

World
Science
Festival
Brisbane

22–26 MARCH 2017

PRESENTED BY QUEENSLAND MUSEUM

Taking science out of the lab and on to the streets.

PROGRAM GUIDE

Welcome



It's thrilling to deliver another full program of exciting events championing the wonder of science.

The Queensland Museum Network is on a quest to inspire international and local audiences with exhibitions rich in cultural and intellectual value. The World Science Festival Brisbane is yet another example of how we aim to entangle the community with science and our collections.

Last year, the World Science Festival Brisbane attracted people from 10 countries, from leading scientists and thought-leaders to students, tourists, local families and community groups. It also inspired conversations and collaborations and had a positive impact on the city long after the Festival ended.

In 2017, World Science Festival Brisbane will host a stellar line-up of international physicists, marine biologists, environmental scientists and extraordinary thought-leaders for five days of thought-provoking discussions, interactive workshops, and theatrical performances that will inspire inquisitive minds of all ages.

Our local and international guests will examine groundbreaking discoveries; demonstrate extraordinary scientific experiments, and share centuries of mind-boggling knowledge and insight.

In its second year, this landmark event will explore four themes: Physics + Space – the study of matter and its motion through space; Oceans – the health of our marine environment and the challenges facing water supply and sustainability; Energy – alternatives, supply and diversification; and Robotics – engineering, computers and artificial intelligence.

As a scientist, it's truly an honour to support efforts to encourage the future leaders of this world and build on the cultural identity of Queensland Museum, the city and the state. We hope the World Science Festival Brisbane 2017 provides you with a memorable experience.

Come along, get involved, discover and help us rethink science.

Professor Suzanne Miller
CEO and Director,
Queensland Museum Network
and Queensland Chief Scientist



Welcome to Queensland for the nation's biggest celebration of science – the World Science Festival Brisbane 2017.

Over the five days of the Festival, audiences from across Australia and the Asia Pacific will marvel at the ground-breaking innovations and discoveries of some of the world's leading scientists, engineers, mathematicians and innovators, as well as gain an insight into the science of tomorrow and its potential leaders.

It is an extraordinary event that intersects science, art, performance, education and technology. It is no surprise that an audience of more than 120,000 took part last year, injecting more than \$5.1 million into the state's economy.

As importantly, World Science Festival Brisbane inspires our own home-grown STEM leaders, showcases our world class research, celebrates Queensland scientists and innovators and helps us further our Advance Queensland programs to create knowledge-based jobs for the future and a workforce ready for its challenges and opportunities.



We are delighted that this year, the Festival reaches far beyond Brisbane with programming in Chinchilla, Gladstone, Toowoomba and Townsville, so Queenslanders across our state can get hands on with science and engage with the scientific leaders that are shaping our tomorrow.

The Queensland Government, including through Tourism and Events Queensland's *It's Live! in Queensland* major events calendar, is proud to support the World Science Festival Brisbane 2017.

We hope you have an enlightening and enjoyable time at the Festival exploring the wonders of science and we encourage visitors to Brisbane to stay and explore the unique experiences Queensland has to offer.

The Hon. Anastacia Palaszczuk
Premier of Queensland and Minister for the Arts

The Hon. Kate Jones MP
Minister for Education and Minister for Tourism,
Major Events and the Commonwealth Games



Welcome to Brisbane, Australia's New World City and the second World Science Festival Brisbane.

With ground-breaking technology and the scientific community's leading minds, World Science Festival Brisbane connects the city with ideas and technology of the future.

From mobile tech start-ups to life-changing advancements in healthcare, our appetite for science and track record in innovation makes Brisbane the perfect host for this exciting festival. We're very proud to be the only city outside of New York to do so.

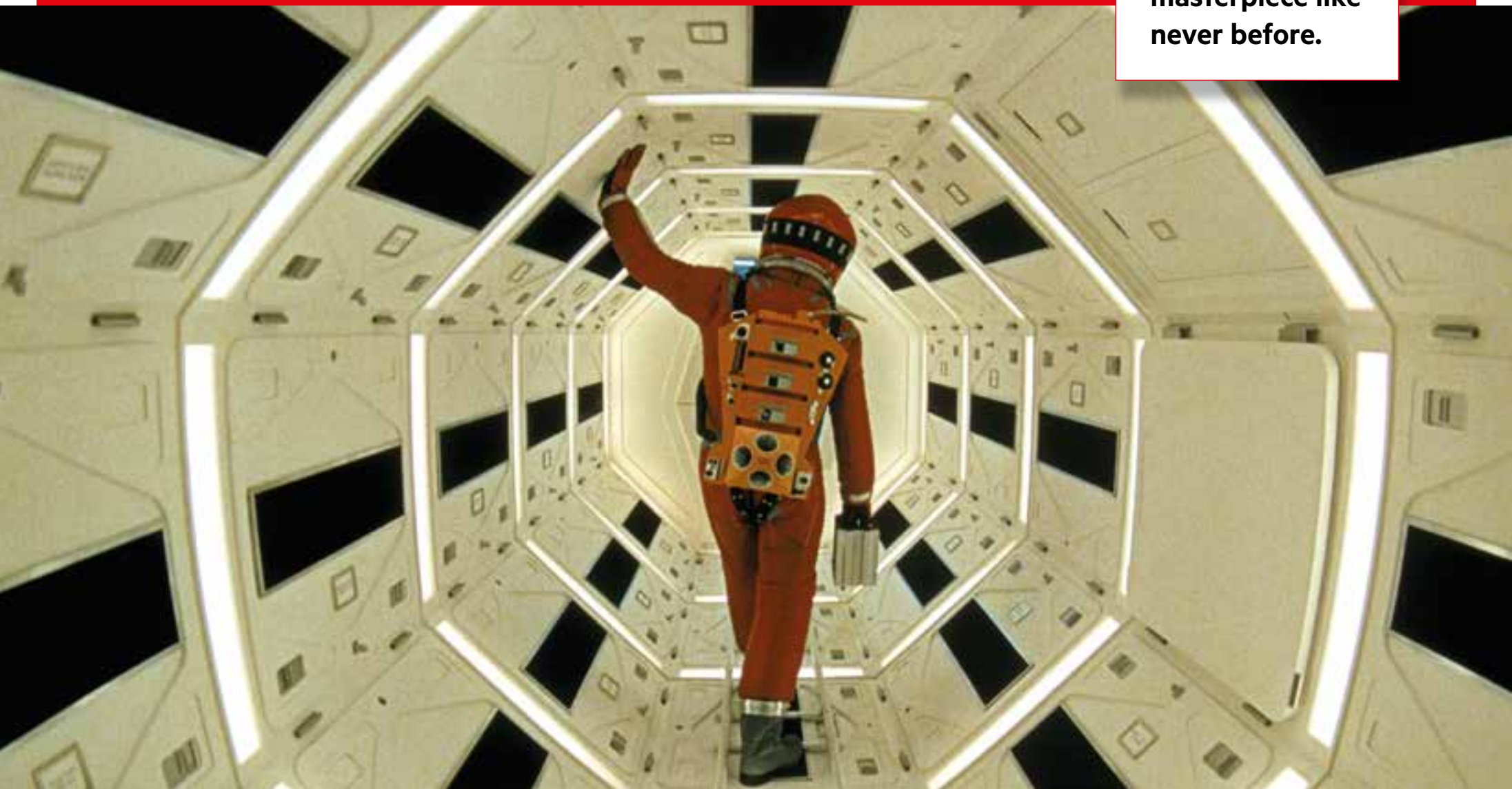
I encourage you to explore the festival's exciting events and experience the full breadth of the program, including gripping debates, theatre, interactive experiments, musical performances and major exhibitions.

Enjoy the World Science Festival Brisbane and while here I invite you to explore all that our wonderful city has to offer.

Graham Quirk
Lord Mayor of Brisbane

Special event

Don't miss this rare opportunity to experience this cinematic masterpiece like never before.



Queensland Museum and QPAC in association with Warner Bros., Southbank Centre London and the British Film Institute present:

A LIVE PRESENTATION OF 2001: A SPACE ODYSSEY

In a Queensland first, the 2017 World Science Festival Brisbane will screen Stanley Kubrick's seminal masterpiece *2001: A Space Odyssey*, with the ground-breaking score performed live by Queensland Symphony Orchestra with the Australian Voices choir.

Released almost 50 years ago, Kubrick's *2001: A Space Odyssey*, which he co-wrote with prolific science fiction author and futurist Arthur C. Clarke, is one of the most influential works in cinema history and consistently ranks among the top ten films of all time.

A beautiful blend of science and art, known for its technological realism and creative audacity, *2001: A Space Odyssey* is a futuristic exploration of existentialism, human evolution, technology, artificial intelligence and extraterrestrial life.

Nominated for four Academy Awards, and winning for visual effects, its ground-breaking soundtrack is among its many distinctive features. The first and last 20 minutes of the film are dialogue free and the inventive use of classical music includes the *Gayane Ballet Suite*, *Iso sprach Zarathustra* and, most memorably, the ultimate space waltz of *The Blue Danube*.

