

Report to Parliament

BIO 2014 Mission to San Diego, California
22-23 June 2014 and San Francisco,
California, 25-26 June 2014, USA

The Honourable Ian Walker MP

Minister of Science, Information Technology, Innovation and
the Arts

TABLE OF CONTENTS

TABLE OF CONTENTS.....	1
FOREWORD.....	3
ITINERARY.....	4
OFFICIAL QUEENSLAND PARTY.....	8
QUEENSLAND BUSINESS DELEGATION.....	9
BIO 2014 SUMMARY	11
THE GLOBAL LIFE SCIENCES BREAKFAST	12
MEETING WITH DR CHRISTOPHE SCHILLING, CEO, GENOMATICA INC.....	13
MEETING WITH MEDICAL RESEARCH COMMERCIALISATION FUND.....	14
MEETING WITH PROFESSOR ALLEN D. ROSES, JEFFERSON- PILOT PROFESSOR OF NEUROBIOLOGY AND GENETICS, DUKE UNIVERSITY	15
QUT INTERNATIONAL COLLABORATIONS LUNCHEON	16
MEETING WITH IMPEDIMED LIMITED.....	17
MEETING WITH PREMIER AND MINISTER OF HEALTH, GOVERNMENT OF ALBERTA, CANADA.....	18
QUEENSLAND VIP WELCOME RECEPTION	19
QUEENSLAND VACCINE DEVELOPMENT OPPORTUNITIES LSQ BREAKFAST.....	20
MEETING WITH DR DENVER DALE, ON-POINT CAPITAL.....	21
MEETING WITH MR KEN GALBRAITH, FIVE CORNERS CAPITAL INC	22
MEETING WITH PATHEON BIOLOGICS AND BIOPHARMACEUTICALS AUSTRALIA	23
MEETING WITH THE LARTA INSTITUTE.....	24
MEETING WITH JOHNSON & JOHNSON	25
VISIT TO THE AUSTRALIAN NATIONAL PAVILION	26
MEETING WITH AMYRIS.....	27
MEETING WITH THE ATLANTIC PHILANTHROPIES.....	28

Foreword

BIO remains one of the world's most significant international biotechnology trade and investment conferences. This year's event was held over 23 to 26 June, in San Diego. BIO 2014 attracted over 15,600 delegates (up from 13,500 last year) from 70 countries and more than 1,800 exhibiting companies, organisations and institutions, all focused on biotechnology and the wider life sciences.

I was pleased to lead a group of over 70 Queensland delegates (up from 55 in 2013) drawn from our business and research community to help highlight the capability of our State, seek new research collaborations with leaders in world science, and interest investors, including the major pharmaceutical companies, in the new breakthroughs Queensland is making.

This was the second year I have led a delegation to BIO. This year, given other commitments, my activities focused on the two days leading up to the official opening of the conference. I was pleased that Queensland Chief Scientist, Dr Geoff Garrett, attending BIO for the first time, was then able to lead the Queensland delegation on my behalf.

I am aware this is a very competitive global industry. That is why at the meetings and events I attended I highlighted the 2014 AusBiotech national conference which will be held on our beautiful Gold Coast from 29 to 31 October. I encouraged the international delegates to attend the conference, and take the opportunity meet our researchers and businesses, and learn about the many opportunities Queensland has to offer.

I also took the opportunity to highlight Brisbane as the destination of the G20 Leaders Summit in November 2014, where Queensland has an opportunity to showcase all our capability to the world.

The opinion of the international delegates and interests I met is that Queensland is a region recognised for its world class research institutes and precincts, having many talented researchers and exciting new developments, particularly in human health. When combined with our varied biodiversity, strategic position within the Asia-Pacific, and a growing pipeline of new discoveries I believe the future of life sciences in Queensland looks bright.

I also held meetings in San Francisco on 25 and 26 June with Amyris to discuss their sugar cane to biofuels work, as well as with Mr Chuck Feeney and his wife Helga to thank them and acknowledge their significant philanthropic donations through The Atlantic Philanthropies in Queensland health sciences.



