

**FREE
EVENT**

HETEROGENEITY AND PLASTICITY IN HEALTHY AND MALIGNANT TISSUES SYMPOSIUM

Friday 21 April 2017, 9am – 5pm

Victorian Comprehensive Cancer Centre,
Level 7 Lecture theatre B
305 Grattan street, Melbourne VIC 3000

This symposium brings together scientists and clinicians from Australia and France, in partnership with the French National Health and Medical Research Institute (Inserm) to discuss the following topics:

- Normal and malignant stem cells;
- Tumour cell plasticity; and
- Detection and characterization of molecular mechanisms that drive tumour heterogeneity.

We will hear about some of the consequences of tumour heterogeneity on tumour progression, diagnosis and treatment response.

Registration is FREE and refreshments will be provided.

Please send enquiries to A/Prof Frédéric Hollande:
frederic.hollande@unimelb.edu.au

**For catering purposes,
RSVP by 13 April at Eventbrite**

<https://www.eventbrite.com.au/e/symposium-on-heterogeneity-and-plasticity-in-healthy-and-malignant-tissues-tickets-32758292936>

CONFIRMED SPEAKERS

Professor Alain Puisieux
*Inserm/CNRS, Lyon Cancer
Research Centre*

Professor Jane Visvader
Walter and Eliza Hall Institute

Professor Sean Grimmond
The University of Melbourne

**Professor Emmanuelle
Charafe-Jauffret**
Inserm, Marseille

A/Professor Sarah-Jane Dawson
Peter MacCallum Cancer Centre

A/Professor Frédéric Hollande
The University of Melbourne

Dr Mark Shackleton
Peter MacCallum Cancer Centre

Dr Christophe Ginestier
Inserm, Marseille

Dr Delphine Mérino
*Olivia Newton John Cancer
Research Institute*

Dr Aurélie Cazet
*The Garvan Institute of
Medical Research*

Dr Pierre Saintigny
*Centre Léon Bérard, Lyon Cancer
Research Centre*

Dr Fabrice Laval
Lyon Cancer Research Centre

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PROGRAM

8:45am—9:00am **Symposium introduction**
Meeting convenor: Frédéric Hollande

SESSION ONE: Normal and malignant stem cells Chair: F. Hollande

9:00am—9:45am **The ZEB1 EMT inducer establishes a link between stemness and cancer genome instability**
Alain Puisieux, PhD *Head, Lyon Comprehensive Cancer Centre*

9:45am—10:15am **Unravelling a highly heterogeneous mammary stem cell compartment**
Jane Visvader, PhD *Division Head, WEHI*

10:15am—10:45am **Netrin-1 bi-functional signalling in stem cells**
Fabrice Laval, PhD *Group Leader, Lyon Comprehensive Cancer Centre*

10:45am—11:15am **Morning tea**

SESSION TWO: Tumour heterogeneity in the translational space Chair: A. Puisieux

11:15am—11:45am **Cancer stem cell assay for personalised testing of drug susceptibility in advanced breast cancer**
Emma Charafe-Jauffret, MD PhD *Clinical Pathologist, Group Leader, INSERM, Marseille*

11:45am—12:15pm **An integrated research program for the prevention and treatment of head and neck cancer**
Pierre Saintigny, MD PhD *Medical oncologist, Lyon Comprehensive Cancer Centre*

12:15pm—12:45pm **Decoding pancreatic cancer**
Sean Grimmond, PhD *Director, University of Melbourne Centre for Cancer Research*

12:45pm—1:30pm **Lunch**

SESSION THREE: Detection of intra-tumour heterogeneity in metastatic cancer Chair: E. Charafe-Jauffret

1:30pm—2:00pm **Circulating tumour DNA to monitor tumour heterogeneity in blood**
Sarah-Jane Dawson, MD PhD *Medical Oncologist, Group Leader, PMCC*

2:00pm—2:30pm **Heterogeneity of colorectal cancer metastases**
Frédéric Hollande, PhD *Group leader, University of Melbourne*

2:30pm—3:00pm **Dynamics of metastatic clones in human-in-mouse models of triple negative breast cancer**
Delphine Mérino, PhD *Group leader, Olivia Newton John Cancer Research Institute*

3:00pm—3:30pm **Afternoon tea**

SESSION FOUR: Mechanisms underlying tumour heterogeneity Chair: B. Pal

3:30pm—4:00pm **miR-600 acts as a bimodal switch that regulates breast cancer stem cell fate through WNT signaling**
Christophe Ginestier, PhD *Group Leader, INSERM, Marseille*

4:00pm—4:30pm **Determinants and consequences of melanoma heterogeneity**
Mark Shackleton, MD PhD *Medical Oncologist, Group leader, PMCC*

4:30pm—5:00pm **The paracrine Hedgehog-FGF axis mediates cancer stem cell plasticity in triple negative breast cancer**
Aurélie Cazet, PhD *Senior Research Officer Garvan Institute, Sydney*