



**New Directions in Leukaemia Research 2018 Meeting**  
**25 - 28 March 2018**  
**Brisbane Convention and Exhibition Centre**  
**Brisbane, Australia**

*Program updated 22/01/2018*

| Start   | Finish | SUNDAY 25 MARCH 2018  | Start | Finish |
|---|--------|---|-------|--------|
| 11:00   | 18:30  | <b>Registration Opens</b>   | 11:00 | 18:30  |
| <b>Plaza P9 &amp; P10</b>   |        |   |       |        |
| 13:00   | 13:15  | Welcome and Conference Opening<br><b>Ross Dickins &amp; Matt McCormack (Conference Co-Chairs)</b>   | 13:00 | 13:15  |
| <b>Plaza P9 &amp; P10</b>   |        |   |       |        |
| <b>Session 1 - Epigenetics</b><br><b>Sponsored by Celgene</b><br>Chairpersons: David Curtis & Richard D'Andrea                        |        |   |       |        |
| 13:15   | 14:00  | <b>Margaret (Peggy) Goodell - Baylor College of Medicine, Houston, USA</b><br>DNA Methyltransferase 3A in Normal and Malignant Hematopoiesis  | 13:15 | 14:00  |
| 14:00   | 14:30  | <b>Mark Dawson - Peter MacCallum Cancer Centre, AUS</b><br>Molecular mechanisms governing sensitivity and resistance to epigenetic therapies  | 14:00 | 14:30  |
| 14:30   | 14:45  | <b>Madison Kelly - Peter MacCallum Cancer Centre, AUS</b><br>BCOR regulates myeloid differentiation and leukaemogenesis by altering the epigenome   | 14:30 | 14:45  |
| 14:45   | 15:00  | <b>Charles Bell - Peter MacCallum Cancer Centre, AUS</b><br>Enhancer remodeling overcomes therapeutic resistance driven by non-genomic evolution in cancer  | 14:45 | 15:00  |
| 15:00   | 15:15  | <b>Luisa Cimmino - NYU School of Medicine, New York, USA</b><br>Restoration of TET function as a therapeutic strategy in leukemia   | 15:00 | 15:15  |
| 15:15   | 16:00  | <b>Afternoon Tea</b>  | 15:15 | 16:00  |
| <b>Plaza P9 &amp; P10</b>   |        |   |       |        |
| <b>Session 2 - Lymphoid Malignancies: ALL &amp; CLL</b><br><b>Sponsored by abbvie</b><br>Chairpersons: Richard Lock & Kathryn Roberts |        |   |       |        |
| 16:00   | 16:45  | <b>Iannis Aifantis - NYU School of Medicine, New York, USA</b><br>lncRNAs in acute leukemia: Computational and CRISPR tools to study their functions  | 16:00 | 16:45  |
| 16:45   | 17:15  | <b>Mary Anne Anderson - Walter and Eliza Hall Institute, AUS</b><br>Unanswered Questions in BCL2 inhibition for B Cell Malignancies   | 16:45 | 17:15  |
| 17:15   | 17:30  | <b>Charles de Bock - VIB/KU Leuven, Belgium</b><br>Activated JAK-STAT Signaling Cooperates with HOXA9 And Drives Leukemia Development   | 17:15 | 17:30  |
| 17:30   | 17:45  | <b>Sebastien Malinge - Telethon Kids Insitute, AUS</b><br>A murine knock-In model for the JAK3A572V activating mutation provides insights into pathobiology and therapy of T cell hematopoietic disorders | 17:30 | 17:45  |
| 17:45   | 18:15  | <b>John Seymour - Peter MacCallum Cancer Centre, Melbourne, AUS</b><br>Clinical Spotlight on Chronic Lymphocytic Leukemia   | 17:45 | 18:15  |
| 18:30   | 20:30  | <b>Welcome Reception</b>  | 18:30 | 20:30  |



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| Start   | Finish | <b>MONDAY 26 MARCH 2018</b>  | Start | Finish |
|---|--------|--|-------|--------|
| 7:00  | 19:00  | <b>Registration Opens</b>  | 7:00  | 19:00  |
| <b>Plaza P7 &amp; P8</b>  |        |  |       |        |
| Chairpersons: Catherine Carmichael & Jess Salmon                          |        |  |       |        |
| 7:15  | 8:15   | <b>New Investigator "Meet the Expert" Breakfast Session</b>  | 7:15  | 8:15   |