The Honourable Ian Walker MP
Minister for Science, Information Technology, Innovation and the Arts

ITINERARY

Mission to North America Minister Ian Walker Dates - 22/06/2014 to 26/06/2014

PROGRAM

Time Differences

San Diego, CA 17 hours behind Brisbane
Los Angeles, CA 17 hours behind Brisbane

Sunday 22nd June 2014 – San Diego

7.30am – 8.00am

Mon 12.30am – 1.00am BNE

Program Debrief

Venue: Lobby
The US Grant
326 Broadway
San Diego, CA

8:00am – 9:30am

Mon 1.00am – 2.30am BNE

Global Life Sciences Queensland Breakfast

Venue: Chairman's Court
The US Grant
326 Broadway
San Diego, CA

9:45am – 10:30am

Mon 2.45am – 3.30am BNE

Meeting with Dr. Christophe Schilling, Genomatica

Venue: Pacifica
Westin Gaslamp Quarter
910 Broadway Cir
San Diego, CA

10:30am – 11.30am

Mon 3.30am – 4.30am BNE

Meeting with Dr Chris Nave and Hon. Peter Beattie, Medical Research Commercialisation Fund

Venue: Pacifica
Westin Gaslamp Quarter
910 Broadway Cir
San Diego, CA

11:30am – 12.00pm

Mon 4.30am – 5.00am BNE

Meeting with Professor Allen D. Roses MD, Jefferson-Pilot Professor Neurobiology and Genetics, Duke University

Venue: Pacifica
Westin Gaslamp Quarter
910 Broadway Cir
San Diego, CA

12:00pm – 2:00pm
Mon 5.00am – 7.00am BNE

QUT International Collaborations Luncheon

Venue: The Californian
Westin Gaslamp Quarter
910 Broadway Cir
San Diego, CA

4.00pm – 4.45pm
Mon 9.00am – 9.45am BNE

Meeting with Mr Richard Carreon, ImpediMed

Venue: Chairman's Lounge
The US Grant
326 Broadway
San Diego, CA

4.45pm – 5.30pm
Mon 9.45am – 10.30am BNE

**Meeting with the Honourable David Hancock,
Premier and Minister for Innovation and Advanced
Education and the Honourable Fred Horne, Minister
for Health, Albertan Government**

Venue: Chairman's Court
The US Grant
326 Broadway
San Diego, CA

5.30pm – 8.30pm
Mon 10.30am – 1.30pm BNE

Queensland VIP Welcome Reception

Venue: Celestial Ballroom,
The US Grant
326 Broadway
San Diego, CA

Overnight

The US Grant
326 Broadway
San Diego, CA

Monday 23rd June 2014, San Diego, San Francisco

7:00am – 8:30am
Tue 0.00am – 1.30am BNE

Life Sciences Queensland – Vaccine Breakfast

Venue: Chairman's Court
The US Grant
326 Broadway
San Diego, CA

9.00am – 9.45am
Tue 2.00am – 2.45am BNE

Meeting with Dr Denver Dale, On Point Capital

Venue: Chairman's Court
The US Grant
326 Broadway
San Diego, CA

9.45am – 10.30am
Tue 2.45am -3.30 am BNE

Meeting with Mr Kenneth Galbraith, Five Corners Capital

Venue: Chairman's Court
The US Grant
326 Broadway
San Diego, CA

10.30am – 11.15am
Tue 3.30am – 4.15am BNE

Meeting with Mr Marc Goemans, Vice President, Patheon Biologics and Biosolutions

Venue: Chairman's Court
The US Grant
326 Broadway
San Diego, CA

11.15am – 12.00pm
Tue 4.15am – 5.00am BNE

Meeting with Mr Carlos Guitierrez, Larta Institute

Venue: Chairman's Court
The US Grant
326 Broadway
San Diego, CA

12.00pm – 12.30pm
Tue 5.00am – 5.30am BNE

Pre-departure Briefing
(lunch)

Venue: Chairman's Court
The US Grant
326 Broadway
San Diego, CA

12.30pm – 1.15pm
Tue 5.30am – 6.15am BNE

Meeting with Dr Elena Rizova, Mr Bo Lio, Ms Kathy Connell, Johnson & Johnson

Venue: Chairman's Lounge
The US Grant
326 Broadway
San Diego, CA

1.30pm – 2.15pm
Tue 6.30am – 7.15am BNE

Visit Life Sciences Queensland, and other Queensland delegates, on the Australia Pavilion (Booth #1925)

