

8:45-9:00 Symposium Opening and Acknowledgement of Country
Conveners: Dr Rebecca Poulos (CMRI) & Dr Holly Holliday (CCI)

NSW Health Representatives:
Dr Kim Sutherland, Executive Director of the Office for Health and Medical Research
Professor Tracey O'Brien, NSW Chief Cancer Officer, NSW Health

Origins of Childhood Cancer - Session 1: Plenary I and Cells of Origin
Session Chairs: **Dr Fatima Valdes Mora and Dr Richard Mitchell**

9:00-9:40 Plenary: Prof Claudia Kleinman (30+10 mins)
Epigenome disruption, lineage programs, and genome architecture in pediatric brain tumors

9:40-10:10 Invited National Speaker: Prof David Eisenstat (25+5 mins)
Can we developmentally reprogram the cells-of-origin of paediatric high-grade gliomas?

10:10-10:35 Flash talks: PhD student finalists (4+1 mins)

Hannah Hartley: *Targeting the interplay between replication stress (RS) induced DNA damage response (DDR) and epigenetics in children with neuroblastoma and sarcoma*
Arjayeeta Samadder: *Targeting the Protein Post-Translational Modification of Citrullination in Diffuse Midline Glioma*
Sayali Gore: *T cell receptor therapies for the treatment of childhood cancers*
Jacqueline Hunter: *Delivering trio germline whole genome sequencing to patients newly diagnosed with childhood cancer: Healthcare professionals' perspectives of the PREDICT study*
Safaa Al Haj Hussein: *PREDICT and Validate: Investigating Germline Alterations in Paediatric Cancer Predisposition*

10:35-11:05 MORNING TEA (30 mins)

Origins of Childhood Cancer - Session 2: Germline Predisposition
Session Chairs: **Dr Marion Mateos and Dr Yuyan Chen**

11:05-11:35 Invited National Speaker: Dr Sebastien Malinge (25+5 mins)
Trisomy 21 in childhood leukaemia - from bench to targeted therapies

11:35-12:05 Invited National Speaker: Dr Mandy Ballinger (25+5 mins)
Risk management in multi-organ cancer predisposition

12:05-12:40 Short talks: Early Career Researcher Finalists (5+2 mins)

Katherine Giles: *Understanding SWI/SNF in Genome Stability to Improve its Therapeutic Potential*
Mawar Karsa: *Inhibition of nicotinamide metabolism to mitigate Venetoclax resistance in TP53 wildtype and mutant AML*
Aaminah Khan: *Inhibition of the Polyamine Pathway: A Novel Therapeutic Approach to Treat aggressive paediatric medulloblastoma*
Caitlin Ung: *Breaking Through Barriers: Innovative Approaches to Enhance Drug Delivery in Diffuse Intrinsic Pontine Glioma (DIPG)*
Urwah Nawaz: *Investigating mRNA-protein correlations in paediatric and adult cancers to inform precision medicine*

12:40-13:30 LUNCH (50 mins)

Origins of Childhood Cancer - Session 3: Epigenetic, Embryonic and Spatial Drivers
Session Chairs: **Dr Kate Giles and Dr Toby Trahair**

13:30-14:00 Invited National Speaker: Prof Brandon Wainwright (25+5 mins)
Spatial transcriptomics defines a differentiation response to CDK4/6 inhibition in medulloblastoma

14:00-14:30 Invited National Speaker: Dr Melanie Eckersley-Maslin (25+5 mins)
Hijacking embryonic developmental pathways in cancer

14:30-15:00 Invited National Speaker: Dr Joanna Achinger-Kawecka (25+5 mins)
The 3D Genome as a Target for Epigenetic Therapy in Cancer

15:00-15:30 AFTERNOON TEA (30 mins)

Origins of Childhood Cancer - Session 4: Plenary II and Cancer Heritability Panel
Session Chairs: **Dr Jamie Fletcher and Dr Bhavna Padhye**

15:30-16:10 Plenary: Prof William Weiss (30+10 mins)
Mechanisms and Models for Neuroblastoma

16:10-16:45 Panel discussion - Cancer Heritability (35 mins)
Dr Bhavna Padhye (Host), Dr Noemi Fuentes-Bolanos, Dr Dianne Sylvester, Ms Eliza Courtney and Consumer Representative

16:45-17:00 Award Presentations and Concluding Remarks
KCA Director: Prof David Ziegler and KCA Deputy Director: Prof Geraldine O'Neill

17:00-18:00 CONFERENCE DRINKS RECEPTION