Dr. Loretta Lau – Molecular Oncologist, Sydney Children’s Hospital, Randwick; Precision Oncologist, Sydney Children’s Hospital Network; Children’s Cancer Research Institute; Conjoint Senior Lecturer, School of Women & Children’s Health, UNSW Sydney

CDK4/6 and PI3K/mTOR - PROM data - Natural Clinical Trial

eThe presence of CDK4/6 and PI3K/mTOR can be a target in paediatric sarcoma.

Dr. Loretta Lau is a molecular oncologist with expertise in precision oncology. Here, she will discuss the results of PROM, an Australian national paediatric precision oncology trial, focusing on the CDK4/6 and PI3K/mTOR pathways.

11:45 – 12:00
Associate Professor Katherine Janeway MD, PhD, FRCPath – Director of Clinical Genomics, Genobank Cancer Institute, Senior Fellow, St. Jude Children’s Research Hospital; Pediatrician, Children’s Cancer & Blood Diseases Institute, Associate Professor, Pediatrics, Harvard Medical School, USA

Lessons from MATCH and GAIN

Dr. Katherine Janeway is Co-Chair of the target and agent prioritization committee of the COG-NCI MATCH molecular trials for therapy trials. She has also been an investigator in clinical trials of children with high-risk solid tumours. Here she will discuss the development and pilot results of two CDK4/6 inhibitors in the context of basket studies.

12:00 – 12:30
LUNCH

Session 3: Sarcomas: New strategies and tough decisions

Chaired by Dr Toby Trahair, Paediatric and Adolescent Oncologist, Kids Cancer Centre, Sydney Children’s Hospital, Randwick and Clinical Research Fellow, Children’s Cancer Research Institute, Associate Professor, Pediatrics, Harvard Medical School, USA

Application of Car-T cell therapies in treating sarcoma

Dr. Kramer is a scientist leading a team who are testing CAR T cell therapies for solid tumours. Here he will discuss the potential role and technical challenges with liquid biopsies to monitor treatment in paediatric sarcoma.

2:55 – 3:10
Associate Professor Jonathan Karpelowsky – Director of Clinical Genomics, Genobank Cancer Institute, Senior Research Scientist, Cancer Gene Therapy Group, Kids Research, The Children’s Hospital, Westmead

Role of liquid biopsies in paediatric sarcoma

Associate Professor Jonathan Karpelowsky leads a team focused on liquid biopsies in paediatric solid cancers. Here he will discuss the potential role and technical challenges with liquid biopsies to monitor treatment in paediatric sarcoma.

3:10 – 3:25
Dr. Ursula Sansom-Daly – Clinical Psychologist, Sydney Children’s Hospital, Randwick and Deputy Head of the Behavioural Sciences Unit, Kids Cancer Centre, Sydney Children’s Hospital/MANTRA Sydney. This talk will bring together research and international efforts to understand adolescent/cancer patients’ ‘coping needs around end-of-life communications, as well as the development of tools to support these conversations.

3:25 – 3:35
Associate Professor Abby K. Rosenberg MD, MS, MA – Associate Professor of Pediatrics at the University of Washington, with joint appointments in the divisions of Hematology Oncology and Blood and Marrow Transplantation. She is the Director of the Adolescent Care and Research Unit at Seattle Children’s Research Institute, and the Director of Pediatrics at the UW Paley Bone Marrow Transplant Center of Excellence.

Taboo topics: Evidenced-based strategies for navigating tough conversations with AYAs with cancer

Following on from Professor Rosenberg’s Day 1 presentation, in this talk she will describe her own experience, research, and lessons learned navigating difficult conversations with AYAs with advanced cancer.

4:00 – 5:00
Awarding of Prizes and Networking Drinks

Presented by Associate Professors Katie Janeway and Abby Rosenberg

5:00
END OF DAY 2

WITH PRESENTATIONS BY TWO INTERNATIONAL EXPERTS, ASSOCIATE PROFESSOR ALBRECHT ROBBEN MD, MS, MA AND ASSOCIATE PROFESSOR KATHERINE JANEWAY MD

Thursday 31 October and Friday 1 November, 2019
Australian National Maritime Museum, Darling Harbour, Sydney

CANCER INSTITUTE NSW
Translational Cancer Research

ADOLESCENT and YOUNG ADULT ONCOLOGY SYMPOSIUM: P13K, Precision and Palliative Care
Session 1: Early Cancer Research Workshop – Writing for Grants

Chaired by Dr Ross Graham, Senior Deputy Group, Children’s Medical Research Institute, School of Biomedical and Life Sciences, University of New South Wales, Australia and Melbourne Cancer Centre, Westmead Hospital, University of Sydney.