Venue: San Diego Conference Centre
111 W Harbour Drive
San Diego, CA

2.15pm
Tue 7.15am BNE

Minister departs the BIO International Convention

Wednesday 25 June 2014 – San Francisco

9.30am – 10.30am
Thur 2.30am – 3.30am BNE

Meeting with Amyris

Venue: 5885 Hollis Street
Emeryville
San Francisco, CA

Thursday 26 June 2014 – San Francisco

11.30am – 12.30pm
Fri 4.30am – 5.30am BNE

Meeting with The Atlantic Philanthropies

Venue: DeLancy Street
Restaurant
Corner Embarcadero & Brannon
San Francisco, CA

OFFICIAL QUEENSLAND PARTY

The Honourable Ian Walker, MP
Minister for Science, Information Technology, Innovation and the Arts

Dr Geoff Garrett
Queensland Chief Scientist
Office of the Chief Scientist - Science, Information Technology, Innovation
and the Arts

Mr David Camerlengo
Trade & Investment Commissioner, North America
Trade & Investment Queensland

Dr Christine Williams
Assistant Director-General
Science Division - Department of Science, Information Technology, Innovation
and the Arts

Ms Tamlyn O'Connor
Senior Project Officer – Science Capability, Engagement and Collaboration
Department of Science, Information Technology, Innovation and the Arts

QUEENSLAND BUSINESS DELEGATION

Title	First Name	Last Name	Company
Mr	Tony	Conaghan	Thomsons Lawyers
Prof	Ian	Frazer	Translational Research Institute
Mrs	Caroline	Frazer	
Mr	David	Hughes	BioPharmaceuticals Australia
Mr	Nicholas	Mathiou	Griffith Enterprise
Mr	Michael	McArdle	Queensland University of Technology
Mr	Russell	Neal	Clinical Network Services (CNS) Pty Ltd
Mr	Mario	Pennisi	Life Sciences Queensland
Prof	Ronald	Quinn	Griffith University - Eskitis Institute for Cell & Molecular Therapies
Mr	Garry	Redlich	Implicit Bioscience Ltd
Prof	Maree	Smith	TetraQ
Prof	Zee	Upton	Queensland University of Technology - Faculty of Health
Prof	Tony	Webber	Clinical Network Services (CNS) Pty Ltd
Prof	Ian	Wronski	James Cook University - Faculty of Health, Life and Molecular Science
Prof	Ross	Young	Queensland University of Technology
Dr	Gerald	Haaima	Queensland Institute of Medical Research
Mr	Les	Tillack	PharmaSynth
Prof	Ned	Pankhurst	Griffith University
Dr	Chris	Davis	Griffith Enterprise
Dr	Stuart	Newman	Griffith Enterprise
Dr	Erin	Rayment	University of Southern Queensland
Ms	Amy	McCabe	University of Southern Queensland
Mr	Neil	Finlayson	Coridon
Mr	Lawrence	Bremner	TetraQ
Prof	Mark	von Itzstein	Griffith University Institute for Glycomics
Dr	Philip	Ellery	Griffith University Institute for Glycomics
Mr	Timothy	Evans	QUTBlueBox Pty Ltd
Dr	Pat	Silvey	VeturePro
Ms	Lisa	Devereaux	PharmaSynth
Dr	Mark	Ashton	UniQuest
Mr	Malcolm	McBratney	McCullough Robertson
Prof	Christopher	Cocklin	James Cook University
Prof	Lyn	Griffiths	Institute of Health and Biomedical Innovation
Prof	Arun	Sharma	Queensland University of Technology
Dr	Geoff	Cumming	Anteo Diagnostics / Bio-Layer