Under the baton of internationally-renowned conductor Marc Taddei, the Queensland Symphony Orchestra and Australian Voices choir will bring yet another dimension to this revered cult classic in a live orchestral and choral performance of Kubrick's final score delivered in the rich quality of surround sound.

Wednesday 22 March 2017, 7.30pm

Thursday 23 March 2017, 1.30pm and 7.30pm

Concert Hall, QPAC

\$70-125/\$60/\$50



With a range of free and ticketed events for the whole family, the 2017 World Science Festival Brisbane promises five days and nights of excitement, discovery, exploration and entertainment – all designed to feed curious minds and challenge our perceptions of the world.

World famous physicist and Festival co-founder Brian Greene will explain how gravitational waves can be used to explore the universe in a new era of astronomy. Australia's own Dr Karl will be on-hand to answer those profound mysteries of life, and particle physicist Dr Harry Cliff, co-curator of the *Hadron Collider* exhibition from the Science Museum, London, will share his thoughts on the world's greatest experiment on show at Queensland Museum.

Throughout March, the Festival will expand its reach across Queensland with a fantastic regional program visiting Gladstone, Townsville, Chinchilla and Toowoomba.

Don't miss your chance to join the festivities as Queensland comes together to rethink science.



OCEAN ACTION: Can Science Save this Precious Environment?

As the impact of industrialisation flows into our ocean, what action can humankind take to address the devastating environmental effects?

Climate change, acidification, overfishing, habitat destruction, population growth and plastic pollution are just some of the factors affecting the health of our marine environment. However, data analytics and sophisticated surveillance along with innovations in bio-monitoring and ‘smart’ engineering may improve our ability to address future challenges.

Our panel of environmental experts examines how human ingenuity and innovation might hold the key to preventing further damage.

PARTICIPANTS

Rod Connolly
Arnold Dekker
Tanya Ha
Emma Johnston
Gretta Pecl

Sunday 26 March 2017, 10.00am – 11.30am
Concert Hall, QPAC
\$35/\$30



MICROPLASTICS: A Macro Problem

It’s difficult to imagine a life without plastic. But what if the alternative is a life without oceans?

The aggregated waste of modern living is choking entire marine ecosystems. Plastics and their degraded version, microplastics, are one of the major threats to our oceans, and their clean-up poses a giant engineering and logistical challenge. Microplastic particles are infiltrating even the most remote waters, disrupting the marine food chain and leaching toxins into delicate ecosystems.

Our panel of leading environmental thinkers discusses what can be done to counter this compounding and devastating issue.

PARTICIPANTS

Mark Browne
Jon Dee
Tanya Ha
Gay Hawkins
Tony Roberts

Sunday 26 March 2017, 12.30pm – 2.00pm
Cremorne Theatre, QPAC
\$30/\$25/\$10



WATER: It’s Not a Privilege

Despite adequate water supply to sustain our current population, more than 1.2 billion people lack access to clean drinking water.

In 2014, the United Nations set a 2030 target for achieving universal and equitable access to safe and affordable drinking water for all. The challenge is complicated by the complex interplay of profit, politics and pollution, along with climate change, population growth and agricultural expansion.

Water experts from around the globe discuss transformative technologies, data analytics and engineering innovations that could democratise access.

PARTICIPANTS

Stuart Bunn
Paul Greenfield
Andras Szöllösi-Nagy
Poh-Ling Tan
Charles Vörösmarty

Wednesday 22 March 2017 7.30pm – 9.30pm
Cremorne Theatre, QPAC
\$35/\$30/\$10



WATER TALKS

Join *The Age* science journalist Peter Spinks and special guests for your daily dose of water wisdom in celebration of **World Water Day** Wednesday 22 March.

Held daily throughout the Festival, the *Water Talks* series will examine some inspirational successes as well as the current impediments to the United Nation’s Global Sustainability Goal #6 for clean, accessible and sustainably managed water for all by 2030.

See More and Save

Book the full series of four Water Talks and receive one session FREE.
Savings are also available on bookings of two or three sessions.
See website for full details.

WATER TALKS:

The Dirt on Water and Disease
Wednesday 22 March 2017, 12.30pm

WATER TALKS:

Engineering the Solutions
Thursday 23 March 2017, 12.30pm

WATER TALKS:

Other Worldly Water

Friday 24 March 2017, 12.30pm
The Inconvenient Truth of Bottled Water
Saturday 25 March 2017, 12.30pm

The Edge, SLQ
\$20/\$15/\$10



UNDER THE MICROSCOPE: Pioneering Women in Science

In the footsteps of Marie Curie, Jane Goodall and Mary Jackson, contemporary women of science share their stories of struggle and success.

Join ABC's **Geraldine Doogue** to discover how these driven and exceptional individuals forged their way to the top of their professions through personal revelations of success, perseverance, Eureka moments and confessions of experiments they might rather forget.

This inspiring event will include a presentation of the 2017 Queensland Women in STEM Prize: a national competition recognising pioneering women in STEM.

PARTICIPANTS

Emma Johnston
Suzanne Miller
Kerrie Wilson

Sunday 26 March 2017, 3.30pm – 5.00pm
Concert Hall, QPAC
\$35/\$30/\$10



THE FUTURE IS IN GOOD HANDS: A Next Generation Perspective

Four of the brightest young scientific minds from around the world are taking on global challenges with enthusiasm, innovation and maturity as they prepare to accept the baton from our current international experts.

In conversation with renowned Australian Nobel laureate Professor **Brian Schmidt**, these next generation pioneers will discuss the future of scientific innovation from the perspective of those whose lives will depend on it.

PARTICIPANTS

Hannah Herbst
Maxwell Loughan
Taj Pabari
Tristan Pang

Friday 24 March 2017, 6.00pm
Conservatorium Theatre, QCGU
\$35/\$30/\$10



ON OR OFF THE GRID: Securing Australia's Energy Future

Imagine a future when fossil fuels remain underground and consumers are in more control of their energy supply and usage.

The global shift towards a natural and sustainable energy economy is also driving a move away from centralised energy distribution. Our cities, electricity systems and technologies will be 'smarter', enabling greater efficiencies and environmental advantages. So, what does this mean for the average Australian?

Our panel of energy experts, economists, entrepreneurs and environmentalists will chart a possible journey towards a secure energy future for Australia.

PARTICIPANTS

Chris Greig
Chris Luebke
Raymond Pratt
Laura Tyler

Friday 24 March 2017, 3.30pm – 5.00pm
Cremorne Theatre, QPAC
\$30/\$25/\$10



TOWARDS 2050: Renewing Energy Expectations

Can we achieve global carbon neutrality by 2050, and what will it take to get there?

As revolutionary technology makes renewables more reliable, accessible and affordable, global investment in clean energy continues to hit record levels. The transition to renewable energy is gathering speed worldwide and more nations are reporting fossil fuel-free energy days.

Our panel of experts contemplates the complete disruption of our current model of energy generation, and propose how industry, government and individuals can adopt the behavioural changes necessary for the new energy economy.

PARTICIPANTS

Peta Ashworth
Kobad Bhavnagri
Alan Finkel
Ian Gardner
Robyn Williams
Graham Winkelman

Saturday 25 March 2017, 2.00pm – 3.30pm
Concert Hall, QPAC
\$35/\$30



**SCIENCE AND FAITH:
A Comfortable Coexistence**

While science explores the how, what and when of the world, faith seeks to explain why.

Scientific discovery and spiritual faith have one unassailable commonality – they both strive to frame the natural structure of the cosmos. Could recent cosmological discoveries about the birth of our universe – gravitational waves, Higgs boson, the Big Bang – finally provide the order and ‘truth’ sought by scientists and spiritual leaders alike?

Our panel of experts explores how, in this technological age, the philosophies and practices of diverse religious faiths co-exist with the highly empirical world of science.

PARTICIPANTS

Thomas Aechtner
Peter Bruza
Ken Freeman
AC Grayling
Zuleyha Keskin
Rachael Kohn

Saturday 25 March 2017, 5.00pm – 6.30pm
Conservatorium Theatre, QCGU
\$35/\$30



**WHEN SCIENCE MEETS ART:
An Enduring Entanglement**

History suggests that art and science have always been symbiotic partners in the advancement of humanity. But do we value them equally?

Since the dawn of civilisation, artists and scientists have supported each other’s endeavours and shared a role in constructing, recording and advancing our universe. Now more than ever, practitioners and educators value the role of creativity in communicating the dynamic changes inherent in a technologically advanced globalised society.

Our multidisciplinary panel explores whether the marriage between art and science can ever be one of equals.

PARTICIPANTS

Drew Berry
Marcello Costa
Marco Leona
Judith McLean
Adi Paterson

Sunday 26 March 2017, 12.00pm – 1.30pm
Conservatorium Theatre, QCGU
\$35/\$30



**DEGAS REVEALED:
The Science Behind the Art**

In 2016, Australian scientists revealed the hidden image beneath Edgar Degas’ ‘Portrait of a Woman’.