9:00 – 10:15

Professor Roger Bundred – Director of Children’s Medical Research Institute, Melbourne, SIDCONE, Member, Corpus of Biomedical Ethics, University of Sydney.  Effective and Efficient Grant Writing

Professor Bundred is an internationally-regarded expert on cancer cell immortalisation, is a very creative and prolific writer, and an expert in effective and efficient grant writing because of the role of being co-founder, NCI-investigator writing grants application. He will talk on techniques for preparing effective grant applications as efficiently as possible.

10:00 – 10:10

A/Prof Graham McMullin – Director of Clinical Cancer and Breast Cancer and Director of the Breast Cancer Foundation.  Case study: Writing a good Grant

A/Prof McMullin is an experienced and respected breast cancer oncologist and the author of many international research grants.  He will discuss the role of the using various tools to maximise the success rate of RIA applications.

10:10 – 10:30

Professor Wayne Phillips – Head, Cancer Biology and Surgical Oncology (tumor lab and cancer lab) and Reader in Cancer Biology, Children’s Health, UNSW Sydney and Kids Cancer Centre, Sydney Children’s Hospital, Randwick, Garvan Institute of Medical Research; Conjoint Senior Lecturer, School of Medical Sciences, UNSW Sydney

Professor Phillips is an experienced cellular and molecular biologist with a long-standing interest in PI3K – more than just an oncogene. He will provide an overview of the PI3K pathway and discuss the biological consequences and clinical significance of PI3K inhibition.

Session 2: Phosphoinositide 3-kinase (PI3K) pathway and cancer

Chaired by Dr. Rina Hui, Associate Professor of Pediatrics at the DAY 2 Director of Clinical Genomics, Laboratory Head, Connie Johnson Breast Cancer Research, DAY 1

11:10 – 11:30

Dr. Debbecca Thomas – Anthony Research Associate, Institute of Psychiatry, The University of Sydney, Churchill Fellowships in Medical Research, University of Sydney.  The PI3K pathway: Implications for cancer recurrence in breast cancer

Dr. Thomas is a clinical psychologist in private practice. She has been involved in psychopharmacology research for the past 15 years both in Australia and the United Kingdom. She has published widely on the role of family influences in the treatment of adult mental health disorders. Her research interests include the role of personality variables and what clinicians can do to prevent and respond to severe and debilitating forms of cancer recurrence.

1:15 – 1:45

Dr. Leigh Donovon – Associate Professor at Children’s Health, Queensland Children’s Health, Private Practice, Children’s Hospital of Philadelphia, Associate Professor, Psychiatry, University of Sydney and Sydney Children’s Hospital.

Dr. Donovan is a highly regarded clinician and researcher in the field of bereavement in the context of pediatric cancer and perioperative palliative care. His presentation will share an output of Dr Donovan’s research ‘Walking alongside’, an audio-visual resource developed to provide guidance for professionals working alongside a dying child, which has the potential for use by professionals caring for AYAs.

1:45 – 2:15

Professor Phillips is an experienced cellular and molecular biologist with a longstanding interest in the role of PI3K in cancer. He will provide an overview of the PI3K pathway and discuss the biological consequences and clinical implications of PI3K inhibition.

2:45 – 3:15

Dr. Stephanie Blows – Associate Professor and Senior Medical Oncology, Children’s Hospital, Randwick and School of Women’s and Children’s Health, UNSW Sydney.  High risk breast cancer: the role of PI3K/mTOR pathway in the development of resistance

Dr. Blows is an experienced medical oncologist in pediatric oncology and pediatric palliative care. This presentation will share an output of Dr Blows’ research ‘Walking alongside’, an audio-visual resource developed to provide guidance for professionals working alongside a dying child, which has the potential for use by professionals caring for AYAs.

2:15 – 2:45

Steindor’s Rapid Film Presentations

2:45 – 3:15

AFTERNOON茶

Session 3: CDK4/6 Pathway – Biology, Psychology and Drug Targeting

Chaired by Dr. Dina Loh – Associate Professor of Pediatrics at the University of Washington, Seattle Children’s Research Institute, and the Director of Hematologic Malignancies at Seattle Children’s Hospital.