| <b>Plaza P9 &amp; P10</b>   |        |  |       |        |
| <b>Session 3 - Stem Cells</b>   |        |  |       |        |
| Chairpersons: Louise Purton & Jean-Pierre Levesque                        |        |  |       |        |
| 8:30  | 9:15   | <b>Dominique Bonnet - Francis Crick Institute, London, UK</b><br>Leukemic stem cell interactions with the microenvironment: friend or foe?                                 | 8:30  | 9:15   |
| 9:15  | 10:00  | <b>Atsushi Iwama - Chiba University, JPN</b><br>Deregulated polycomb function in the pathogenesis of myelodysplasia  | 9:15  | 10:00  |
| 10:00   | 10:15  | <b>Tina Schnoeder - University Hospital Jena, Germany</b><br>Myeloid Leukemia Stem Cells Depend on Phospholipase C Gamma 1 (Plcg1) Signaling                               | 10:00 | 10:15  |
| 10:15   | 10:30  | <b>Matthew McCormack - Australian Centre for Blood Diseases</b><br>Lmo2 is dispensable for established Lmo2-induced T-cell acute lymphoblastic leukaemia (T-ALL) in mice   | 10:15 | 10:30  |
| 10:30   | 11:00  | <b>Morning Tea &amp; Trade Display</b>   | 10:30 | 11:00  |
| <b>Plaza P9 &amp; P10</b>   |        |  |       |        |
| <b>Session 4 - Myelodysplastic Syndrome &amp; Acute Myeloid Leukaemia</b> |        |  |       |        |
| <b>Sponsored by Celgene</b>   |        |  |       |        |
| Chairpersons: Gabriela Brumatti & Claudia Bruedigam                       |        |  |       |        |
| 11:00   | 11:45  | <b>Kimberly Stegmaier - Dana-Farber Cancer Institute, Boston USA</b><br>Clinical Translation of AML Genomics Leveraging Functional Genomics to Identify New Targets in AML | 11:00 | 11:45  |
| 11:45   | 12:15  | <b>Paula Marlton - Princess Alexandra Hospital, AUS</b><br>Clinical Spotlight on Acute Myeloid Leukemia  | 11:45 | 12:15  |
| 12:15   | 12:45  | <b>Nikki Verrills - University of Newcastle, AUS</b><br>Proteogenomic profiling reveals targetable pathways in AML   | 12:15 | 12:45  |
| 12:45   | 13:00  | <b>Lev Kats - Peter MacCallum Cancer Centre, AUS</b><br>PRC2 and H3K27Me3-dependent regulation of gene expression by mutant IDH2 in AML                                    | 12:45 | 13:00  |
| 13:00   | 13:15  | <b>Ashwin Unnikrishnan - University of New South Wales</b><br>AZA-MS: a novel multiparameter method uncovers the intracellular dynamics of Azacitidine therapy in vivo     | 13:00 | 13:15  |
| 13:15   | 13:45  | <b>Lunch &amp; Trade Display</b>   | 13:15 | 13:45  |
| <b>Plaza P9 &amp; P10</b>   |        |  |       |        |
| <b>Sponsored by Leukaemia Foundation Australia</b>                        |        |  |       |        |
| Chairpersons: Catherine Carmichael & Jess Salmon                          |        |  |       |        |
| 13:45   | 14:45  | <b>New Investigator Forum – Career Development</b>   | 13:45 | 14:45  |
| 14:45   | 15:15  | <b>Afternoon Tea &amp; Trade Display</b>   | 14:45 | 15:15  |
| <b>Plaza P9 &amp; P10</b>   |        |  |       |        |
| <b>Session 5 - Donald Metcalf Oration - Introduced by Andrew Roberts</b>  |        |  |       |        |
| <b>Sponsored by Amgen</b>   |        |  |       |        |
| Chairperson: Andrew Roberts   |        |  |       |        |
| 15:15   | 16:15  | <b>John Rasko - Royal Prince Alfred Hospital, AUS</b>  | 15:15 | 16:15  |
| 16:15   | 16:45  | <b>Poster Preview Session</b>  | 16:15 | 16:45  |
| 16:45   | 18:45  | <b>Poster Session &amp; Trade Display</b>  | 16:45 | 18:45  |



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| Start  | Finish | <b>TUESDAY 27 MARCH 2018</b>  | Start | Finish |