Title	First Name	Last Name	Company
Dr	Tina	Baumgartner	Anteo Diagnostics / Bio-Layer
Ms	Janelle	Ryan	Queensland University of Technology
Dr	Craig	Belcher	Uniquist
Dr	Andrew	Leech	James Cook University
Prof	Frank	Gannon	Queensland Institute of Medical Research
Prof	Peter	Gray	Australian Institute for Bioengineering and Nanotechnology
Mr	Thomas	Liquard	Alchemia Limited
Prof	Rachel	Parker	Queensland University of Technology
Mr	Goslik	Schepers	Alchemia Ltd
Dr	Ryan	Parlett	Deloitte
Dr	Bernadette	Hawkins	Cullens
Dr	Mark	Egerton	Fisher Adams Kelly
Dr	Declan	McKeveney	Fisher Adams Kelly
Dr	David	Venables	Anatara Lifesciences
Mr	Seth	Yakatan	Invion Group
Miss	Roberta	Bozzoli	Thomson Geer Lawyers
Prof	Derek	Richard	Queensland University of Technology
Dr	Tracey	Mynott	Anatara Lifesciences Ltd
Dr	Elaine	Stead	Blue Sky Venture Capital
Dr	Aoife	Cullen	Australian Institute for Bioengineering and Nanotechnology
Mr	Paul	Cronin	Clinical Network Services
Dr	Peter	Riddles	ViciBio Pty Ltd
Ms	Helen	Karuso	Anteo Diagnostics Ltd.
Ms	Takako	Kaneyasu	Life Sciences Queensland Ltd
Mr	John	Kelly	Queensland Brain Institute
Dr	Robert	McLeay	DoseMe
Dr	Bruce	Green	DoseMe
Hon	Peter	Beattie	Medical Research Commercialisation Fund
Dr	Heather	Beattie	
Dr	Victor	Argaet	Davies Collison Cave
Dr	Mel	Bridges	Anatara Lifesciences Ltd
Dr	Jens	Tampe	Griffith University
Prof	Brandon	Wainwright	Institute for Molecular Bioscience, University of Queensland
Dr	Dian	Tjondronegoro	Queensland University of Technology
Dr	Mia	Woodruff	Queensland University of Technology
Mr	Mitchell	Glass	Invion Group
Mr	Michael	d'Amato	Invion Group
Mr	James	Erickson	Anteo Diagnostics Ltd.
Mr	Michael	Simson	Anteo Diagnostics Ltd.
Dr	Sean	Parsons	Ellume
Ms	Tertia	Dex	Patheon

BIO 2014 SUMMARY

- I undertook 17 meetings and key events to support Queensland's presence at BIO 2014.
- I had meetings with leading pharmaceutical and biotechnology companies as well as North American investors interested in investing in Queensland's life sciences sector.
- I also hosted a number of meetings with international companies including Johnson & Johnson, Genomatica and Amyris.
- Many of my meetings were supported by senior members of the Queensland delegation, where we were able to discuss in some detail opportunities for collaboration and commercial partnerships.
- I again hosted the Queensland VIP Welcome Reception for 200 national and international guests, raising the global profile of Queensland's life sciences industry.
- I invited key international delegates to visit Queensland in late October for the 2014 AusBiotech national conference being held on the Gold Coast from 29 to 31 October.



The Minister and Queensland delegates on the Australian Pavilion

THE GLOBAL LIFE SCIENCES BREAKFAST

Date: 22 June 2014

Venue: Chairman's Court
The US Grant
326 Broadway
San Diego, CA

Time: 8:00am - 9:30am

ATTENDEES

Hon. Peter Beattie AC

Director (non-executive), Medical
Research Commercialisation Fund

Professor Uwe Heinrich

Executive Director, Fraunhofer ITEM

Professor Brandon Wainwright

Institute for Molecular Bioscience

Hon. Jim Greenwood

President & CEO, Biotechnology Industry
Organization

Dr Peter Riddles

Chairman, Life Sciences Queensland

Mr Joe Panetta

CEO BioCom

MATTERS DISCUSSED

- Organised by Life Sciences Queensland, this breakfast meeting was an opportunity for senior delegates from the Queensland BIO mission to meet international business leaders.
- Within the context of global industry trends, we discussed how Queensland could accelerate the translation of its world class research into commercial products, and further develop our life sciences sector.
- I am pleased to report that the Hon. Jim Greenwood, President and CEO of the Biotechnology Industry Organization (BIO), has accepted to be a speaker at Life Sciences Queensland i20 event in Brisbane in the lead-up to the G20 Summit in November 2014.



Minister Ian Walker with Hon. Jim Greenwood

MEETING WITH DR CHRISTOPHE SCHILLING, CEO, GENOMATICA INC

Date: Sunday 22 June 2014

Venue: Pacifica
Western Gas Lamp
Quarter, 910 Broadway
San Diego

Time: 9:45am – 10:30am

ATTENDEES

Dr Christophe Schilling

CEO and Founder, Genomatica Inc.

Mr Ryan Beltramini

Business Development, Genomatica Inc.

Professor Peter Gray

Director, Australian Institute of
Bioengineering and Nanotechnology

MATTERS DISCUSSED

- I met with Dr Schilling and Mr Beltramini who gave me an overview of the company, in particular the company's engagement with the Asia-Australia region.
- Genomatica is a widely-recognised technology leader for the chemical industry. It delivers new manufacturing processes that enable its partners to produce high value chemicals from renewable feedstock.
- Genomatica has had an interest in how its technology could be used in Queensland using the feedstock's we have available, particularly sugar.
- I invited Genomatica to again visit Queensland and learn more about our capability and opportunities during the AusBiotech 2014 national conference in late October.