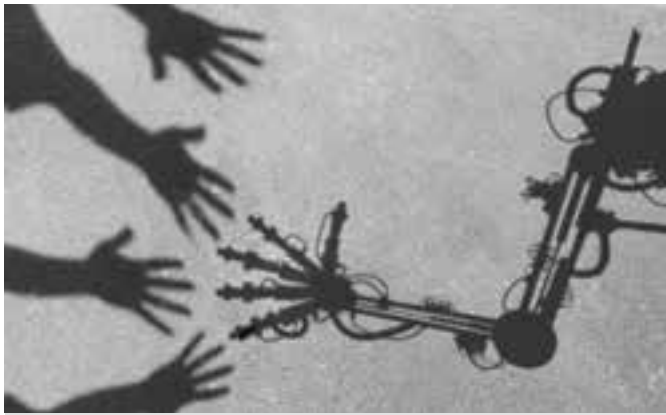
When the Australian Nuclear Science and Technology Organisation and the National Gallery of Victoria collaborated to reconstruct a long-suspected image hidden beneath Degas’ 1870s brushstrokes, they harnessed an advanced fluorescence mapping technique and an X-ray beam one million times brighter than the sun.

The team behind this remarkable revelation share their experience of discovery and discuss new technologies that are transforming forensic curation in the art world and beyond.

PARTICIPANTS

Marco Leona
Andrew Peele
Michael Varcoe-Cocks

Sunday 26 March 2017, 3.30pm
Cremorne Theatre, QPAC
\$30/\$25/\$10



**FRANKENSTEIN ANXIETY:
Robotics and the Replacement
of Ourselves**

Robots of the 21st century are taking their place in society alongside humankind.

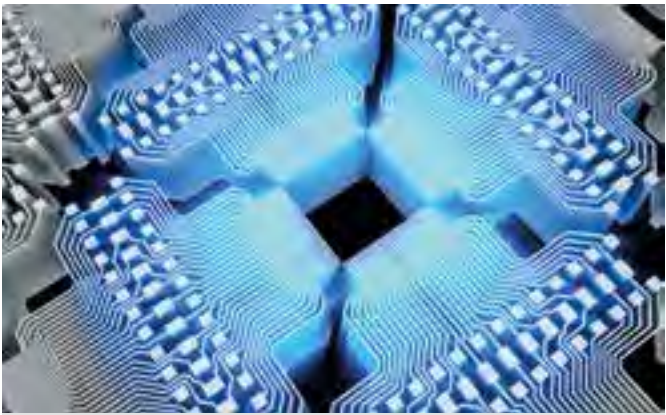
Robotic automation is already indispensable across many labour markets, with ‘bots’ outperforming humans on precision, endurance and economic advantage. More recent robotic technology is venturing past the physical to those very qualities that define us as human, including the ability to learn and to comprehend emotion.

Our distinguished panel of thinkers, dreamers and realists contemplate our coexistence with these human-like companions.

PARTICIPANTS

Peter Corke
Graham Phillips
Rob Sparrow
David Tuffley
Mary-Anne Williams

Thursday 23 March 2017, 7.30pm – 9.00pm
Conservatorium Theatre, QCGU
\$35/\$30



**THE NEW NORMAL:
The Quantum Age of Computing**

Are we ready to take this quantum leap?

Quantum technology promises everything from improved traffic flow to faster gene sequencing and targeted pharmaceutical research. Alarming, it also has the potential to render current encryption codes not so cryptic, which would threaten cybersecurity for websites, internet, cloud-based and mobile communication providers.

In this forward-thinking discussion, some of the leading lights of the quantum age of technology examine the opportunities and challenges posed by this brave new world of computing.

PARTICIPANTS

Joanna Batstone
Hugh Bradlow
Andrea Morello
Vikram Sharma
Andrew White
Robyn Williams

Thursday 23 March 2017, 10.00am – 11.30am
Cremorne Theatre, QPAC
\$35/\$30/\$10



**STAYING CONNECTED:
A Privacy Crisis**

Technological advances are challenging our expectations of privacy. Is ‘unplugging’ the only alternative?

Public surveillance, cybercrime and metadata retention each affects our right to privacy and impacts the way we live our increasingly connected and digitally documented lives. Balancing the security needs of the many against the rights of an individual is a challenging dilemma.

Our hyper-vigilant panel of technological and social commentators delves into a modern-day crisis that is redefining our public and private worlds, online and off.

PARTICIPANTS

Hugh Bradlow
Suelette Dreyfus
Linda Jaivin
Tim Wellsmore
Robyn Williams

Thursday 23 March 2017, 6.00pm – 7.15pm
Cremorne Theatre, QPAC
\$30/\$25/\$10



WE DON'T KNOW WHAT WE DON'T KNOW: Big Science, Big Rewards

Funding for scientific discovery and application is under increased pressure. Can Big Science help prioritise investment to discover what we don't know?

Science's contribution to a productive economy, healthy population and sustainable world often takes decades to play out and is difficult to price into tight funding budgets. Enter Big Science: the commitment of millions of dollars to expensive and often long-term research projects whose potential benefits to science and society cannot be guaranteed.

Our panel of distinguished scientific leaders dissects the challenges facing scientific discovery and the ongoing quest to explore the unknown.

PARTICIPANTS

Barry Barish
France Córdova
Alan Finkel
Anne Kelso
Adi Paterson
Robyn Williams

Saturday 25 March 2017, 7.00pm–8.30pm
Concert Hall, QPAC
\$35/\$30



PIONEERS IN SCIENCE: Great Minds Inspire Greatness

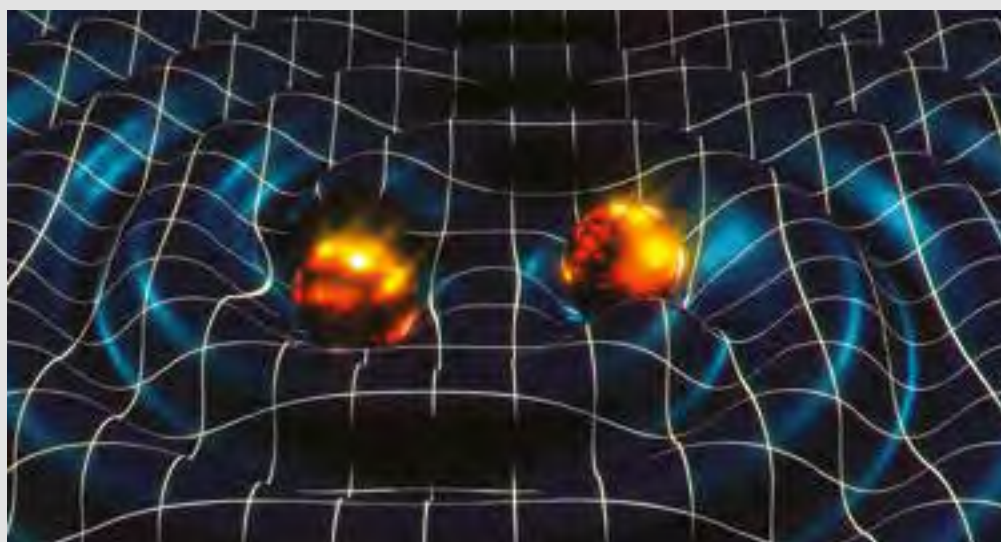
Gain privileged access to some of the world's most renowned scientists who will share personal stories, life challenges and career highlights, giving the audience a chance to imagine what their future in science might be.

The Pioneers in Science program gives high school students, in person and online, access to some of the world's most renowned scientists.

This year our special guest is Professor Ian Frazer who pioneered the development of the cervical cancer vaccine known as Gardasil. Professor Frazer was also the founding Chief Executive Officer and Director of Research for the Translational Research Institute (TRI) and has won many prestigious awards including the 2006 Australian of the Year.

This intimate gathering allows students to address some of the most important topics in science with Professor Ian Frazer, who will share his personal stories, life challenges, and career highlights, giving students a chance to imagine what their future in science might be. Recommended for students in Years 9 to 12.

Friday 24 March 2017, 11.30am
Cremorne Theatre, QPAC
\$10



GRAVITATIONAL WAVES: A New Era of Astronomy Begins

On 14 September 2015, a ripple in the fabric of space, created by the violent collision of two distant black holes over a billion years ago, washed across the Earth.

As it did, two laser-based detectors – one in Louisiana and the other in Washington State – momentarily twitched, confirming a century-old prediction by Albert Einstein and marking the opening of a new era in astronomy. Join some of the very scientists responsible for this most anticipated discovery of our age and see how gravitational waves will be used to explore the universe like never before.

PARTICIPANTS

Barry Barish
David Blair
France Córdova
Brian Greene
Brian Schmidt

Saturday 25 March 2017, 10.00am–11.30am
Conservatorium Theatre, QCGU
\$35/\$30



CONSTELLATIONS by Nick Payne

Every moment shared is at the mercy of the infinite and unknowable universe.

After sold-out seasons in New York and London, playwright Nick Payne's critically-acclaimed romance, *Constellations*, makes its Queensland premiere.