|--|--------|---|-------|--------|
| 8:00   | 18:00  | <b>Registration Opens</b>   | 8:00  | 18:00  |
| <b>Plaza P9 &amp; P10</b>  |        |   |       |        |
| <b>Session 6 - Cell Therapy &amp; Immunotherapy</b><br>Sponsored by Novartis<br>Chairperson: John Rasko                          |        |   |       |        |
| 8:30   | 9:15   | <b>Stephen Ansell - Mayo Clinic, Minnesota, USA</b><br>Modulating the Immune System in Non-Hodgkin Lymphoma   | 8:30  | 9:15   |
| 9:15   | 10:00  | <b>Bruce Levine - Perelman School of Medicine, University of Pennsylvania, USA</b><br>Chimeric Antigen Receptor T Cells: Clinical Development, FDA Approval, and What's Coming Next   | 9:15  | 10:00  |
| 10:00  | 10:30  | <b>Marie Bleakley - Fred Hutchinson Cancer Research Center, Seattle, USA</b><br>New directions in T cell immunotherapy for leukemia   | 10:00 | 10:30  |
| 10:30  | 10:45  | <b>Rebecca Austin - QIMR Berghofer Medical Research Institute, AUS</b><br>Immune responses to acute myeloid leukaemia   | 10:30 | 10:45  |
| 10:45  | 11:15  | <b>Morning Tea &amp; Trade Display</b>  | 10:45 | 11:15  |
| <b>Plaza P9 &amp; P10</b>  |        |   |       |        |
| <b>Session 7 - Myeloproliferative Neoplasms including CML</b><br>Sponsored by Bristol-Myers Squibb<br>Chairperson: Deborah White |        |   |       |        |
| 11:15  | 11:45  | <b>Timothy Hughes - South Australian Health and Medical Research Institute, AUS</b><br>Treatment Free Remission for Chronic Myeloid Leukemia in 2018  | 11:15 | 11:45  |
| 11:45  | 12:15  | <b>Carl Walkley - St Vincent's Institute, AUS</b><br>Understanding how RNA splicing mutations contribute to myelodysplastic syndrome  | 11:45 | 12:15  |
| 12:15  | 12:30  | <b>Stefan Eugen Sonderegger - Australian Centre for Blood Diseases, AUS</b><br>Inhibition of PRMT5 affects malignant erythroid differentiation and survival of Jak2V617F mutant precursors in myeloproliferative neoplasms. | 12:15 | 12:30  |
| 12:30  | 12:45  | <b>Sebastien Jacquelin - QIMR Berghofer Medical Research Institute, AUS</b><br>In vivo CRISPR editing of Dnmt3a in Jak2V617F Hematopoietic Stem Cells Induces Myelofibrosis through epigenetic reprogramming                | 12:30 | 12:45  |
| 12:45  | 13:00  | <b>NDLR 2018 Group Photo</b>  | 12:45 | 13:00  |
| 13:00  | 14:00  | <b>Lunch &amp; Trade Display</b>  | 13:00 | 14:00  |
| <b>Plaza P9 &amp; P10</b>  |        |   |       |        |
| <b>Session 8 - Lymphoma</b><br>Chairperson: Jake Shortt  |        |   |       |        |
| 14:00  | 14:30  | <b>Chan Cheah - Sir Charles Gairdner Hospital, AUS</b><br>Clinical Spotlight on Lymphoma  | 14:00 | 14:30  |
| 14:30  | 15:00  | <b>Gemma Kelly - Walter and Eliza Hall Institute, AUS</b><br>Investigating the potential of MCL-1 targeting for cancer therapy  | 14:30 | 15:00  |
| 15:00  | 15:15  | <b>Maher Gandhi - Princess Alexandra Hospital, AUS</b><br>The Tumor Microenvironment is Independently Prognostic of Conventional and Clinicogenetic Risk Models in Follicular Lymphoma                                      | 15:00 | 15:15  |
| 15:15  | 15:30  | <b>Suzanne Cory - Walter and Eliza Hall Institute, AUS</b><br>MYC-driven cells need MNT   | 15:15 | 15:30  |
| 15:30  | 16:00  | <b>Afternoon Tea &amp; Trade Display</b>  | 15:15 | 15:45  |
| <b>Plaza P9 &amp; P10</b>  |        |   |       |        |
| <b>Session 9 - Myeloma</b><br>Chairperson: Florian Heidel  |        |   |       |        |