Minister Ian Walker, with Dr Christophe Schilling and Mr Ryan Beltramini of Genomatica

MEETING WITH MEDICAL RESEARCH COMMERCIALISATION FUND

Date: Sunday 22 June 2014

Venue: Westin Gaslamp Quarter
910 Broadway Cir
San Diego, CA

Time: 10:30 – 11:30am

ATTENDEES

Hon. Peter Beattie AC

Director (non-executive), Medical
Research Commercialisation Fund

Dr Chris Nave

Principal Executive, Medical Research
Commercialisation Fund

MATTERS DISCUSSED

- This meeting provided me with an opportunity to meet and discuss the performance of the Medical Research Commercialisation Fund (MRCF) and the current opportunities it provides for Queensland member institutes.
- I highlighted the importance of delivering clear economic benefits from the Queensland Government's existing support of MRCF, and we discussed ways to increase the fund's impact in Queensland.



From left to right: Dr Chris Nave, Minister Ian Walker, Hon. Peter Beattie, Dr Geoff Garrett

MEETING WITH PROFESSOR ALLEN D. ROSES, JEFFERSON-PILOT PROFESSOR OF NEUROBIOLOGY AND GENETICS, DUKE UNIVERSITY

Date: Sunday 22 June 2014

Venue: Pacifica

Time: 11:30am – 12:00pm

Westin Gaslamp Quarter
910 Broadway Cir
San Diego, CA

ATTENDEES

Professor Allen D. Roses

Jefferson-Pilot Professor of Neurobiology and Genetics, Duke University

Professor Arun Sharma

Deputy Vice, Chancellor (Research & Commercialisation), Queensland University of Technology (QUT)

Professor Lyn Griffiths

Executive Director, Institute of Health and Biomedical Innovation, QUT

MATTERS DISCUSSED

- Professor Roses was the keynote speaker at the QUT International Collaborations Luncheon.
- Professor Roses shared with me his perspective on clinical genomics and personalised medicine, and detailed his experiences in dealing with the challenges and opportunities in translating research outcomes into commercial application.
- Professor Roses discussed how State Government's around the world can play an important role in the biotechnology sector by simply removing obstacles and reducing the cost of doing business, for example by reducing regulatory barriers.
- We also discussed how important Biobanks are to the ongoing development of the sector and including their use in attracting clinical trials.

QUT INTERNATIONAL COLLABORATIONS LUNCHEON

Date: Sunday 22 June 2014

Venue: The California Ballroom
Westin Gaslamp Quarter
910 Broadway Cir
San Diego, CA

Time: 12:00pm – 2:00pm

SPEAKERS

Professor Arun Sharma

Deputy Vice Chancellor (Research and Commercialisation), QUT

**Professor Allen D. Roses MD
(guest speaker)**

Jefferson Pilot Professor of Faculty Medicine –
Neurology, Duke University

EVENT KEY POINTS

- I addressed approximately 100 Queensland and international guests including senior executives of QUT and representatives of the international biotechnology and research community.
- The keynote speaker at the luncheon was Professor Allen D. Roses, Jefferson Pilot Professor of Neurobiology, Duke Institute for Genome Sciences and Policy.
- The event was an opportunity for me to acknowledge the ongoing development of the life sciences industry in Queensland, including the important role of the Queensland University of Technology. In particular I highlighted the Queensland Government:
 - recognises the importance of science and innovation in building a strong and diverse economy, building on our four economic pillars;
 - encourages collaboration between Queensland researchers and their counterparts in other states and countries to help develop our new discoveries; and
 - is focused on strengthening the links between Queensland universities and other research organisations and the private sector, to attract collaboration and investment and increase outcomes from the states life sciences sector.



QUT Collaborations Luncheon with Mr Jeffrey Bleich, Prof Arun Sharma, Prof Allen Roses, Minister Ian Walker and Prof Lynn Griffiths

MEETING WITH IMPEDIMED LIMITED

Date: Sunday 22 June 2014 **Venue:** The Chairman's Lounge
Time: 4:00pm – 4:45pm The US Grant
326 Broadway
San Diego, CA

ATTENDEES

Mr Richard Carreon President and Chief Executive Officer
ImpediMed Limited

Ms Catherine Kingsford VP Regulatory, Clinical Affairs, and
Intellectual Property

MATTERS DISCUSSED

- Mr Richard Carreon outlined the company's development since its origin in Queensland, including the value it continues to provide Queensland as it expands in the USA.
- ImpediMed Limited has offices in Pinkenba, Queensland and Carlsbad, California.
- It develops bioimpedance devices with a focus on medical applications for use in a variety of healthcare applications, notably in the assessment and monitoring of secondary lymphedema - a chronic condition in which excess fluid (lymph) collects in tissues causing edema (swelling), general health assessment, weight management and muscle wasting.
- ImpediMed shared their key learnings in the development of their North American operations. ImpediMed regard the USA as their single largest market and emphasised how critical it is for them to have a presence in North America to pursue market opportunities and commercial success.