For two nights only, playwright Nick Payne and World Science Festival co-founder and physicist Brian Greene take to the stage post-performance to discuss our current understanding of the multiverse, what mysteries remain, and why this theory captivated Payne's imagination inspiring this theatrical tour-de-force.

PARTICIPANTS

Brian Greene
Nick Payne

CAST

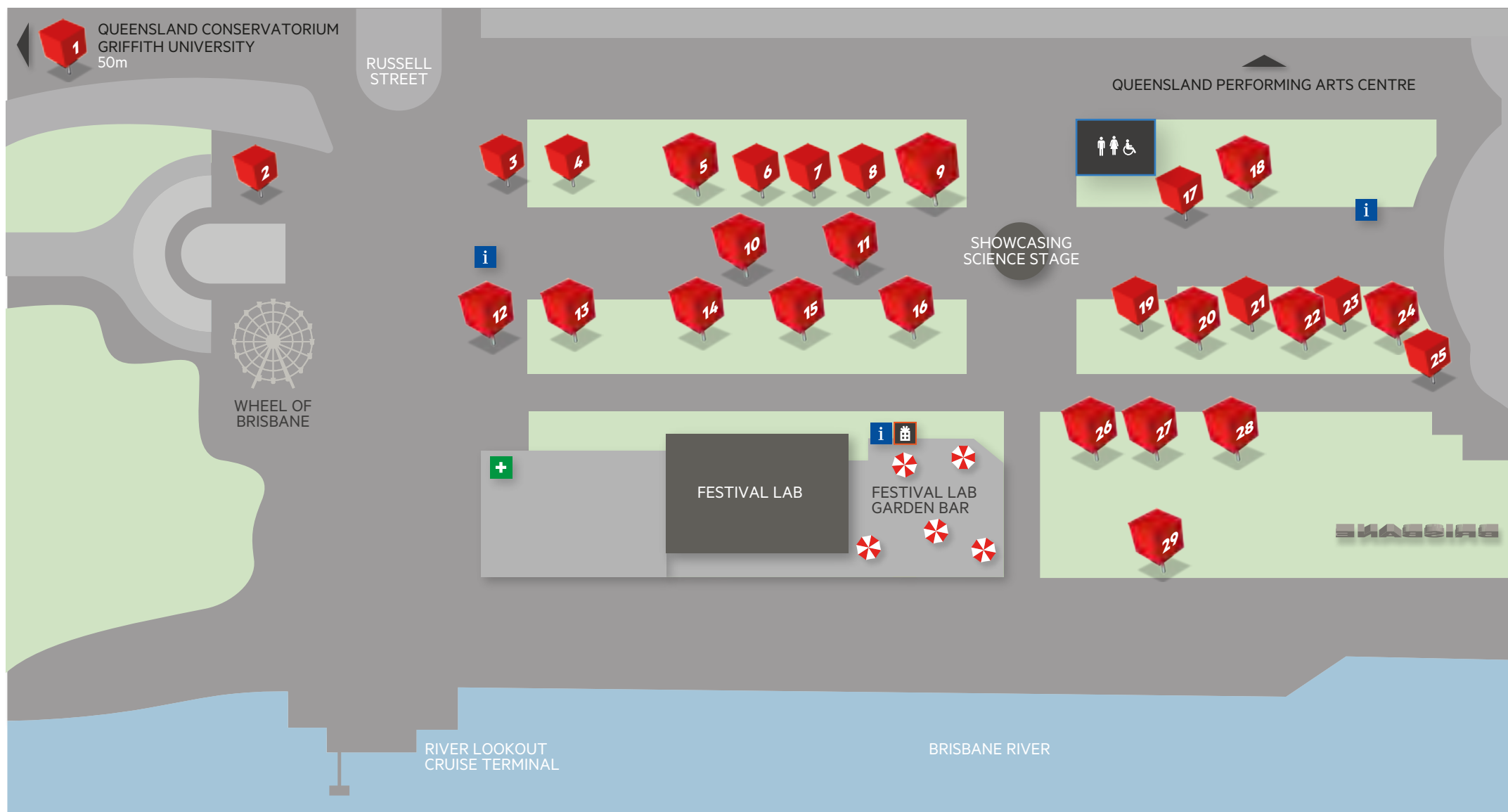
Lucas Stibbard
Jessica Tovey

Friday 24 & Saturday 25 March 2017, 7.30pm
Billie Brown Studio, Queensland Theatre
Tickets range from \$50 - \$83

Street Science!

Presented by BHP Billiton Foundation

Cultural Forecourt, South Bank Parklands | Saturday 25 – Sunday 26 March 2017, 10am – 4pm daily | FREE



+ First Aid

F Food Vendors

i Information

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T Toilets

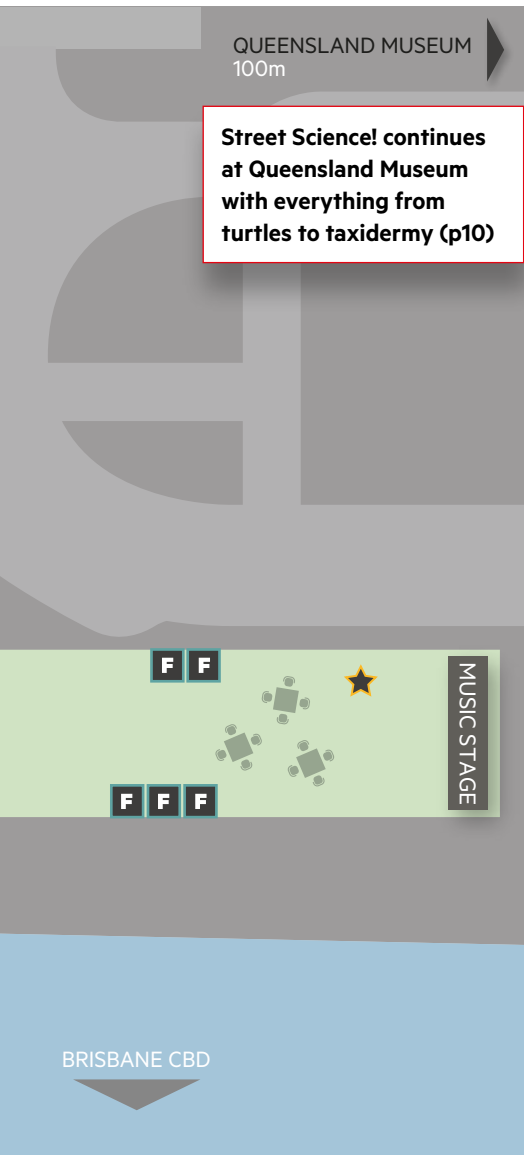
STREET SCIENCE! ACTIVITIES

- 1 Science on the GO!**
presented by Griffith University
- 2 Connect with Water**
presented by Brisbane City Council
available 25 March only
- 3 UQ Robogals**
presented by The University of Queensland

- 4 UQ Science Demo Troupe**
presented by The University of Queensland
- 5 Magic Mud Pit! and Scientist Photobooth**
presented by Young Scientists of Australia and
National Youth Science Forum
- 6 Dig it! Soil and the science beneath your feet**
presented by Soil Science Australia
- 7 Natural History Hub**
presented by CSIRO
- 8 Australian Science Olympiads**
presented by Australian Science Innovations
- 9 SCIENT'RIFFIC**
presented by BHP Billiton Foundation
- 10 Museum Secrets Revealed**
presented by Australian Museum

- 11 Engineer for the Day**
presented by Arup
- 12 FIRST® Robotics Showcase**
presented by Grace Lutheran College
and FIRST® Australia
- 13 Health check: river to bay**
presented by Department of Science, IT and
Innovation with Healthy Waterways and Catchments
- 14 Science Steve's Hands-on Chemistry**
presented by Street Science
- 15 Reefs Alive**
presented by Great Barrier Reef Foundation,
Department of Environment and Heritage Protection
– Office of the Great Barrier Reef, and QUT
- 16 Question. Explore. Research.**
presented by QUT

- 17 Code A Drone**
presented by STEMPunks
- 18 Robotics and Discovery Play for Under 5s**
presented by C&K
- 19 LittleBits: Maker Kids**
presented by Flying Fox Studios
- 20 Measuring Our Changing Oceans**
presented by Australian Institute of Marine Science
- 21 Seed Science**
presented by Royal Botanic Garden Sydney
- 22 Healthier Futures**
presented by QIMR Berghofer
Medical Research Institute
- 23 Radiation Exploration**
presented by QARPS



Festival Lab Events

BRAIN FOOD BREAKFAST SERIES

Rise and shine – it is time to feed your brain and your belly.

Before the working day begins, join us at Festival Lab for a series of entertaining and enlightening science stories while enjoying a delicious breakfast.

The Brain Food Breakfast series provides a casual setting for our guest scientists to share their knowledge and experiences of science, and gives you a glimpse into what makes their scientific hearts sing.

Biofabrication - Customising medical treatment using 3D printing

Join QUT's Mia Woodruff and discover how 3D Printing has taken the world by storm with recent biological applications that may do away with the need for donors in the future.

