate and transport. Looking forward, Andrew believes that nationally we are at the cusp of further strong growth in the



The Clare Valley Riesling Trail. Photo by SA Tourism Commission

"China is in incredible growth, now our challenge as a country is to ensure we continue to get our market share internationally and grow that market share," he says.

"In South Australia the story is similar – we have seen terrific growth – now our challenge is to grow that further and see a greater market share of visitation to Australia visiting South Australia.

"As a potential net exporter the benefit and opportunity for the state is significant and in particular with the regional dispersal that tourism provides, we can see economic growth in regional South Australia from

"Tourism can also become the jobs of the future in areas that otherwise have limited opportunity." He's right – who doesn't want to go on a holiday?

As a seasoned tourism professional Andrew also knows a thing or two about hidden gems around the state

too. He recommends the Riesling Trail next time you are looking to experience the best South Australia has to offer.

"There are so many wonderful spots in South Australia it would be hard to pick just one! I do have a soft spot for the Clare Valley — I think the opportunity to ride a bike along the Riesling Trail and pop into a few wineries on the way is such a terrific experience."



international markets.

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# A cup of Joe and you're good to go (Under 6 a day and you're A-OK)



While the pros and cons of drinking coffee have been debated for decades, new research from the University of South Australia reveals that drinking six or more coffees a day can be detrimental to your health, increasing your risk of heart disease by up to 22 per cent.

In Australia, one in six people are affected by cardiovascular disease. It is a major cause of death with one person dying from the disease every 12 minutes. According to the World Health Organization, cardiovascular disease is the leading cause of death, yet one of the most preventable.

Investigating the association of long-term coffee consumption and cardiovascular disease, UniSA researchers Dr Ang Zhou and Professor Elina Hyppönen of the Australian Centre for Precision Health say their research confirms the point at which excess caffeine can cause high blood pressure, a precursor to heart disease.

This is the first time an upper limit has been placed on safe coffee consumption and cardiovascular health.

"Coffee is the most commonly consumed stimulant in the world – it wakes us up, boosts our energy and helps us focus – but people are always asking 'How much caffeine is too much?'" Prof Hyppönen says.



UniSA Professor Elina Hypponen, Centre Director: Australian Centre for Precision Health

"Most people would agree that if you drink a lot of coffee, you might feel jittery, irritable or perhaps even nauseous — that's because caffeine helps your body work faster and harder, but it is also likely to suggest that you may have reached your limit for the time being.

"We also know that risk of cardiovascular disease increases with high blood pressure, a known consequence of excess caffeine consumption.

"In order to maintain a healthy heart and a healthy blood pressure, people must limit their coffees to fewer than six cups a day — based on our data six was the tipping point where caffeine started to negatively affect cardiovascular risk."

Using UK Biobank data of 347,077 participants aged 37-73 years, the study explored the ability of the caffeine-metabolizing gene (CYP1A2) to better process caffeine, identifying increased risks of cardiovascular disease in line with coffee consumption and genetic variations.

Prof Hyppönen says that despite carriers of the fast-processing gene variation being four times quicker at metabolising caffeine, the research does not support the belief that these people could safely consume more caffeine, more frequently, without detrimental health effects.

"An estimated three billion cups of coffee are enjoyed every day around the world," Prof Hyppönen says. "Knowing the limits of what's good for you and what's not is imperative.

"As with many things, it's all about moderation; overindulge and your health will pay for it."



#### Back to Alumni News

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