MEETING WITH PREMIER AND MINISTER OF HEALTH, GOVERNMENT OF ALBERTA, CANADA

Date: Sunday 22 June 2014

Venue: Chairman's Lounge

Time: 4:45pm – 5:30pm

The US Grant
326 Broadway
San Diego, CA

ATTENDEES

Hon. David Hancock

Premier and Minister for Innovation and
Advanced Education, Government of Alberta

Hon. Fred Horne

Minister for Health. Government of Alberta

Mr Steve Macdonald

Deputy Minister, Alberta Innovation and
Advanced Education

Mr Glenn Monteith

Chief Delivery Officer, Alberta Health

Dr Peter Riddles

Chairman, Life Sciences Queensland and
International Member of the Alberta Research
and Innovation Authority (ARIA)

Mr Mario Pennisi

CEO, Life Sciences Queensland

MATTERS DISCUSSED

- At this meeting I discussed with Premier Hancock and Minister Horne the potential synergies between our two jurisdictions that could help drive economic growth in both regions.
- Potential areas for future research and commercial collaboration were discussed, including opportunities in the energy and agricultural sectors, as well as translational medicine.
- The important role of innovation in economic development was also discussed.
- I used this meeting to encourage the Premier to bring a business delegation from Alberta to Queensland for the 2014 AusBiotech national conference to explore these opportunities further.



Minister Ian Walker with the Hon. David Hancock, Premier of Alberta, Canada

QUEENSLAND VIP WELCOME RECEPTION

Date: Sunday 22 June 2014 **Venue:** Celestial Ballroom
The US Grant
326 Broadway
San Diego

Time: 5:30pm – 8:30pm

SPEAKERS

Hon. Peter Beattie AC	Director (non-executive), Medical Research Commercialisation Fund
Mr David Camerlengo (MC)	Queensland Trade Commissioner for the Americas
Mr Marc Goemans (Guest Speaker)	Vice President, Global Marketing & Sales, Patheon Biologics
Mr David Hughes (Guest Speaker)	CEO, BioPharmaceuticals Australia (BPA)

EVENT KEY POINTS

- The Queensland Government in partnership with Patheon Biologics and BioPharmaceuticals Australia (BPA) hosted a reception to profile Queensland's life science capabilities to international delegates to BIO 2014.
- I highlighted the ongoing developments in the Queensland life sciences sector to the 200 guests, and encouraged researchers, investors, and multinational biotechnology and pharmaceutical companies to visit the State for the 2014 AusBiotech national conference.
- Mr David Hughes of BioPharmaceuticals Australia and Mr Marc Goemans of Patheon Biologics addressed the guests and both highlighted the benefits of having a modern scale-up manufacturing facility in Australia for drug development, and the benefits of its co-location with the Translational Research Institute in Brisbane.
- I also witnessed Dr Peter Riddles, Chairman of Life Sciences Queensland sign a formal Memorandum of Understanding (MOU) with Mr Alexander Marshall Chairman of Bioindustrial Innovation Canada. The MOU will strengthen collaboration in the development of new technology that utilises our biomass and renewable raw materials. Bioindustrial Innovation Canada (BIC) is based in Ontario, Canada and is a recognised leader in identifying ways sustainable feedstock, can provide a source of energy and value added chemicals.



After the signing of the MOU between Dr Peter Riddles (Life Sciences Queensland) and Mr Alexander Marshall (Bioindustrial Innovation Canada)

QUEENSLAND VACCINE DEVELOPMENT OPPORTUNITIES LSQ BREAKFAST

Date: Monday 23 June 2014

Venue: Chairman's Court
The US Grant
326 Broadway
San Diego, CA

Time: 7:00am - 8:30am

ATTENDEES

Professor Ian Frazer AC

CEO, Translational Research Institute

Professor Frank Gannon

CEO, Queensland Institute of Medical Research
Berghofer

Mr David Hughes

CEO, BioPharmaceuticals Australia

EVENT KEY POINTS

- Organised by Life Sciences Queensland, this was an opportunity to showcase Queensland's vaccine technologies to multinational biotechnology and pharmaceutical executives.
- Current Queensland initiatives were shared by Professor Ian Frazer, Professor Frank Gannon and Mr David Hughes.
- This breakfast reiterated the importance of offering appropriate clinical trial services in Queensland, and the important role that Life Sciences Queensland, and our public and private sector providers, play in that regard.