Thursday 23 March, 7.30am – 8.30am
Festival Lab, Cultural Forecourt, South Bank Parklands
\$20/\$15

Life, the Universe and Everything

Was Douglas Adams right, is the answer really 42? Ask our two very cool physicists for their response when Harry Cliff and Alan Duffy take you on an entertaining and enlightening tour of the universe from the big bang theory to gravitational waves.

Friday 24 March, 7.30am – 8.30am
Festival Lab, Cultural Forecourt, South Bank Parklands
\$20/\$15

Feed Your Brain and Feed Your Body

Jump-start your day and give your brain a boost with Dr Karl over brekky as he shares his knowledge on all things health, exercise and the body.

Saturday 25 March, 7.30am – 8.30am
Festival Lab, Cultural Forecourt, South Bank Parklands
\$20/\$15

The Sensory Experience of Food

Explore the 'taste sensation' with UQ flavour chemist and sensory scientist Heather Smyth, as she breaks down how our most memorable food and drink experiences have been influenced by our many senses.

Sunday 26 March, 7.30am – 8.30am
Festival Lab, Cultural Forecourt, South Bank Parklands
\$20/\$15

QUIZ NIGHT: Are you a Polymath?

Are you curious? What exactly is a polymath? Do I need to be good at mathematics? And what does it mean if I am one?

One of the world's most notable polymaths Leonardo da Vinci was a painter, inventor, engineer, astronomer, anatomist, biologist, geologist, physicist and architect. With an expertise that spans numerous and varied subject areas, polymaths are curious, keen to explore and willing to learn.

Gather your team of polymaths and specialists and join Quizmaster Frank Gannon for an intriguing evening of scientific quizzing.

This is an 18+ event.

Thursday 23 March, 7.00pm
Festival Lab, Cultural Forecourt, South Bank Parklands
Team of up to 9 \$117. Single ticket to join a team \$15*.

FULL STEAM AHEAD: Pocket Science on a Steam Train

Travel on a historic steam train with a twist. Steam trains depart South Brisbane station for a one-hour return trip through Brisbane with pocket-sized science surprises on-board.

Saturday 25 March 2017, 10.15am & 11.40am
Departs South Brisbane Train Station
\$32/\$29/\$22

SCIENCE GETS SOCIAL

Roll up to Festival Lab for 'happy hour' with a scientific bent.

Hosted by ABC's Bernie Hobbs, these lively and unexpected sessions will surprise and entertain with new subjects each evening.

This is an 18+ event. This venue is licensed. Food and drinks will be available for purchase.

Mathematics in Movies

Maths in movies can be educational, interesting, humorous and integral to the plot.

Revisit well-known blockbuster movie scenes with QUT's Michael Milford and join in challenges as we replicate the film scenarios.

Put your maths knowledge to the test as you decipher clues, solve problems, and save the world.

Thursday 23 March, 5.30pm
Festival Lab, Cultural Forecourt, South Bank Parklands
FREE – Bookings required via the website*

Colour Me Calm

At the end of a busy week, unwind at Festival Lab with Stanley Rodski, a cognitive neuroscientist who has developed the colour-tation method of relaxation and meditation to help relax your brain in this highly stressed digitally-paced world.

Chill out and channel your inner artist as you learn how the act of colouring-in is good for mind and body.

Friday 24 March, 5.30pm – 6.30pm
Festival Lab, Cultural Forecourt, South Bank Parklands
FREE – Bookings required via the website*

Can You Train Your Brain?

Brain training apps have promised us improved memory, cognition and general brain function but when and how do they work? Give your brain a workout with Nicholas Price who will provide interesting insights into the body's most complex organ.

Saturday 25 March, 5.30pm
Festival Lab, Cultural Forecourt, South Bank Parklands
FREE – Bookings required via the website*

FAMELAB: Queensland Semi-Final

Join us for the Queensland semi-final of the world's leading science communication competition! Top early-career researchers will take to the stage as they battle it out to become the state's FameLab champion. They'll have just three minutes to win your hearts and minds using their scientific knowledge, charm and charisma.

Wednesday, 22 March, 6.30pm
Festival Lab, Cultural Forecourt,
South Bank Parklands
FREE – Bookings required via the website

MULTI-SENSORY DELIGHT: The Pairing of Wine and Music

Can the music you are listening to affect the wine you are drinking?

Sound artist and wine critic Jo Burzynska guides you through a multi-sensory journey that explores how the perception of wine flavours can be altered by the music we are hearing.

Learn how to create your own harmonious matches and how to avoid discords.

This is an 18+ event.

Saturday 25 March, 7.15pm – 8.40pm
Festival Lab, Cultural Forecourt, South Bank Parklands
\$20/\$15*

* This venue is licensed. Food and drinks will be available for purchase.

The Queensland Museum Network supports the responsible consumption of alcohol at all events.

- 24 **Become a TRI Medical Superhero**
presented by Translational Research Institute
- 25 **Walking Tours of Brisbane Building Stones**
presented by Geological Society of Australia
- 26 **Bubble-ology**
presented by Scale Free Network
- 27 **Brushbot Robotics**
presented by HSBNE
- 28 **Go For Launch!**
presented by It's Rocket Science School Incursions
- 29 **Daytime Solar Viewing**
presented by Brisbane Astronomical Society
- ★ **Stargazing**
Saturday 6pm – 9pm

Visit Festival Lab between 10am – 4pm to see live experiments and interactive demonstrations.



AUTOMATED AUTOS: The Future of Driverless Driving and Drones

Are we ready to share our roads, airways and personal space with self-flying taxis, driverless vehicles and consumer drones?

Driverless technology promises increased safety, flexibility and fuel efficiency while we steer towards future cities with fully integrated and intelligent infrastructure that connects buildings, transport and devices.

Our self-driven panel of scientists, engineers and legal experts explores the ramifications of this inevitable reality and finds out exactly who or what is behind the wheel.

PARTICIPANTS

Catherine Ball
Belinda Bennett
Hugh Bradlow
Chris Luebke
Jonathon Roberts

Friday 24 March 2017, 10.00am
Conservatorium Theatre, QCGU
\$30/\$25/\$10



EARTH 2.0: A Future Habitat for Humanity?

Stephen Hawking suggests we must look to the stars to ensure the survival of the human race. Do we need a new home?

While colonising distant planets is thousands of years off, scientists are already taking the first steps toward making humans an interplanetary species. In August 2016, astronomers announced the detection of Proxima B, an Earth-sized exoplanet in the habitable zone of the red dwarf star Proxima Centauri.

Our panel separates science-fact from science-fiction to determine if we really are on the verge of colonising space.

PARTICIPANTS

Jon Clarke
Tamara Davis
Alan Duffy
Lisa Harvey-Smith
Brian Schmidt
Andrew Thomas

Saturday 25 March 2017, 12.30pm – 1.30pm
Cremorne Theatre, QPAC
\$30/\$25/\$10



FIRST ASTRONOMERS: Indigenous Knowledge Systems

Aboriginal and Torres Strait Islanders looked to the stars long before the age of telescopes and satellites.

Thousands of years earlier than the ancient Greek astronomers were studying the cosmos, Aboriginal and Torres Strait Island communities looked to the night sky to navigate their day-to-day survival on land and sea.

Join us for an extraordinary insight into the significance of astronomical Indigenous knowledge throughout history and today.

PARTICIPANTS

Ghillar (Michael Anderson)
Duane Hamacher
Karlie Noon
Charles Passi
Rhianna Patrick

Friday 24 March 2017, 7.30pm
Cremorne Theatre, QPAC
\$30/\$25



IMAGE ©CERN 2007

COLLISION: A Unique Insight into the World of Hadron

Step inside the world’s greatest experiment with one of our esteemed scientists as your private tour guide.

A panel of guests including Dr Harry Cliff, particle physicist and curator of the *Hadron Collider* exhibition, Science Museum, London will expose the science behind the world’s greatest experiment.

The panel discussion will commence at 4pm, after which there will be a tour of the *Hadron Collider* exhibition currently on show at Queensland Museum, led by our esteemed guests.

PARTICIPANTS

Harry Cliff
Nicole Bell
Tamara Davis
Andrew White

Saturday 25 March 2017
4.00pm Conversation
Cremorne Theatre, QPAC
6.00pm Tour, 7.00pm Tour, 8.00pm Tour
Level 3, Hadron Collider exhibition, QM
\$55/\$50



REGIONAL PROGRAM

The regional program will once again bring together thought-leaders for an exciting program that connects audiences of all ages with the concepts, challenges, discoveries and advancements that are shaping our world.

The program aims to engage rural and remote communities in the wonders of STEM.

Events will again be held in Townsville and Chinchilla with the addition of two new programs in Gladstone and Toowoomba.

Visit website for full details and to get tickets.

