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Australia-Singapore Partnership in Skin Cancer Biology 2017  
**CONFERENCE PROGRAMME**

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**WEDNESDAY 22<sup>ND</sup> MARCH - DAY 1**

**08.30**                    **REGISTRATION**

**09.15 – 09.30**        **CONFERENCE OPENING AND WELCOME**

**Birgit LANE**

Executive Director, Institute of Medical Biology, A\*STAR and  
Chief Scientist, Skin Research Institute of Singapore (SRIS)

**09.30 – 12.30**    **EVOLUTION AND MAINTENANCE OF EPITHELIAL CANCERS**

Chairs: Birgit LANE, IMB & SRIS, Singapore

Kiarash KHOSROTEHRANI, The University of Queensland  
Diamantina Institute, Australia

09.30 – 09.45    **Giulia RANCATI**, Institute of Medical Biology, Singapore  
*Environmental stresses induce karyotypic instability in cancer cells*

09.45 – 10.00    **TAN Wee Ping (Melissa)**, National Skin Centre, Singapore  
*Skin cancer in Singapore*

10.00 – 10.20    **Fiona SIMPSON**, The University of Queensland Diamantina Institute,  
Australia  
*Molecular analysis of SCC and metastatic potential: implications for  
potential therapy*

10.20 – 10.40    **Pritinder KAUR**, Curtin University, Australia  
*Pericytes as microenvironmental regulators of normal and neoplastic  
epithelia*

10.40 – 11.10    *Morning tea break*

11.10 – 11.30    **Glen BOYLE**, QIMR Berghofer Medical Research Institute, Australia  
*Understanding perineural invasion of cutaneous SCC of the head and neck*

11.30 – 11.50    **Prabha SAMPATH**, Institute of Medical Biology, Singapore  
*EGF-driven micro-circuitry hijacks miR-198/FSTL1 h wound-healing switch  
to enhance invasion of carcinoma*

11.50 – 12.05    **Ildiko SZEVERENYI**, Institute of Medical Biology, Singapore  
*TGFBR1 in self-healing skin cancer (MSSE)*

12.05 – 12.25 **Nikolas HAASS**, The University of Queensland Diamantina Institute,  
Australia  
*MITF regulates dynamic melanoma heterogeneity*

12.25 – 13.45 *Lunch break*

13.45 - 14.00 **Chris JOHNSON**, PerkinElmer Asia Pacific  
*Mapping the tissue microenvironment*

**14.00 – 17.00 FROM MELANOCYTES TO MELANOMA**

Chairs: Nicholas HAYWARD, QIMR Berghofer, Australia

Deidre COOMBE, Curtin University, Australia

14.00 – 14.20 **Carlos CLAVEL**, Institute of Medical Biology, Singapore  
*BMP signalling regulation of melanogenesis, pigment transfer and melanocyte migration*

14.20 – 14.40 **Leah VARDY**, Institute of Medical Biology, Singapore  
*A role for polyamines in pigmentation*

14.40 – 14.55 **Steven THNG**, National Skin Centre & Skin Research Institute of Singapore  
*Environment and melanocyte biology: beyond UV photoprotection*

14.55 – 15.15 **Richard STURM**, The University of Queensland, Australia  
*Molecular and cellular analysis of naevogenesis*

15.15 – 15.45 *Afternoon tea break*

15.45 – 16.05 **Helmut SCHAIDER**, The University of Queensland Diamantina Institute,  
Australia  
*Stress induced epigenetic remodelling as a mechanism of adaptive resistance in melanoma*

16.05 – 16.25 **Mei BIGLIARDI-QI**, Institute of Medical Biology, Singapore  
*Specific targeting of melanocytes and melanoma cells by photodynamic therapy using ligated photosensitizers*

16.25 – 16.40 **KWAN Yuet Ping**, Nanyang Technological University, Singapore  
*Role of LRG1 in melanoma growth and progression*

16.40 – 17.00 **Nicholas HAYWARD**, QIMR Berghofer Medical Research Institute,  
Australia  
*Differences in mutational processes and driver genes between acral, mucosal and cutaneous melanomas*

**17.30 – 20.00 Mixer @ Immunos Atrium**

**End of Day 1**

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**THURSDAY 23<sup>RD</sup> MARCH - DAY 2**

