

Zero Childhood Cancer National Symposium



8-9th May 2024
Rydges World Square Sydney

WEDNESDAY 8 MAY 2024	
0730-1600	Registration Desk Open
0845-1030	Welcome & Session 1: Cancer Genomics
0845-0900	Welcome to Country by Uncle Allan Murray Convenor's Welcome, ZERO Program Updates & Acknowledgement of sponsors Minister's Welcome (video)
0900-1030	Session 1: Cancer Genomics <i>Chairs: Rebecca Poulos + Mark Pinese</i>
0900	Plenary 1: Prof Edwin Cuppen – Routine whole genome sequencing-based cancer diagnostics for precision medicine and enabling research
0945	Plenary 2: Prof David Thomas – Cancer genomics and clinical impact
1030-1100	Morning Break
1100-1300	Session 2: Cancer Biology & Models, Submitted Oral Presentation & Rapid Fire Presentations <i>Chairs: Lauren Brown & Richard D'Andrea</i>
1100	Address by Leading Partner – Illumina – Mr Joel Geoghegan, Business Unit Manager, Strategic Growth Amea Dept.
1103	Invited Speaker Presentation – Dr Mohamed Fareh – RNA targeting with CRISPR-Cas13: From fundamental principles to therapeutic applications
1130	Invited Speaker Presentation – Dr Sébastien Malinge – Towards precision medicine for Down syndrome ALL... and beyond...
1200-1230	Submitted Oral Presentations (12min + 3min Q&A)
1200	Dr Jason Berman – Larval zebrafish and mouse patient-derived xenografts are highly correlated and predict clinical drug responses of high-risk paediatric cancer patients
1215	Dr Jessica Buck – Inhibitors of the DNA damage response synergise with radiotherapy in the rare paediatric brain tumours pineoblastoma and Atypical Teratoid Rhabdoid Tumour
1230-1300	Rapid Fire Presentations (3min each)
1230	Mr Callum Perkins – P18. Phosphoproteomic profiling for novel target identification in childhood sarcomas: Paving the road towards improved outcomes for relapsed and metastatic osteosarcoma

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1233	Larissa Volken – P28. Advancing precision medicine in paediatric sarcoma: Harnessing DNA damage response pathway for targeted therapies
1236	Marta Emperador – P9. Modelling and targeting of the tumour microenvironment in therapy resistant neuroblastoma tumours
1239	Dr Charlotte Chen – P5. In-depth characterisation of the tumour immune microenvironment in paediatric solid cancers
1242	Dr Wenyan Li – P15. An atlas of cells in the cerebrospinal fluid of children with brain cancer
1245	Mr Rob Salomon – P22. AspIRe (ACRF Spatial Immune-oncology Research) Program: Enabling advanced analysis of the tumour immune microenvironment.
1248	Dr Kristine Barlow-Stewart – P2. Sharing raw genomic data with research participants. Policy and process development for returning the data and/or biospecimens to parents and young adult participants in a paediatric cancer precision medicine trial.
1251	Ms Emma Murdoch – P17. Paediatric Cancer Predisposition Clinical Genetics Service: A Tertiary Centre Experience
1254	Ms Eliza Courtney – P8. To return or not return, that is the question: development of the ZERO2 clinical reporting pipeline for germline whole genome sequencing in children, adolescents, and young adults diagnosed with cancer
1257	Marie Wong-Erasmus – Launching the Zero Childhood Cancer Portal
1300-1415	Lunch Break & Posters
1340-1400	Poster Session (Odd Numbered Posters & Virtual Posters) – Authors will be at their poster during the Poster Session to answer questions and discuss their poster. <i>NOTE: to find posters from the Rapid Fire Sessions, please view these under their Session in the program or search the poster gallery by author.</i>
1415-1530	Session 3: Preclinical Testing & High-Throughput Drug Screening <i>Chairs: Emmy Dolman & Raelene Endersby</i>
1415	Plenary 3: Dr Karin Langenberg – Implementation of paediatric precision oncology into clinical practice – the future is now
1500-1530	Submitted Oral Presentations (12min + 3min Q&A)
1500	Miss Zara Barger – ZERO and Beyond: Establishment, Characterisation, and Utilisation of Nine Novel Patient-Derived Osteosarcoma Cell Lines

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1515	Dr Jacqueline Whitehouse – 1q gain may predict long-term tumour cell engraftment in patient-derived xenograft models of Posterior Fossa A ependymoma
1530	Address by Major Partner – Bayer – Oncology MSL, Duthika Mallawaarachy, PhD
1530-1600	Afternoon Break
1600-1800	Session 4: Immuno-oncology <i>Chairs: Paul Ekert & Jason Cain</i>
1600	Invited Speaker Presentation – Dr Deborah Meyran – Paediatric Cancer Immunotherapy program: From Immune profiling to CAR-T cell development in Paediatric Solid Tumours
1630	Invited Speaker Presentation – Prof Misty Jenkins – Novel CAR T cells for paediatric brain cancer <i>Sponsored by</i>  Miltenyi Biotec
1700-1800	Submitted Oral Presentations (12min + 3min Q&A)
1700	Chelsea Mayoh – Paediatric glioma's have a spatially heterogeneous immune microenvironment exhibiting varying mechanisms of immune exclusion and infiltration
1715	Dr Elyse Page – Antibiotic induced gut dysbiosis accelerates acute lymphoblastic leukaemia and decreases response to targeted therapy in vivo
1730	Dr Pouya Faridi – Probing the Diversity and Plasticity of T-cell Targets in Paediatric Tumours using Immunopeptidomics
1745	Mr Alan Wu – Capturing Paediatric Cancer Knowledge From ZERO: A Graph Approach
1800	Close of Day 1
	<i>Delegates make own way to Pier One by foot, train, light rail or taxi.</i> <i>Approx. 30min walk</i> <ul style="list-style-type: none"> • 10-15min train/light rail (then 15min walk from Circular Quay station) • 15min taxi
1900-2200	Conference Dinner at Water @ Pier One 11 Hickson Rd, Walsh Bay NSW 2000 Click here for directions