Gladstone Student Day
Friday 3 March 2017
Gladstone Community Event
Saturday 4 March 2017
Toowoomba Community Event
The Farmer Wants a Science Life
Friday 17 March 2017, 5.30pm
Townsville Community Event
An Afternoon with Harry Cliff
Sunday 26 March 2017, 3.00pm
Townsville Student Day
Monday 27 March 2017
Chinchilla Student Day
Friday 31 March 2017
Chinchilla Community Event
Saturday 1 April 2017



CoderDojo Brisbane

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Brisbane is fast becoming Australia's rising star, a stylish urban city with an understated style. Experience the excitement of a live show at the Queensland Performing Arts Centre, explore the booming local music scene, or try a signature cocktail or craft beer at a slick hole-in-the-wall bar. Brisbane lives and breathes casual cool.

**MAR/
APR**

Myriad
29 - 31 Mar

MAY

Straddie
Salute
Triathlon Festival
20 May



JUN

Qantas Wallabies
v Italy
24 Jun



QPAC International
Series - The Royal
Ballet
29 Jun - 9 Jul

The Planting
28 - 30 Apr



NRL Brisbane
Double Header
Melbourne v
Gold Coast &
Manly v Brisbane
13 May



Marvel: Creating the
Cinematic Universe*
27 May - 3 Sep

Gladiators: Heroes of
the Colosseum
23 Jun - 28 Jan



© Royal Opera House 2015 PHOTO
BY JIM HARRISON 2014

Scenic Rim
Eat Local
Week
24 Jun - 2 Jul



[#thisisqueensland](https://twitter.com/thisisqueensland)

queensland.com/events

IT'S LIVE! in *Queensland*

Events at Queensland Museum

Free events



THE HATCHERY

The hugely popular hit of 2016 returns with more space, more time, more eggs, more activities, more turtles... and a smack of jellyfish.

Under the watchful eye of Reptile Curator Patrick Couper, visitors will experience nature's most valuable gift as Loggerhead Turtle hatchlings break free from their shells and take their first breath of air.

Designed in collaboration with internationally renowned turtle biologist Dr Colin Limpus, this extraordinary conservation initiative will see the hatchlings transported to the Sunshine Coast after the Festival, and released 20km off shore, along with a cohort of Flatback turtles, which will be fitted with transmitters to help track their early life movements.

This free activity will be supported by a talk, *Let's Talk: Turtles* (see below), the exciting drop-in space, *Turtle Time*, and a display of jellyfish to highlight the life-threatening impacts of human behaviour on turtle conservation.

Thursday 23 March - Sunday 26 March, 9.30am – 5.00pm
Level 1 Entry Foyer, QM
FREE – NO BOOKINGS REQUIRED

THE ART LAB: Science in the Studio

A place where science and art meet to make new discoveries and unlock creative thought. Experience *Curios?* – an exhibition featuring local artists inspired by Science and the beauty and wonder of Queensland Museum's collection. Get hands on at our *What is Science?* drawing station, tailored for the little art masters among us.

Thursday 23 March - Sunday 26 March, 9.30am – 5.00pm
The Sciencentre, QM
FREE – NO BOOKINGS REQUIRED

BEHIND THE SCENES

Behind the scenes of the Queensland Museum is an extraordinary place where scientists, researchers, preparators and collection managers build and maintain one of Australia's largest collections of natural and cultural heritage. Our displays will showcase some of the very best of the Museum's collection and demonstrate how they are prepared, preserved, registered and displayed. From skins to skeletons – make no bones about it, these exhibits will fascinate and enthrall.

Thursday 23 March - Sunday 26 March, 9.30am – 5.00pm
Level 2, QM
FREE – NO BOOKINGS REQUIRED

AUSTRALIA ZOO WILDLIFE WARRIORS: Learn how you can help conserve our planet

Australia Zoo Wildlife Warriors supports numerous conservation projects from around the world. The Australia Zoo Wildlife Hospital is the primary project for Wildlife Warriors, working 24/7 to rescue and rehabilitate all species in need. Check out some of the trapping equipment and the techniques used in the largest crocodile study in the world and find out how you can contribute.

Saturday 25 March – Sunday 26 March, 9.30am – 5.00pm
Sisters Green, QM
FREE – NO BOOKINGS REQUIRED

COLOUR OUR CORAL: A mass colouring event

Get the whole family involved in the therapeutic science of colouring-in and make your mark on our giant coral reef. Put the colour back in coral at World Science Festival Brisbane.

Wednesday 22 March - Sunday 26 March, 9.30am – 5.00pm
The Whale Mall, QM
FREE – NO BOOKINGS REQUIRED

YOUNG ENGINEERS: Build your tomorrow, today!

Visit Young Engineers Brisbane to put the wheels of energy in motion. An interactive display introducing children to the basic principles of mathematics, science and engineering using motorised LEGO® bricks and other methods that produce motion. Discover the many alternative sources of energy and race a ready-made vehicle to the finish line!

Saturday 25 March - Sunday 26 March, 9.30am – 5.00pm
The Whale Mall, QM
FREE – NO BOOKINGS REQUIRED

CODE A ROBOT: Coding, Robotics and Electronics

Building Block Studio presents the very best in robot coding experiences. Try your luck in the LIVE LEGO robotics challenge and participate in free coding activities for the whole family. Make them move, react and respond to your coding commands – serious science fun!

Saturday 25 March - Sunday 26 March, 9.30am – 5.00pm
Level 4, QM
FREE – NO BOOKINGS REQUIRED

Ticketed events

THE COLOURS OF SPACE AND TIME: Japanese painters and printmakers between two eras

Perhaps the most famous Japanese work of art, Katsushika Hokusai's landscape print 'The Great Wave off Kanagawa' (1831) brilliantly illustrates the transformative power of technology on aesthetics.

The contrasting blues of the Great Wave capture a complex tale of scientific revolution, shifting socioeconomic power, and a world shrinking as influences travelled ever faster from one continent to the next.

Guided by Marco Leona, Head of the Department of Scientific Research at the Metropolitan Museum of Art in New York City, this program will travel through 200 years of Japanese and European history and culture to explore how changes in art mirror changes in society.

PARTICIPANTS
Marco Leona
Chris Saines

Thursday 23 March, 5.30pm
Level 2 Theatre, QM
\$15/\$10

LET'S TALK: Taxidermy

Taxidermy is a fascinating field where science and art meet to preserve our natural history. Queensland Museum Taxidermist and Senior Preparator Alison Douglas unlocks the history and secrets behind this age-old practice.

Friday 24 March, 5.30pm – 6.30pm
Saturday 25 March, 10.00am – 11.00am
Level 2 Theatre, QM
\$15/\$10



LET'S TALK: Coral

Senior Curator of one of the largest and most important coral collections anywhere in the world, Dr Tom Bridge dives deeper into the Great Barrier Reef than ever before.

Friday 24 March, 10.00am
Level 2 Theatre, QM
\$15/\$10

LET'S TALK: Turtles

Renowned Queensland scientist and turtle researcher Dr Colin Limpus shares his expert insight into the life cycles of Loggerhead and Flatback turtles.

Saturday 25 March, 3.00pm – 4.00pm
Level 2 Theatre, QM
\$15/\$10

LET'S TALK: Crocs

Super keen Herpetologist Toby Millyard is passionate about all things scaly, including crocodiles and venomous snakes. Toby will share more than 20 years of hands-on experience managing Australia Zoo's Croc Team.

Sunday 26 March, 10.00am
Level 2 Theatre, QM
\$15/\$10

More exciting events!

Across the Cultural Precinct

SCIENCE AND STORY: The Unsung Women of Science

Throughout history women have made extraordinary contributions to science, often without acknowledgement.

Circumstances and social mores of the past have seen the work of many brilliant women in science relegated to the dusty archives of history or simply unacknowledged and unknown. ABC commentator Geraldine Doogue hosts a panel of women working across science and the arts and shines light on the stories of these unsung women in a fascinating session that will surprise and inspire.

This event includes the screening of *Hidden Figures*, which tells the story of three African-American women who were instrumental in the successful launch of the Mercury capsule ‘Friendship 7’, on 20 February, 1962, which made astronaut John Glenn the first American to orbit the Earth.

PARTICIPANTS	Saturday 25 March
Melissa Ashley	Film – 2.30pm
Chantal Knowles	Panel – 4.40pm
Jenny Martin	Cinema A, GOMA
Vicki McDonald	\$25/\$22

SCIENCE AND STORY: The Semantics of Science

Unpacking the tech talk and making sense of science is no easy task. Science is one of the most influential disciplines we have for understanding ourselves, the world around us and our place in it. From professional science writing to science in fiction and even social media, there are myriad ways of communicating science.

Join our esteemed panel of experts and learn how they sell the fact and fiction of science.

PARTICIPANTS	Saturday 25 March, 10.00am
AC Grayling	The Edge, SLQ
Ashley Hay	\$25/\$22
Nick Payne	
Peter Spinks	
Jonathan Webb	

SCIENCE AND STORY: Speakeasy Science

Slap on a lab coat, pull up an ergonomic chair and help us put the sexy back into science. Hosted by Alicia Sometimes - writer, poet, broadcaster, musician and creator of the science-poetry show, *Elemental*. It’s science like you’ve never heard or seen it before. From coral chorales, tantalising taxidermists and cosmic comedy – this show has it all.