**09.00 – 13.00      MICROENVIRONMENT IN HOMEOSTASIS AND CANCER**

Chairs: Pritinder KAUR, Curtin University, Australia

David LEAVESLEY, IMB, A\*STAR, Singapore

- 09.00 – 09.20 **Patrick HUMBERT**, La Trobe University, Australia  
*The role of cell polarity and tissue architecture in epithelial cancer*
- 09.20 – 09.35 **Sophie BELLANGER**, Institute of Medical Biology, Singapore  
*Dual role of the Anaphase Promoting Complex/Cyclosome in regulating stemness and differentiation in the human skin epithelium*
- 09.35 – 10.55 **LIM Chin Yan**, Institute of Medical Biology, Singapore  
*Chromatin dynamics of epidermal cell states during embryonic development*
- 10.55 – 11.15 **Kiarash KHOSROTEHRANI**, The University of Queensland Diamantina Institute, Australia  
*Endothelial progenitor activity in tumour vascularisation*
- 11.15 – 11.45 *Morning tea break*
- 11.45 - 12.05 **Deirdre COOMBE**, Curtin University, Australia  
*Melanoma cell adhesion molecule (MCAM/CD146): Endocytosis, cell migration and tumour formation*
- 12.05 - 12.25 **Annemiek BEVERDAM**, University of New South Wales, Australia  
*Epidermal YAP activity drives ROCK signaling and dermal fibrosis to promote  $\beta$ -catenin transcriptional activity and keratinocyte proliferation in the mouse skin in vivo*
- 12.25 - 12.40 **Amalina Ebrahim ATTAI**, Singapore Bioimaging Consortium, Singapore  
*Mapping non-melanoma skin cancers via hand-held photoacoustic imaging*
- 12.40 - 13.00 **Zee UPTON**, Institute of Medical Biology, Singapore  
*Fibroblasts and IGF-1 have key roles in mediating ultraviolet B radiation photo-protective responses in human keratinocytes*
- 13.00 – 14.00 *Lunch break*

**14.00 – 16.00**

**BREAKOUT DISCUSSIONS**

**16.00 – 17.00**

**POSTER SESSION**

*Afternoon tea break*

**17.00 – 18.00**

**GUEST LECTURE**

**Prof. Sir David LANE**, p53 Laboratory, Singapore

*Skin cancer and the p53 pathway*

**19:00 – 21:30**

**CONFERENCE DINNER @ Privé, Asian Civilisations Museum**

*Buses to Privé leave the Matrix Building pick-up area at **18:30**.*

*Please arrange your own transport from the restaurant back home.  
The nearest MRT station is Raffles Place.*

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**FRIDAY 24<sup>TH</sup> MARCH - DAY 3**

**09.00 – 12.00**

**IMMUNOLOGY AND INFLAMMATION IN SKIN CANCER**

Chairs: Florent GINHOUX, SigN, Singapore

Alessandra MORTELLARO, SigN, A\*STAR

- 09.00 – 09.20 **Riccardo DOLCETTI**, The University of Queensland Diamantina Institute, Australia  
*Improved antigen-specific immunotherapy for cutaneous malignant melanoma*
- 09.20 – 09.35 **Yash CHHABRA**, The University of Queensland, Australia  
*Genetic variation in IRF4 expression modulates growth characteristics, pigmentation and interferon-gamma response in melanocytic cells*
- 09.35 – 09.55 **Michele TENG**, QIMR Berghofer Medical Research Institute, Australia  
*Co-blockade of RANKL-RANK interactions and CTLA4 enhances effector lymphocyte-mediated anti-tumor immunity in mice*
- 09.55 - 10.15 **Vinay TERGAONKAR**, Institute of Molecular and Cell Biology, Singapore  
*Can we target telomerase in cancer?*
- 10.15 – 10.45 *Morning tea break*
- 10.45 - 11.05 **John CONNOLLY**, Institute of Molecular and Cell Biology, Singapore  
*Immune monitoring focused on mechanism, from model systems to the world biggest T cell therapy trial*
- 11.05 – 11.25 **Seth MASTERS**, Walter and Eliza Hall Institute, Australia  
*Effects of the NLRP1 inflammasome on the microbiome and cancer*
- 11.25 – 11.45 **Bruno REVERSADE**, Institute of Medical Biology, Singapore  
*A tale of two inherited self-healing skin cancers*

**11.45**

**PRIZE CEREMONY AND CLOSING REMARKS**

**12.00**

**END OF CONFERENCE**

*Lunch*