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THURSDAY 9 MAY 2024	
0800-1600	Registration Desk Open
0845-1045	Welcome & Session 5: Cancer Risk & Predisposition <i>Chairs: Mark Pinese & Noemi Bueno Fuentes</i>
0845	Introduction to Day 2 – Ness Tyrrell
0855	Address by Major Partner - AGRF - Dr Cath Moore, Chief Scientific Officer
0900	Plenary Session 4 - Dr Catherine Goudie - The clinical and ethical challenges of cancer predisposition syndrome screening and diagnosis in children: a paediatric oncologist's perspective
0945-1030	Submitted Oral Presentations (12min + 3min Q&A)
0945	Dr Renee Santoreneos - Optimal strategies to identify heritable predisposition in children and adolescents with cancer: insights from an unselected institutional cohort. (Virtual Presentation)
1000	Ms Jiarna Zerella - Germline ERG haploinsufficiency defines a new syndrome with cytopenia and haematological malignancy predisposition
1015	Louise Doculara - Exploitation of next generation sequencing data improves development of quantitative PCR markers for monitoring measurable residual disease (MRD) in acute leukaemia
1030	A/Prof Martin Smith - Single molecule transcriptome profiling of pediatric leukemias enables low cost molecular diagnoses in real-time
1045-1115	Morning Break
1115-1300	Session 6: Health Economics & Implementation <i>Chairs: Ness Tyrrell & Kris Barlow Stewart</i>
1115	Invited Speaker Presentation - Prof Zornitza Stark - Lessons from implementing a national rapid genomic diagnosis program for rare disease
1200	Invited Speaker Presentation - A/Prof Stephanie Best - Collaboration in Implementation Science
1230-1300	Submitted Oral Presentations
1230	Dr Anita Villani - The SickKids Cancer Sequencing (KiCS) Program at 8 years: progress and future directions
1245	Dr Celine Cressman - Policy, regulation and system implementation for innovative therapeutics in childhood cancer. (Virtual Presentation)

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1415-1530	Session 7: Bioethics, Legal and Social Issues <i>Chairs: Eliza Courtney & Mitali Manzur</i>
1415	Invited Speaker Presentation - Dr Jane Tiller - Ethical, legal and social considerations for public health genomics in Australia
1500	Submitted Oral Presentation - Dr Kate Hetherington - "Still unsure if treatment will work but it's something!": Parents' experiences of treatment recommendations from a precision medicine trial for poor prognosis childhood cancer
1515-1530	Rapid Fire Presentations
1515	Cui Tu - P26. Spatial multi-omics reveals the interplay between the neuroblastoma microenvironment and infiltrating immune cells
1518	Patricia Sullivan - P23. Establishing empirical splicing guidelines: Bridging the gap between splicing biology and in silico predictions
1521	Ms Roxanne Cadiz - P4. Investigating the clinical utility of patient-derived xenograft testing for paediatric cancer precision medicine
1524	Ms Stefka Peykova - P19. ZeroDash: Accelerating precision medicine and building bridges through co-design and human-centred systems thinking
1527	Ms Meera Warby - P29. Precision Medicine in Paediatric oncology: Lessons Learned and the Evolution of ZERO2
1530-1600	Afternoon Break
1600-1800	Session 8: Trial Design & Clinical Translation & Closing & Awards <i>Chairs: Natacha Omer + Deborah Meyren</i>
<p>Sponsored by Luminesce Alliance</p>  <p>LUMINESCE Alliance Innovation for Children's Health</p>	

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1600	Invited Speaker Presentation - A/Prof Andy Moore - Precision medicine in childhood leukaemia: doing it to a T
1630-1700	Submitted Oral Presentations
1630	Ms Claire Moore - MARVEL-PIC Minimising Adverse Drug Reactions and Verifying Economic Legitimacy – A Pre-emptive Pharmacogenomics Program in Paediatric Oncology
1645	Ms Tayla Stenta - The role of pharmacogenomics in oncofertility risk stratification tools
1700-1745	Consumer/Community Panel Session <i>Facilitator: Ness Tyrrell</i> Panel: A/Prof Peter Downie, A/Prof Rachel Conyers, Ms Kimberly Dias, Ms Karen Johnston
1745	Close of meeting & award presentations Best Translation Oral – Sponsored by DayOne Best Translation Rapid Fire - Sponsored by DayOne Best Education Oral - Sponsored by DayOne Best Education Rapid Fire - Sponsored by DayOne 1st Place Poster - Sponsored by Miltenyi Biotec Runner up poster - Sponsored by Miltenyi Biotec
1800-1900	Closing Drinks