Join us for an eclectic night of poetry, readings, performances and side-splitting comedy featuring some of art and science’s most revered contemporaries.

PARTICIPANTS	Friday 24 March, 7.00pm
Harry Cliff	Festival Lab, Cultural Forecourt
Ashley Haywood	\$20/\$15
Linda Jaivin	
Krissy Kneen	
Bish Marzook	
The EcoTones	

SCIENCE FRONTIERS

The Australian Cinémathèque at GOMA charts the development of science in popular cinema. Mathematicians and scientists test the limits of the known universe – either here on earth or at the edges of outer space – in this stellar line up of films that includes David Bowie in *The Man Who Fell to Earth* (1976), Ridley Scott’s classic thriller *Alien* (1979) and James Cameron’s *Aliens* (1986), Terrance Malik’s documentary *Voyage of Time* (2016), family favourite *ET: The Extra Terrestrial*, international documentary *Sepideh* (2013), and Christopher Nolans’ critically-acclaimed epic sci-fi *Interstellar* (2014).

22 – 26 March
\$10/\$8/\$7
Visit our website for full program details and to buy tickets.

COSMIC VERTIGO: Putting Space Between Your Ears

This new ABC podcast is a dizzying conversation about all things astronomical

Astronomer Dr Alan Duffy and ABC RN producer Joel Werner take you on a behind-the-scenes spin including exclusive snippets, a blooper reel, and the secret to making space sound amazing. Dr Alan Duffy, Joel Werner.

Friday 24 March, 6.00pm
Foyer, ABC Brisbane - 114 Grey St, South Brisbane
FREE – Bookings required via the website

EXTREME MOMENTS IN SCIENCE: With Dr Karl

Dr Karl will take you on a rollercoaster ride through the ‘badlands’ of science where you’ll discover the answers to questions you never knew existed. Prepare to be amused and amazed as Australia’s favourite science guru takes you on an excursion around a scientific landscape from the sublime moments of deep thought to the arcane and bizarre.

Friday 24 March 8.00pm – 9.15pm
Conservatorium Theatre, QCGU
\$25/\$20

DR KARL FOR KIDS

Hosted by mad scientist Dr Rob, this is your chance to ask all your medial, chemical, physical or astronomical questions. Dr Karl will provide the answers and the science to explain them in a language your kids (and you!) will understand.

Saturday 25 March, 12.30pm & 2.30pm
Conservatorium Theatre, QCGU
FREE – Bookings required via the website

ANSTO: Fact or Fiction

The World Wide Web collides with cutting-edge science in this interactive, big screen experience where an esteemed panel of expert scientists discuss the fact and fiction behind internet shopping, viral videos, the science of selfies and much more as we countdown the top reasons people use the internet.

Wednesday 22 March, 8.00pm \$10
Thursday 23 March, 11.30am FREE
Conservatorium Theatre, QCGU

APPRENTICE PROGRAMS

This immersive program for students in Years 10-12 offers a taste of real science in action. In these small, hands-on workshops, scientists, technologists and innovators educate curious minds on the wonders of their chosen fields.

- 3D BIOFABRICATOR’S APPRENTICE
- CANCER CRUSADER’S APPRENTICE
- CELL BIOLOGIST’S APPRENTICE
- ECOTOXICOLOGIST’S APPRENTICE
- FORENSIC SCIENTIST’S APPRENTICE
- FRESHWATER ECOLOGIST’S APPRENTICE
- GENETICIST’S APPRENTICE
- IMMUNOLOGIST’S APPRENTICE
- MICROBIOLOGIST’S APPRENTICE
- MUSEUM CURATOR’S APPRENTICE
- PALAEOONTOLOGIST’S APPRENTICE
- ROBOTICIST’S APPRENTICE

Visit our website for all the details

DEAR SCIENCE: A live podcast event

The brand new ABC podcast where lifestyle advice meets hard research.

ABC science journalist Bernie Hobbs and bona fide chemist Dr Alice Williamson take letters written to ‘agony aunts’ and answer them again – with science. Join Bernie and Alice as they tackle a real problem live on stage. Bernie Hobbs, Dr Alice Williamson, Dr Jonathan Webb

Sunday 26 March, 11.00am
Studio 420, ABC Brisbane - 114 Grey St, South Brisbane
FREE – Bookings required via the website



STARGAZING

Do you ever wonder about the stars twinkling above you?

Celebrating the 10th anniversary of Earth Hour, this is the perfect opportunity to switch off and explore the natural luminosity of Brisbane’s beautiful night sky.

Brisbane Astronomical Society and Celestron will provide telescopes for you to explore and identify the stars, while Alan Duffy and Lisa Harvey-Smith unlock the secrets of our observable universe.

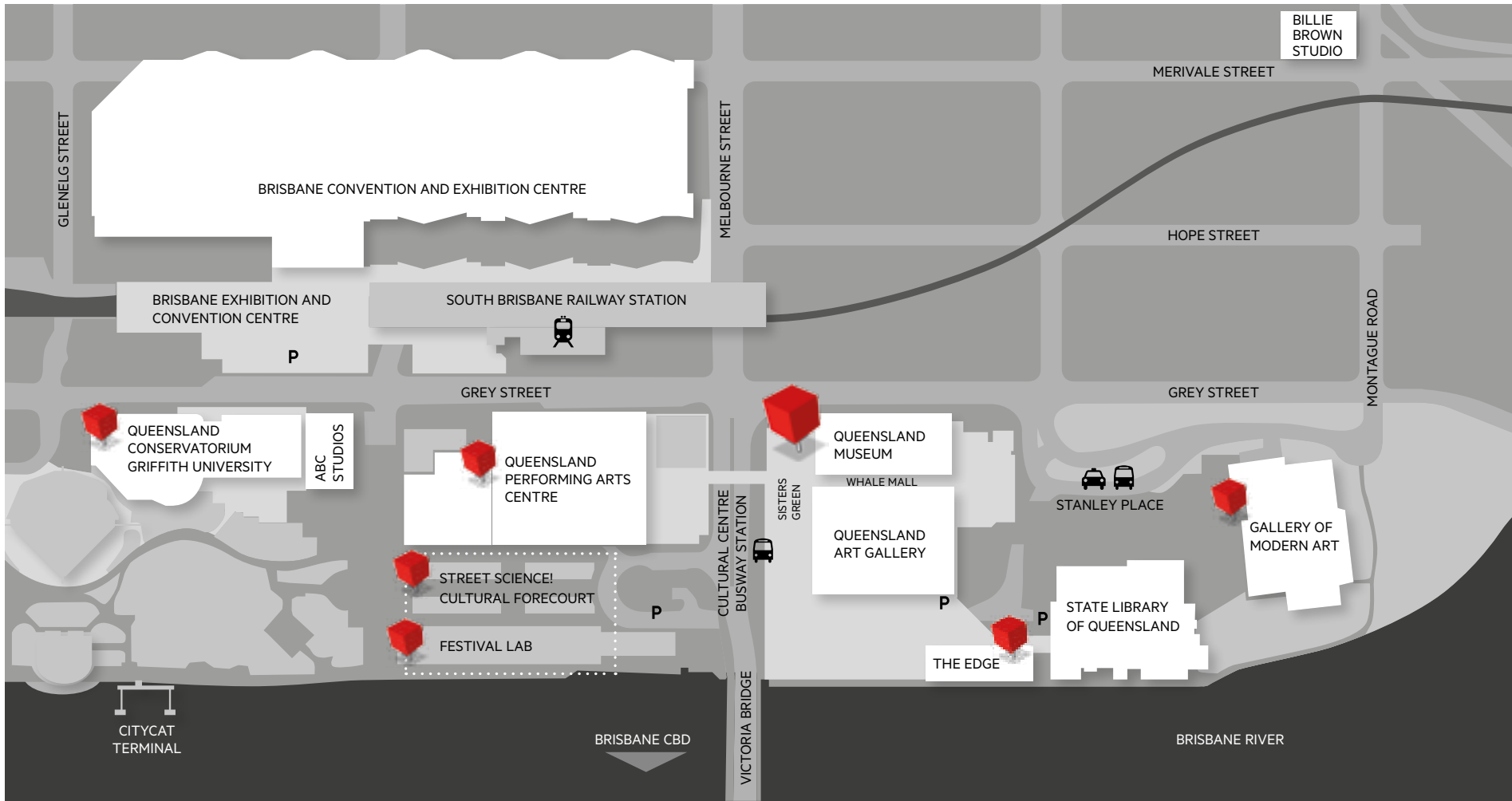
Saturday 25 March, 6.00pm – 9.00pm
Cultural Forecourt, South Bank Parklands
This is a free event

A NIGHT BY THE FIRE: With Indigenous scientist Karlie Noon

Discover the fusion of culture and science as Indigenous scientist Karlie Noon shares her story. Karlie is a proud Kamilaroi woman who works for the CSIRO’s Indigenous science, technology, engineering and maths (STEM) Education Project.