2:45 – 3:15

Dr. Stephanie Blows – Associate Professor at Children’s Health, Queensland Children’s Health, Private Practice, Children’s Hospital of Philadelphia, Associate Professor, Psychiatry, University of Sydney and Sydney Children’s Hospital.

Dr. Blows is an experienced medical oncologist in pediatric oncology and pediatric palliative care. This presentation will share an output of Dr Blows’ research ‘Walking alongside’, an audio-visual resource developed to provide guidance for professionals working alongside a dying child, which has the potential for use by professionals caring for AYAs.

3:15 – 4:15

Student and Early Career Researcher Finalists – Oral presentation

4:15 – 5:00

Associate Professor Abby R. Rosenberg MD, MS, MA – Associate Professor of Pediatrics at the University of Washington, with joint appointment in the Division of Hematologic Oncology and Blood and Marrow Transplantation. She is the Director of the Pediatric Cancer and Research and Silver Star Children’s Hospital. She is also an Adjunct in the Seattle Children’s Cancer Care Center of Excellence.

Promoting Resilience among AYA with Cancer: the story of the PRISM intervention

Associate Professor Bundred is principal investigator on many clinical trials in breast and lung cancer, including CDK4/6. He has studied the effectiveness using various tools to overcome resistance in the management of breast cancer and the promising data on ARK inhibitors for PIK3CA mutation positive breast cancer.

Session 4: From in vitro models to Instagram: harnessing translational research to improve AYA’s across the cancer trajectory

Chaired by Dr. Sir Lorimer Dods – Sir Lorimer Dods Professor, Sydney Medical School, The University of Sydney

2:45 – 3:15

Dr. Belinda Thewes – Honorary Senior Research Fellow, Clinical Psychologist, The Health Psychology Clinic and Honorary Research Associate, School of Psychology, The University of Sydney; Honorary Research Fellow, Sydney Children’s Hospital, Randwick;

Dr. Thewes is a clinical psychologist in private practice. She has been involved in psycho-oncology research for the past 15 years both in Australia and the United Kingdom. She has published widely on the role of family influences in the treatment of adult mental health disorders. Her research interests include the role of personality variables and what clinicians can do to prevent and respond to severe and debilitating forms of cancer recurrence.

3:15 – 4:15

Professor Rina Hui – Associate Professor of Pediatrics at the University of Sydney and Sydney Children’s Hospital, Randwick.

Professor Hui is principal investigator on many clinical trials in breast and lung cancer, including CDK4/6. He has studied the effectiveness using various tools to overcome resistance in the management of breast cancer and the promising data on ARK inhibitors for PIK3CA mutation positive breast cancer.

Session: The Power of a PhD: a Panel Discussion Exploring Career Pathways

Chaired by Dr. Noa Lamm-Shalem, Genome Integrity Group, Children’s Medical Research Institute, Member of the Early Career Professionals and Training Committee, Cancer Australia

9:00 – 9:30

Dr. Cleola Anderiesz – Principal Investigator at Dana-Farber Cancer Institute, Seattle Children’s Research Institute

Dr. Anderiesz is a highly regarded clinician and researcher in the field of pediatric cancer and perioperative palliative care. Her presentation will share an output of Dr Donovan’s research ‘Walking alongside’, an audio-visual resource developed to provide guidance for professionals working alongside a dying child, which has the potential for use by professionals caring for AYAs.

9:30 – 10:00

Associate Professor Stephanie Renouf – Director of Callaghan Cancer Research, Seattle Children’s Hospital.

Dr. Renouf is a highly regarded clinician and researcher in the field of pediatric cancer and perioperative palliative care. Her presentation will share an output of Dr Donovan’s research ‘Walking alongside’, an audio-visual resource developed to provide guidance for professionals working alongside a dying child, which has the potential for use by professionals caring for AYAs.

10:00 – 10:15

Dr. Stephanie Blows – Associate Professor at Children’s Health, Queensland Children’s Health, Private Practice, Children’s Hospital of Philadelphia, Associate Professor, Psychiatry, University of Sydney and Sydney Children’s Hospital.

Dr. Blows is an experienced medical oncologist in pediatric oncology and pediatric palliative care. This presentation will share an output of Dr Blows’ research ‘Walking alongside’, an audio-visual resource developed to provide guidance for professionals working alongside a dying child, which has the potential for use by professionals caring for AYAs.

