



**THE UNIVERSITY
OF QUEENSLAND**
AUSTRALIA



UQ Genomics Initiative

Event Program

The UQ Genomics Initiative is launching a monthly Genomics Forum to integrate genomics research across UQ and ensure that UQ's genomics researchers have access to the facilities and resources necessary for their work.

When: Monday 4th September – Tuesday 5th September

Where: Level 7 Auditorium, Queensland Brain Institute (Building 79), The University of Queensland, St Lucia

To register: <https://www.eventbrite.com.au/e/uq-genomics-forum-launch-registration-36600657552>

Monday 4th September 2017 Day 1

Session 1

UQ Genomics Initiative

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|----------------|----------------------------------------------------------------------------------------------------------------------|
| 1:00 – 1:30 PM | Professor Dave Burt , Director - UQ Genomics Initiative
<i>The UQ Genomics Initiative</i> |
| 1:30 - 2:00 PM | Dr Brooke Gardiner , UQ Genomic Services Coordinator
<i>Advancing genomics through enhanced access</i> |
| 2:00 – 2:30 PM | Dr Dominique Gorse , Director, QFAB Bioinformatics
<i>UQ informatics capabilities – current and future</i> |

2:30 – 3:00 PM Break

Session 2

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|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3:00 – 3:30 PM | Rachel McNally, Next Generation Sequencing Technical Officer - AGRF
<i>HiSeq 4000 sequencing runs</i> |
| 3:30 – 4:00 PM | Dr Joseph Powell , Group Leader - Institute for Molecular Bioscience
<i>Using ultra high-throughput single cell sequencing to understanding cellular heterogeneity</i> |
| 4:00 - 4:30 PM | Dr Lachlan Coin , Group Leader - Institute for Molecular Bioscience
<i>Rapid identification of antibiotic resistant bacteria using nanopore sequencing</i> |

4:30 – 7:00 PM Drinks & snacks

For more information on the UQ Genomics Initiative please visit the website

W www.genomics.uq.edu.au
E genomics@uq.edu.au



Tuesday 5th September 2017
Day 2

Session 3

9:00 – 9:30 AM

Dr Fabio Cortesi, UQ Developmental Fellow - Queensland Brain Institute
What 100 genomes can tell us about the evolution of vision in fishes

9:30 – 10:00 AM

Prof Stephen Moore, Director, Centre for Animal Science - Queensland Alliance for Agriculture and Food Innovation
Sequencing the Australian Brahman genome; an insight into tropical adaptation and gene introgression

10:00 – 10:30 AM

A/Prof Scott Beatson, NHMRC Fellow, Group Leader - The School of Chemistry and Molecular Biosciences
Bringing bacterial genomics to the clinic: precision medicine for super bug infections

10:30 – 11:30 AM Break

Session 4

11:00 – 11:30 AM

Mr David Bunker, Executive Director - Queensland Genomics Health Alliance
Implementing clinical genomics into Queensland's health system

11:30 AM – 12:00 PM

Prof Ben Hayes, Professor of Agrigenomics - Queensland Alliance for Agriculture & Food Innovation
The Northern Genomics project - genotyping and phenotyping 30,000 tropical beef cattle to improve fertility and productivity

12:00 – 12:30 PM

Prof Mark Ragan, Co-head - Division of Genomics of Development & Disease - Institute for Molecular Bioscience
Dr Cheong Xin Chan, Institute for Molecular Bioscience, and School of Chemistry and Molecular Biosciences
Genomics of the Great Barrier Reef: the ReFuGe 2020 Consortium

12:30 – 1:30 PM Lunch

Session 5

1:30 – 2:00 PM

A/Prof Timothy Bredy, Associate Professor - Queensland Brain Institute
The what, when, where, why and how of new DNA modifications in the brain

2:00 – 2:30 PM

Prof Ala Tabor, Professorial Research Fellow - Queensland Alliance for Agriculture and Food Innovation
A reverse vaccinology approach to develop a new cattle tick vaccine - challenges with a large repetitive sequence genome

2:30 – 3:00 PM

Prof Robert Henry, Director - Queensland Alliance for Agriculture and Food Innovation
Genomics to feed and fuel a sustainable planet

3:00 – 3:30 PM Break

Session 6

3:30 – 4:30 PM

Panel Discussion - Genomics in Society

Prof Karen Hussey, Director - Centre for Policy Futures
A/Prof Damian Hine, Associate Professor - School of Business
A/Professor Gloria Dall'Alba, Associate Professor - School of Education
Dr Julian Lamont, Lecturer - School of Historical and Philosophical Inquiry
Dr Marie Mangelsdorf, Research Fellow - Centre for Policy Futures