| 16:00  | 16:30  | <b>Andrew Spencer - Monash University, AUS</b><br>Clinical Spotlight on Multiple Myeloma - A Disease in Evolution   | 16:00 | 16:30  |
| 16:30  | 16:45  | <b>Kimberley Clark - University of Adelaide, AUS</b><br>The role of the protein Gremlin1 in the bone marrow microenvironment in Multiple Myeloma: there are Gremlins in the system  | 16:30 | 16:45  |
| 16:45  | 17:00  | <b>Kyohei Nakamura - QIMR Berghofer Medical Research Institute, AUS</b><br>IL-18 critically drives immunosuppression in the multiple myeloma microenvironment   | 16:45 | 17:00  |
| <b>Plaza P9 &amp; P10</b>  |        |   |       |        |
| Chairpersons: Gemma Kelly & Ingrid Winkler   |        |   |       |        |
| 17:00  | 18:00  | <b>Equity in Science Forum</b>  | 17:00 | 18:00  |
| 18:15  | 19:00  | <b>Pre-dinner Drinks</b>  | 18:15 | 19:00  |
| 19:00  | 23:00  | <b>Conference Dinner</b>  | 19:00 | 23:00  |



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| Start   | Finish | <b>WEDNESDAY 28 MARCH 2018</b>  | Start | Finish |
|---|--------|---|-------|--------|
| 8:00  | 13:00  | <b>Registration Opens</b>   | 8:00  | 13:00  |
| <b>Plaza P9 &amp; P10</b>   |        |   |       |        |
| <b>Session 10 - Genomics</b><br>Chairperson: Andrew Perkins   |        |   |       |        |
| 8:30  | 9:15   | <b>Charles Mullighan - St Jude Children's Research Hospital, Memphis, USA</b><br>New mechanisms of treatment failure in acute lymphoblastic leukemia  | 8:30  | 9:15   |
| 9:15  | 9:45   | <b>Anna Brown - SA Pathology, Adelaide, AUS</b><br>Predisposition to Leukaemia – defining clonal evolution that harms or helps  | 9:15  | 9:45   |
| 9:45  | 10:00  | <b>Susan Heatley - SAHMRI, AUS</b><br>Exploring the genomic diversity of adult and AYA cases with high-risk B-ALL by mRNA sequencing.   | 9:45  | 10:00  |
| 10:00   | 10:15  | <b>Edward Chew - Walter and Eliza Hall Institute, AUS</b><br>Loss of MBD4 predisposes to familial AML with a unique mutational signature.   | 10:00 | 10:15  |
| 10:15   | 10:30  | <b>Pieter Van Vlierberghe - Ghent University, Belgium</b><br>Oncogenic activation and therapeutic targeting of PIM1 in T-ALL and T-LBL  | 10:15 | 10:30  |
| 10:30   | 11:00  | <b>Morning Tea &amp; Trade Display</b>  | 10:30 | 11:00  |
| <b>Plaza P9 &amp; P10</b>   |        |   |       |        |
| <b>Session 11 - New Therapeutic Approaches</b><br><b>Sponsored by Leukaemia Foundation</b><br>Chairpersons: Steven Lane & Luisa Cimmino |        |   |       |        |
| 11:00   | 11:30  | <b>Scott Lowe - Memorial Sloan Kettering Cancer Center, New York, USA</b>   | 11:00 | 11:30  |
| 11:30   | 12:00  | <b>Ingrid Winkler - Mater Institute, AUS</b><br>Endothelial niche adhesive regulation of normal and malignant haematopoietic stem cells   | 11:30 | 12:00  |
| 12:00   | 12:30  | <b>Michelle Henderson - Children's Cancer Institute, AUS</b><br>Developing new targeted agents for high-risk paediatric leukaemia   | 12:00 | 12:30  |
| 12:30   | 12:45  | <b>Fiona Brown - Monash University, AUS</b><br>MEF2C phosphorylation is required for chemotherapy resistance in acute myeloid leukemia  | 12:30 | 12:45  |
| 12:45   | 13:00  | <b>Gretchen Poortinga - Peter MacCallum Cancer Centre, AUS</b><br>BET protein inhibition sensitises ribosomal DNA to localised damage and provides a robust synergistic therapeutic strategy for treating AML | 12:45 | 13:00  |
| 13:00   | 13:30  | Conference Close & Prize Presentations<br><b>Ross Dickins &amp; Matt McCormack (Conference Co-Chairs)</b>   | 13:00 | 13:30  |
| 13:30   | 14:00  | <b>Lunch</b>  | 13:30 | 14:00  |