10:15 – 10:30

Dr. Stephanie Blows – Associate Professor at Children’s Health, Queensland Children’s Health, Private Practice, Children’s Hospital of Philadelphia, Associate Professor, Psychiatry, University of Sydney and Sydney Children’s Hospital.

Dr. Blows is an experienced medical oncologist in pediatric oncology and pediatric palliative care. This presentation will share an output of Dr Blows’ research ‘Walking alongside’, an audio-visual resource developed to provide guidance for professionals working alongside a dying child, which has the potential for use by professionals caring for AYAs.

10:30 – 10:45

LEUNCH

5:00 – 6:15

END OF DAY 1
Session 1: Early Cancer Research Workshop – Writing for Grants

Chair: Dr Leigh Donovan – Deputy Chair, Cancer Australia

10:20 – 10:45 Chaired by Dr Pauline Foster – Senior Medical Oncologist, Cancer Care Group, St Vincent’s Hospital, Sydney

Dr Pauline Foster – Professor of Oncology, Sydney Medical School, The University of Sydney

Effect of hormone therapy resistance on the management of breast cancer

10:45 – 10:50

Dr Pauline Foster – Professor of Oncology, Sydney Medical School, The University of Sydney

Green S methodology and the emerging spectre of resistance

11:00 – 11:15

Dr Pauline Foster – Professor of Oncology, Sydney Medical School, The University of Sydney

Dr Pierre Massard – Professor of Oncology, University of California, Los Angeles and Dana-Farber Cancer Institute, Boston

Dr Pierre Massard – Professor of Oncology, University of California, Los Angeles and Dana-Farber Cancer Institute, Boston

Biology of hormone therapy resistance in breast cancer

11:15 – 11:30

Dr Pauline Foster – Professor of Oncology, Sydney Medical School, The University of Sydney

Dr Pierre Massard – Professor of Oncology, University of California, Los Angeles and Dana-Farber Cancer Institute, Boston

Dr Pierre Massard – Professor of Oncology, University of California, Los Angeles and Dana-Farber Cancer Institute, Boston

Biology of hormone therapy resistance in breast cancer
Session 1: Early Cancer Research Workshop – Writing for Grants

Chair: Dr Lisa Lampe, Deputy Director, Women's and Children's Health

10:00 – 10:30

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17:00 – 17:15

17:15 – 18:00

18:00 – 18:15

18:15 – 18:30

18:30 – 19:00

19:00 – 20:00
Early Career Researchers’ Rapid Fire Oral Presentations

Application of Car-T cell therapies in treating sarcoma

Dr. Karpelowsky leads a team focused on liquid biopsies in paediatric solid cancers.

Role of liquid biopsies in paediatric sarcoma

The Sydney Children’s Hospital Network, Westmead

Dr. Sansom-Daly is the Clinical Psychologist at Sydney Youth Cancer Service, and Deputy Head of the Behavioural Sciences Unit, Kids Cancer Centre, Sydney Children’s Hospital/UNSW Sydney. In this talk, she will highlight recent Australian and international efforts to understand end-of-life discussions ‘training needs’ around end-of-life communications, as well as the development of tools to support these conversations.

Lessons from MATCH and GAIN

Sydney Children’s Hospital, Randwick and Clinical Research Fellow, Children’s Cancer Institute

Dr. Lau is a molecular oncologist with expertise in precision oncology. Here, she will discuss the results of PRISM, an Australian national paediatric precision oncology trial, focusing on the FISH/IDH and CDK4/6 pathways.

CDK4/6 and PI3K/mTOR – PRISM data – National Clinical Trial

Lecturer, School of Women & Children’s Health, UNSW Sydney

Deborah Lau – Paediatric Oncologist, Sydney Children’s Hospital, Randwick; Research Consultant, Behavioural Sciences Unit, UNSW Sydney; Research Fellow, School of Women & Children’s Health, UNSW Sydney

Clinical trials for adolescents and young adults – who should make the treatment decision?

Dr. Robertson recently developed the world-first decision aid to support families deciding whether of the decision aid, and also present the unique barriers faced by adolescents and young adults to enrol in a paediatric oncology clinical trial. Here, she will discuss the pre-clinical studies that show efficacy in targeting sarcomas, and the challenges of translating this work into the clinic.

PI3K/mTOR and CDK4/6 pathways.

Dr. Janeway is co-Chair of the target and agent prioritization committee of the COG-NCI MATCH study (the GAIN consortium/iCat2 study) in which over 450 children with high risk solid tumors have been sequenced. She has experience in considering genomic inclusion criteria for trials of CDK4/6 inhibitors in the context of basket studies.