Dr Geoff Garrett, Minister Ian Walker, Prof Ian Frazer, Mr David Hughes, and Prof Frank Gannon

MEETING WITH DR DENVER DALE, ON-POINT CAPITAL

Date: Monday 23rd June 2014 **Venue:** Chairman's Court
The US Grant
326 Broadway
San Diego

Time: 9.00am-9.45am

ATTENDEES

Dr Denver Dale Founder, On-Point Capital

MATTERS DISCUSSED

- This was an opportunity for me to discuss with On-Point Capital current opportunities for investment in Queensland technologies and companies in non-medical biotechnology.
- We discussed Australia's approach to innovation, and the potential impact new technology could have in the agricultural and mining and resources sectors.
- I encouraged Dr Dale to visit Queensland to learn more about what investment opportunities Queensland has to offer.

MEETING WITH MR KEN GALBRAITH, FIVE CORNERS CAPITAL INC

Date: Monday 23rd June 2014 **Venue:** Chairman's Court
The US Grant
326 Broadway
San Diego

Time: 9.45am-10.30am

ATTENDEES

Mr Ken Galbraith Managing Director, Five Corners Capital Inc

Dr Elaine Stead Blue Sky Ventures

MATTERS DISCUSSED

- I had the opportunity to promote Queensland as a destination for foreign investment and the Queensland Government's pro-business approach to support investment in the state.
- Five Corners Capital are canvassing opportunities in Australia to invest, and are working closely with Blue Sky Ventures based in Brisbane, Queensland.
- I also learned more about the Canadian venture capital model and role of private funds.

MEETING WITH PATHEON BIOLOGICS AND BIOPHARMACEUTICALS AUSTRALIA

Date: Monday 23 June 2014 **Venue:** Chairman's Court
The US Grant
326 Broadway
San Diego, CA

Time: 10:30am – 11:15am

ATTENDEES

Mr Marc Goemans President, Global Marketing & Sales, Patheon Biologics

Mr David Hughes CEO, BioPharmaceuticals Australia (BPA)

Ms Tertia Dex Business Development, Patheon Biologics

MATTERS DISCUSSED

- I discussed with Patheon Biologics the ongoing operation of their facility in Brisbane, in the context of their recent company re-organisation. I was re-assured that their growth plans were on-track, and that the structural changes will open up new potential market opportunities.
- I was able to get an insight on how Patheon Biologics and BPA will promote the facility as a global destination for the development of new bio-therapeutic products.
- BPA highlighted the Biopharmaceutical Development Fund (BDF) which they launched in April 2014. The fund is designed to support access to the new facility and support Patheon Biologic's business development activities for the long-term benefit of the Queensland operations.

MEETING WITH THE LARTA INSTITUTE

Date: Monday 23 June 2014 **Venue:** Chairman's Court
The US Grant
Time: 11.15am – 12.00pm 326 Broadway
San Diego, CA

ATTENDEES

Mr Carlos Gutierrez Chief Strategy Officer, Larta Institute

MATTERS DISCUSSED

- This meeting provided me with a better understanding of how North American early stage technology is commercialised in the USA. In particular how the Larta Institute is supported by the US Federal Government to identify and assist technologies suitable for commercialisation from research and development investment made by various Federal Government agencies.
- The Larta Institute is contracted by agencies to work with companies for 8 to 10 months, providing one-on-one assistance. The institute has a life sciences focus but also provides services to early-stage companies in agricultural, environmental technologies and advanced materials and mining.
- The Larta Institute undertakes over 300 projects each year, mainly in USA, but also in Iceland, Sweden, Israel, Malaysia, Columbia, Romania, New Zealand and Brazil.

