

EPIGENETIC THERAPIES AND BIOMARKERS

DEVELOPMENT AND INHERITANCE

EPIGENETIC MECHANISMS

FUNCTIONAL EPIGENOMICS

EPIGENETICS AND DISEASE



Epigenetics 2017

Hotel Grand Chancellor,
Brisbane

29th October - 1st November 2017



Hotel Grand Chancellor, 29th October – 1st November 2017

SUNDAY 29th OCTOBER

5.00 – 7.00pm Registration Open
Meet and Greet in the Grand Chancellor Bar (drink voucher provided)

MONDAY 30th OCTOBER

8.00 – 9.00am Registration Open

9.00 – 9.10am Conference Welcome – Prof Susan Clark

9.10 – 11.00am Session 1: Epigenetics Mechanisms

9.10 – 9.50am **Keynote Speaker: Prof Stephen Baylin, John Hopkins University**

A/Prof Jose Polo, Monash University

9.50 – 10.10am *Dissection of specific transcriptional complexes at single locus resolution by TINC*

10.10 – 10.30am **Prof Susan Clark, Garvan Institute of Medical Research**

The 3D Cancer Epigenome

10.30 – 10.45am Free Abstract

10.45 – 11.00am Free Abstract

11.00 – 11.30am Morning Tea

11.30 – 1.00pm Session 2: Functional Epigenomics and Transcriptomics

Prof John Mattick, Garvan Institute of Medical Research

11.30 – 12.00pm *Structure-function relationships and plasticity of the regulatory RNAs that guide epigenetic processes*

A/Prof Carl Walkley, St Vincent's Institute of Medical Research

12.00 – 12.20pm *Rewriting the transcriptome: Adenosine-to-Inosine RNA editing by ADARs.*

12.20 – 12.35pm Free Abstract

12.35 – 12.50pm Free Abstract

12.50 – 1.30pm Fast forward poster abstracts – 10 posters with 2 minutes each

1.30 – 3.00pm Lunch & Poster Presentations

3.00 – 4.30pm Session 3: Cancer Epigenetics

Dr Heather Lee, University of Newcastle

3.00 – 3.20pm *Single-cell analysis to advance epigenetic therapy in acute myeloid leukaemia*

3.20 – 3.40pm **A/Prof Vicki Whitehall, QIMR Berghofer Medical Research Institute**

3.40 – 4.00pm Dr Yuen Yee Cheng, University of Sydney

DNA methylation as a non-invasive epigenetic biomarker for cancer.

4.00 – 4.15pm Free Abstract

4.15 – 4.30pm Free Abstract

4.30 – 5.00pm Afternoon Tea

5.00pm Bus transfer to QIMR Berghofer Medical Research Institute

5.30 – 6.30pm Public lecture at QIMR Berghofer Medical Research Institute - **Prof Peter Jones**
"Epigenetics – The Next Hope for Cancer Treatments"

6.30 – 7.30pm Welcome reception at QIMR Berghofer Medical Research Institute

7.30pm Bus transfer with optional stops in Fortitude Valley, the City, South Bank and Hotel Grand Chancellor

Free Evening



TUESDAY 31st OCTOBER

8.30am	Registration Open
9.00 – 10.30am	Session 4: Bioinformatics
9.00 – 9.20am	Prof Terry Speed , Walter and Eliza Hall Institute of Medical Research <i>Detection of 5-methylcytosine with nanopore sequencing</i>
9.20 – 9.40am	Dr Allan McRae , University of Queensland
9.40 – 9.55am	Free Abstract
9.55 – 10.10am	Free Abstract
10.10 – 10.25am	Free Abstract
10.25 – 11.00am	Morning Tea
11.00 – 12.30pm	Session 5: Epigenomics
11.00 – 11.40am	Prof Fei Lan , Fudan University
11.40 – 12.00pm	Dr Peter Molloy , CSIRO <i>The Epigenome at Birth: looking back and projecting forward</i>
12.00 – 12.15pm	Free Abstract
12.15 – 12.30pm	Free Abstract
12.30 – 1.00pm	Fast forward poster abstracts – 10 posters with 2 minutes each
1.00 – 2.30pm	Lunch & Poster Presentations
2.30 – 4.00pm	Session 6: Neuroepigenetics
2.30 – 2.50pm	A/Prof Anne Voss , Walter and Eliza Hall Institute of Medical Research <i>Histone modifying enzymes laying the basis for neuronal development.</i>
2.50 – 3.10pm	Dr Timothy Bredy , University of Queensland <i>The who, what, where, why and how of new DNA modifications in the brain</i>
3.10 – 3.30pm	Professor Geoffrey Faulkner , University of Queensland <i>L1 retrotransposons and somatic genome mosaicism in the mammalian brain</i>
3.30 – 3.45pm	Free Abstract
3.45 – 4.00pm	Free Abstract
4.00 – 4.30pm	Afternoon Tea
4.30 – 5.30pm	Session 7: Young Investigators Awards Session
4.30 – 4.45pm	Free Abstract
4.45 – 5.00pm	Free Abstract
5.00 – 5.15pm	Free Abstract
5.15 – 5.30pm	Free Abstract
5.30 – 6.30pm	AEPiA Committee Meeting (members only)
7.00 – 11.00pm	Conference Dinner at the Grand Chancellor

WEDNESDAY 1st NOVEMBER

8.30am	Registration Open
9.00 -11.00am	Session 8: Development and Aging
9.00 – 9.40am	Dr Gavin Kelsey , Babraham Institute <i>Epigenetic mechanisms patterning the germline</i>
9.40 – 10.00am	Prof Ryan Lister , University of Western Australia
10.00 – 10.20am	Dr Ozren Bogdanovic , Garvan Institute of Medical Research <i>Developmental DNA methylation dynamics in the chordate amphioxus</i>
10.20 – 10.35am	Free Abstract
10.35 – 10.50am	Free Abstract
10.50 – 11.20am	Morning Tea
11.20 – 12.30pm	Session 9: Epigenetic Biomarkers

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11.20 – 11.40am	Prof Sudha Rao , University of Canberra <i>Interplay between the epigenome & nuclear Signaling Kinases: Novel liquid biopsy biomarkers for metastatic cancers.</i>
11.40 – 12.00pm	Prof Greg Goodall , University of South Australia <i>Regulatory interactions in Epithelial to Mesenchymal Transition: Poised Promoters, microRNAs and circular RNAs</i>
12.00 – 12.15pm	Free Abstract
12.15 – 12.30pm	Free Abstract
12.30 – 1.30pm	Lunch
1.30 – 3.00pm	Session 10: Cancer Genetics and Therapy
1.30 – 2.10pm	Keynote Speaker: Prof Peter Jones , Van Andel Institute
2.10 – 2.30pm	A/Prof Pilar Blancafort , University of Western Australia
2.30 – 2.45pm	Free Abstract
2.45 – 3.00pm	Free Abstract
3.00 – 3.30pm	Awards and Conference Close
3.30 – 4.00pm	Afternoon Tea

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