Lessons from MATCH and GAIN

Dr. Janeway is a Senior Paediatric Oncologist, Sydney Children’s Hospital, Randwick; Children’s Cancer and Blood Diseases Centre, Associate Professor, Paediatrics, Harvard Medical School, USA.

Relevance of CDK4/6 as a therapeutic target in paediatric solid tumours

Sydney Children’s Hospital, Randwick and Clinical Research Fellow, Children’s Cancer Institute

Chaired by Dr. Toby Trahair, Paediatric and Adolescent Oncologist, Kids Cancer Centre, Sydney Children’s Hospital, Randwick and Clinical Research Fellow, Children’s Cancer Institute

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Clinical trials for adolescents and young adults – who should make the treatment decision?

Dr. Robertson recently developed the world-first decision aid to support families deciding whether
Dr. Loretta Lau – Molecular Oncologist, Sydney Children’s Hospital, head of precision Oncology Special, Sydney Children’s Hospital Network, Children's Cancer Research Institute. Current Senior Lecturer, School of Medical & Health Sciences, UNSW Sydney.

The Sydney Children’s Hospital Network, Westmead

Role of liquid biopsies in paediatric sarcoma

Dr. Jaime H. Karpelowsky leads a team focused on liquid biopsies in paediatric solid cancers. Here he will discuss the potential role and technical challenges with liquid biopsies to monitor treatment in paediatric sarcoma.

11:45 – 12:30

Associate Professor Katherine Janeway MD – Director of Clinical Genomics, Genitourinary Cancer Institute, Senior Clinical Fellow, Starlight Children’s Foundation. Associate Professor, Pediatric, Harvard Medical School, USA

Relevance of CDK4/6 as a therapeutically targetable mutation in sarcomas: Lessons from MATCH and GAIN

Dr. Janeway is on Chair of the larger and agent prioritization committee of the COG-REACH-MATCH molecular allometry for therapy directed trials. She also runs a multidisciplinary clinical sequencing study that于GAIN controlled all AYA’s in which over 450 children with high risk solid tumours are being sequenced for genomic inclusion criteria for trials of CDK4/6 inhibitors in the context of basket studies.

Associate Professor Jonathan Karpelowsky – Clinical Trials Research Consultant, Behavioural Sciences Unit, UNSW Sydney; Research Consultant, Behavioural Sciences Unit, Kids Cancer Centre, Sydney Children’s Hospital/UNSW Sydney. He will discuss the pre-clinical studies that show efficacy in targeting sarcomas, and the challenges of translating this work into the clinic.

2:10 – 2:25

Dr. Eden Robertson – Senior Research Scientist, Cancer Gene Therapy Group, Kids Research, The Children’s Hospital, Westmead

Role of local implantation in paediatric sarcoma

Associate Professor Kasperczyk heads a team focused on local implantation in paediatric solid cancers. Here he will discuss the potential role and technical challenges with liquid biopsies to monitor treatment in paediatric sarcoma.

2:10 – 2:25

Led by the Sydney Children’s Hospital, Randwick and Clinical Research Fellow, Children’s Cancer Institute.

2:25 – 3:10

Dr. Eden Robertson – Research Consultant, Behavioural Sciences Unit, UNSW Sydney; Research and Evaluation Manager, Starlight Children’s Foundation. Clinical trials for adolescents and young adults – who should make the treatment decision?

Dr. Robertson recently developed the world’s first decision aid for support families deciding whether to enroll in a paediatric oncology clinical trial. Here, she will discuss the development and pilot results of the decision aid, and also present the unique barriers faced by adolescents and young adults regarding clinical trial enrolment.

Role of local implantation in paediatric sarcoma

2:10 – 2:25

Sydney Children’s Hospital, Randwick and Clinical Research Fellow, Children’s Cancer Institute.

3:10 – 3:35

Session 4: Courageous communication in the face of difficult discussions with AYAs

Chaired by Dr. Geoff McCowage – Senior Paediatric Oncologist, Cancer Centre for Children, The Children’s Hospital, Westmead

Session 3: The evidence and the science

Chaired by Dr. Sony Traynor, Paediatric and Adolescent Oncology, Kids Cancer Centre, Sydney Children’s Hospital, Randwick and Clinical Research Fellow, Children’s Cancer Institute.