MEETING WITH JOHNSON & JOHNSON

Date: Monday 23 June 2014
Time: 12:30pm – 1:15pm
Venue: Chairman's Court
The US Grant
326 Broadway
San Diego

ATTENDEES

Mr Bo Liu Principal for Venture Investments Beijing, Johnson and Johnson

Dr Elena Rizova Vice President, External Innovation, Asia Pacific, Johnson and Johnson

Ms Kathy Connell Director of New Ventures, Australia & New Zealand, Asia Pacific Innovation Centre (APIC), Janssen/Johnson and Johnson

MATTERS DISCUSSED

- We discussed Johnson & Johnson's current relationships with Queensland's life sciences sector, and the potential future opportunities given the company's new priorities and re-organisation of its global research operations.
- Johnson and Johnson were very positive about the quality of science and level of collaboration in Queensland. Queensland research in a variety of areas is of current interest to Johnson and Johnson, including work in tropical diseases, antibiotic resistance, dengue, oncology, leukemia treatment and rheumatoid arthritis.
- I am pleased that Johnson & Johnson confirmed they will bring a high level delegation to Queensland to coincide with the AusBiotech 2014 national conference on the Gold Coast. This provides an important opportunity to further showcase Queensland's capabilities in life sciences.



Ms Kathy Connell, Minister Ian Walker, Dr Elena Rizova, Mr Bo Lui

VISIT TO THE AUSTRALIAN NATIONAL PAVILION

Date: Monday 23 June 2014 **Venue:** Australian Pavilion
Time: 1.30pm-2.15pm Booth #1925
111 West Harbor Drive,
San Diego

ATTENDEES

Queensland delegates.

VISIT KEY POINTS

- I had the opportunity to visit the Australian Pavilion a day before the official opening of the BIO exhibition, and was able to meet the Queensland exhibitors on the pavilion including Life Sciences Queensland (LSQ), Queensland University of Technology, Anteo Diagnostics and BioPharmaceuticals Australia.
- I was also pleased to learn that two other Queensland companies PharmaSynth Pty Ltd and DoseMe had their own booths at the BIO exhibition.
- LSQ has joined the Australian Pavilion for the third year with Queensland industry stakeholders to work and exhibit collaboratively, helping to promote the image of a dynamic, internationally competitive and sustainable life sciences industry in Queensland.



Members of the Queensland delegation to BIO 2014 in front of the Australian Pavilion

MEETING WITH AMYRIS

Date: 25 June 2014
Time: 9:30am - 10:30am
Venue: 5885 Hollis Street
Emeryville
San Francisco, CA

ATTENDEES

Professor Peter Gray	Director, Australian Institute of Bioengineering and Nanotechnology (AIBN)
Dr Jeff Ubersax	Head of the Biology Group, Amyris
Ms Zanna McFerson	Chief Business Officer

MATTERS DISCUSSED

- I discussed the current and future plans of Amyris in the development of biofuels and higher value bio-chemicals as a commercial opportunity for their business.
- In particular, we discussed Amyris's sugar cane to biofuels project in Brazil.
- I noted Amyris has been granted approval by the ASTM Committee for a bio sustainable jet fuel blend and I encouraged them to manufacture a feasibility amount of sustainable jet fuel in Queensland as part of the Queensland Sustainable Aviation Fuel Initiative (QSAFI).
- This meeting gave me an understanding of the relationship Amyris has with Australian Institute of Bioengineering and Nanotechnology (AIBN), and their view on Queensland's capability and potential role in biofuels within a regional and global industry context.

MEETING WITH THE ATLANTIC PHILANTHROPIES

Date: 26 June 2014
Time: 11.30am - 12.30pm
Venue: DeLancy Street Restaurant
Corner Embarcadero & Brannon
San Francisco, CA

ATTENDEES

Mr Chuck Feeney Founding Chairman, The Atlantic
Philanthropies

Mrs Helga Feeney

MATTERS DISCUSSED

- Through the Atlantic Philanthropies Mr Feeney has funded \$298.18 million in health sciences infrastructure in Queensland since 1998.
- I met with Mr Feeney and his wife Helga to thank them and to acknowledge their significant contribution to health sciences project infrastructure in Queensland.
- As a result of Mr Feeney's philanthropy an additional \$871 million in leveraged funding from the Queensland and Federal governments was secured and this has laid the foundation for a strong and vibrant world class health sciences sector in Queensland.

ESTIMATED COST

- Estimated cost is less than \$3,000
- The Minister paid for his own international return airfares to the United States as part of his annual leave. He returned to duty whilst on leave for 22-23 June to attend BIO in San Diego and again on 25-26 June for meetings in San Francisco. The cost of airfares was for internal domestic travel within the United States to attend BIO.