Thursday 23 March, 6.30pm
Kuril Dhagun’s Talking Circle, Level 1, State Library of Queensland
FREE – Bookings required via the website

More information



World Science Festival Brisbane

INFORMATION AND ENQUIRIES

Phone: 07 3842 9103
Overseas callers: 61 7 3842 9103
Website: worldsciencefestival.com.au

TICKET SALES

Brisbane events

QTIX Ticket Sales
Phone: 136 246
(Toll Free outside the Brisbane metropolitan area)
+61 7 3846 4444 AEST (Outside Australia)

Box Office Hours: 9.00am to 8.30pm, Monday to Saturday (AEST)
Please note the Box Office is open two hours prior to a scheduled performance on Sundays.



Email: info@qtix.com.au
Corner Grey and Melbourne Streets
South Brisbane, Q, 4101

Other outlets
Ticket sales will be available at Queensland Museum and various locations during the Festival. See website for full details.

Regional events

For Regional Program bookings visit worldsciencefestival.com.au/regional-events
Email: regional@worldsciencefestival.com.au

Getting to the Festival

WALK	The Festival Zone is located across the river from the Brisbane CBD at the Cultural Precinct and South Bank
BUS	 To Cultural Centre Busway Station
TRAIN	 To South Brisbane Station, opposite QPAC on Grey Street
CITYCAT/FERRY	To South Bank Ferry Terminal in South Bank Parklands
TAXI	 To the taxi set-down and pick-up area on either the Grey Street side of QPAC or Stanley Place outside State Library of Queensland
CAR	Via Melbourne Street, Victoria Bridge or Grey Street
PARKING	P Riverside Carpark, QPAC – enter from Stanley Street Art Gallery/Museum Carpark and State Library of Queensland Carpark – enter from Stanley Place Brisbane Convention & Exhibition Centre – enter from Merivale Street or Grey Street South Bank Parklands Carpark – enter from Little Stanley Street

For bus, train and citycat/ferry timetable information call TransLink on 13 12 30 or visit translink.com.au

Festival Venues

QUEENSLAND MUSEUM (QM)	Corner Melbourne & Grey Streets South Brisbane
QUEENSLAND PERFORMING ARTS CENTRE (QPAC)	Corner Melbourne & Grey Streets South Brisbane
QUEENSLAND CONSERVATORIUM (QCGU)	Griffith University 140 Grey Street South Brisbane
GALLERY OF MODERN ART CINÉMATHÈQUE (GOMA)	Stanley Place South Brisbane QAGOMA
THE EDGE	State Library of Queensland Stanley Place, South Brisbane
QUEENSLAND THEATRE (QT)	Billie Brown Studio 78 Montague Rd South Brisbane
FESTIVAL LAB	Cultural Forecourt South Bank Parklands
ABC STUDIOS	114 Grey Street South Brisbane

Other Information

PRAM STATIONS	Located on the Cultural Forecourt and at Queensland Museum <i>Limited availability. Please do not leave valuables in unattended prams.</i>
INFORMATION	Dedicated booths located on the Cultural Forecourt
FOOD OUTLETS	Located throughout the Cultural Forecourt and each Festival venue



World Science Festival Brisbane Festival Schedule | 22 – 26 March 2017

WEDNESDAY 22 MARCH		THURSDAY 23 MARCH		FRIDAY 24 MARCH		SATURDAY 25 MARCH		SUNDAY 26 MARCH	
7.30pm	QPAC	QUEENSLAND MUSEUM		QUEENSLAND MUSEUM		QUEENSLAND MUSEUM		QUEENSLAND MUSEUM	
	A Live Presentation of 2001: A Space Odyssey p1	9.30am – 5.00pm	The Hatchery FREE p10	9.30am – 5.00pm	The Hatchery FREE p10	9.30am – 5.00pm	The Hatchery FREE p10	9.30am – 5.00pm	The Hatchery FREE p10
	Water: It's Not a Privilege p2	Behind the Scenes FREE p10	Behind the Scenes FREE p1	Behind the Scenes FREE p10	Behind the Scenes FREE p10	Behind the Scenes FREE p10	Behind the Scenes FREE p10	Behind the Scenes FREE p10	Behind the Scenes FREE p10
		The Art Lab FREE p10	The Art Lab FREE p10	The Art Lab FREE p10	The Art Lab FREE p10	The Art Lab FREE p10	The Art Lab FREE p10	The Art Lab FREE p10	The Art Lab FREE p10
7.30pm		Colour Our Coral FREE p1	Colour Our Coral FREE p10	Colour Our Coral FREE p10	Colour Our Coral FREE p10	Colour Our Coral FREE p10	Colour Our Coral FREE p10	Colour Our Coral FREE p10	Colour Our Coral FREE p10
		Turtle Time FREE p10	Turtle Time FREE p10	Turtle Time FREE p10	Turtle Time FREE p10	Turtle Time FREE p10	Turtle Time FREE p10	Turtle Time FREE p10	Turtle Time FREE p10
		The Colour of Space and Time p10	Let's Talk: Coral p10	Let's Talk: Coral p10	Let's Talk: Coral p10	Let's Talk: Coral p10	Let's Talk: Coral p10	Let's Talk: Coral p10	Let's Talk: Coral p10
			5.30pm	Let's Talk: Taxidermy p10	5.30pm	Let's Talk: Taxidermy p10	10.00am, 5.30pm	Young Engineers Brisbane FREE p10	10.00am
8.00pm	QPAC	QUEENSLAND MUSEUM		QUEENSLAND MUSEUM		QUEENSLAND MUSEUM		QUEENSLAND MUSEUM	
	A Live Presentation of 2001: A Space Odyssey p1	10.00am	The New Normal p4	11.30am	Pioneers In Science p5	12.30pm	Earth 2.0 p8	10.00am	Ocean Action p2
	Water: It's Not a Privilege p2	2.30pm	Pioneers In Science p5	3.30pm	On or off The Grid p3	2.00pm	Towards 2050 p3	12.30pm	Microplastics p2
		1.30pm, 7.30pm	A Live Presentation of 2001: A Space Odyssey p1	7.30pm	First Astronomers p8	4.00pm	Collision p8	3.30pm	Under the Microscope p3
8.00pm	QPAC	QUEENSLAND MUSEUM		QUEENSLAND MUSEUM		QUEENSLAND MUSEUM		QUEENSLAND MUSEUM	
	ANSTO: Fact or Fiction Evening Show p11	11.30am	ANSTO: Fact or Fiction School Show p11	10.00am	Automated Autos p8	10.00am	Gravitational Waves p5	12.00pm	When Science Meets Art p4
		7.30pm	Frankenstein Anxiety p4	6.00pm	The Future is In Good Hands p3	12.30pm, 2.30pm	Dr Karl For Kids FREE p11		
				8.00pm	Extreme Moments In Science p11	5.00pm	Science and Faith p4		
6.30pm	FESTIVAL LAB/SOUTH BANK PARKLANDS	FESTIVAL LAB/SOUTH BANK PARKLANDS		FESTIVAL LAB/SOUTH BANK PARKLANDS		FESTIVAL LAB/SOUTH BANK PARKLANDS		FESTIVAL LAB/SOUTH BANK PARKLANDS	
	Famelab FREE p11	7.30am	Brain Food Breakfast Series p7	7.30am	Brain Food Breakfast Series p7	7.30am	Brain Food Breakfast Series p7	7.30am	Brain Food Breakfast Series p7
		5.30pm	Science Gets Social FREE p7	5.30pm	Science Gets Social FREE p7	10.00am – 4.00pm	Street Science FREE p6–7	10.00am – 4.00pm	Street Science FREE p6–7
		7.00pm	Quiz Night p7	7.00pm	Science and Story p11	5.30pm	Science Gets Social FREE p7		
6.00pm, 8.00pm	GOMA CINEMATHEQUE	GOMA CINEMATHEQUE		GOMA CINEMATHEQUE		GOMA CINEMATHEQUE		GOMA CINEMATHEQUE	
	Science Frontiers Film Program p11	6.00pm	Science Frontiers Film Program p11	6.00pm, 6.30pm, 7.00pm, 8.45pm	Science Frontiers Film Program p11	12.30pm, 2.30pm, 6.00pm, 7.30pm	Science Frontiers Film Program p11	11.00am, 1.00pm, 3.00pm	Science Frontiers Film Program p11
12.30pm	THE EDGE	THE EDGE		THE EDGE		THE EDGE		THE EDGE	
	Water Talks p2	12.30pm	Water Talks p2	12.30pm	Water Talks p2	10.00am	Science and Story p11		
						12.30pm	Water Talks p2		

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OFFICIAL SUPPLIERS



Like any complex chemical compound, the World Science Festival Brisbane is a carefully curated combination of elements.

Partnerships feature prominently in these equations, as the oxygen to our propane (the critical elements of combustion). We are serious about partnerships and dedicated to developing genuine relationships premised on shared

vision, clearly articulated outcomes and measurable, mutually rewarding impact in STEM. If you are serious about partnerships, and want to take a leadership role in STEM engagement, contact our

partnerships team on +61 (7) 3842 9344 or email wsfbpartners@qm.qld.gov.au to discuss the opportunities available. Together, we can make a spark.