



## Priority-driven Collaborative Cancer Research Scheme 2018

Cancer Australia, Cure Cancer Australia, Cancer Council Australia, Leukaemia Foundation, My Room, Pancare Foundation, The Kids' Cancer Project, and Children's Hospital Foundation, are pleased to announce successful applicants in the 2018 Round of the Priority-driven Collaborative Cancer Research Scheme.

### **Adams, Mark**

Queensland University of Technology

*Enhancing non-small cell lung cancer sensitivity to front-line chemotherapy by exploiting cell cycle checkpoint factors*

Funded by: Cure Cancer Australia

### **Brumatti, Gabriela**

The Walter and Eliza Hall Institute of Medical Research

*Targeting multidrug resistance protein 1 (MDR1) enhances the efficacy of Smac-mimetic-based therapy in Acute Myeloid Leukaemia*

Funded by: Cancer Australia and Leukaemia Foundation of Australia

### **Cowley, Mark**

Children's Cancer Institute

*Decoding the Dark Matter of the High-Risk Paediatric Cancer Genome*

Funded by: Cancer Australia and My Room

### **Da Gama Duarte, Jessica**

Olivia Newton-John Cancer Research Institute

*Measuring immune engagement to predict clinical responses to immunotherapy.*

Funded by: Cure Cancer Australia

### **Ebert, Martin**

University of Western Australia

*Mixed radiotherapy fractionation: modulating tumour microenvironment to stimulate and enhance immunotherapy*

Funded by: Cancer Australia

### **Edgington-Mitchell, Laura**

Bio21 Institute

*Proteases and PAR2 are key mediators of cancer pain*

Funded by: Cancer Australia and Cure Cancer Australia

### **Grimison, Peter**

Chris O'Brien Lifehouse

*P3BEP Trial: Accelerating First-Line Chemotherapy to Improve Cure Rates for Advanced Germ Cell Tumours: An Australian-Led, International Randomised Trial*

Funded by: Cancer Australia

### **Guimaraes, Fernando**

The Walter and Eliza Hall Institute of Medical Research

*Targeting alternative SMAD-related suppressive signalling pathway enhance NK cell response*

Funded by: Cancer Australia and Cure Cancer Australia

**Hancock, Sarah**

University of New South Wales

*Understanding metabolite heterogeneity in pancreatic ductal adenocarcinoma, and its role in adaptive metabolic reprogramming during chemotherapy treatment*

Funded by: Cure Cancer Australia

**Hayes, Sandra**

Queensland University of Technology

*The ECHO trial: Exercise during CHEmotherapy for Ovarian cancer*

Funded by: Cancer Australia

**Henderson, Michelle**

University of New South Wales

*Targeting the NAD pathway as a new therapeutic strategy for high-risk leukaemia in children*

Funded by: Cancer Australia, The Kids' Cancer Project and Leukaemia Foundation of Australia

**Holien, Jessica**

St Vincent's Institute of Medical Research

*Targeting key protein-protein interactions in Neuroblastoma*

Funded by: Cure Cancer Australia

**Hovey, Elizabeth**

Prince of Wales Hospital

*Personalised targeted therapy for adolescent and young adult medulloblastoma patients*

Funded by: Cancer Australia and The Kids' Cancer Project

**Jacquelot, Nicolas**

The Walter and Eliza Hall Institute of Medical Research

*Definition of the role of key Innate Lymphoid Cell regulators in melanoma control*

Funded by: Cancer Australia and Cure Cancer Australia

**Janic, Ana**

The Walter and Eliza Hall Institute of Medical Research

*Identifying which DNA repair mechanisms are critical for p53-mediated tumour suppression*

Funded by: Cancer Australia, Cure Cancer Australia and Leukaemia Foundation of Australia

**Jefford, Michael**

Peter MacCallum Cancer Centre

*SCORE: Shared care of Colorectal cancer survivors – A randomised controlled trial of hospital-based follow up versus shared hospital / general practice follow up for survivors of colorectal cancer (CRC)*

Funded by: Cancer Australia

**Jenkins, Misty**

The Walter and Eliza Hall Institute of Medical Research  
*Designing Chimeric Antigen Receptor T cells for Diffuse Intrinsic Pontine Glioma*  
Funded by: Cancer Australia

**Kahl, Vivian**

Children's Medical Research Institute  
*Developing telomere fibre analysis to measure telomere length dynamics in cancer cells*  
Funded by: Cure Cancer Australia

**Keane, Colm**

The University of Queensland  
*Investigation of the key immuno-genetic drivers of Primary Central Nervous System Lymphoma that occurs in patients with HIV infection*  
Funded by: Cancer Australia and Cure Cancer Australia

**Kisely, Steve**

The University of Queensland  
*What is the impact of the National Bowel Cancer Screening Program on colorectal cancer outcomes for people over the age of 50 with severe mental illness?*  
Funded by: Cancer Council Australia

**Lindeman, Geoffrey**

The Walter and Eliza Hall Institute of Medical Research  
*Targeting BCL-2 in estrogen receptor positive breast cancer*  
Funded by: Cancer Australia

**Martin, Jarad**

Calvary Mater Newcastle  
*Novel Integration of New prostate radiation schedules with adJuvant Androgen deprivation (NINJA)*  
Funded by: Cancer Australia

**Nassar, Zeyad**

The University of Adelaide  
*Targeting polyunsaturated fatty acid metabolism to overcome prostate cancer treatment resistance*  
Funded by: Cure Cancer Australia

**Nguyen, Linh**

University of Melbourne  
*Novel mammographic density measures, Pike's model of breast tissue ageing, and other risk factors for breast cancer*  
Funded by: Cure Cancer Australia

**Poh, Ashleigh**

Olivia Newton-John Cancer Research Institute  
*Targeting HCK in pancreatic ductal adenocarcinoma to restrict tumour growth and metastasis*

Funded by: Cancer Australia, Cure Cancer Australia and Pancare Foundation

**Raninga, Prahlad**

QIMR Berghofer Medical Research Institute

*A novel proteasome inhibitor to treat basal-like primary and metastatic triple-negative breast cancers*

Funded by: Cure Cancer Australia

**Symonds, Erin**

Flinders University

*Personalising treatment and surveillance for colorectal cancer: prognostication with the circulating tumour-derived methylated DNA markers BCAT1 and IKZF1*

Funded by: Cancer Australia

**Vandyke, Kate**

The University of Adelaide

*N-cadherin inhibitors as vascular disrupting agents: increasing drug delivery to tumours and improving quality of life for cancer patients*

Funded by: Cancer Australia, Cure Cancer Australia and Leukaemia Foundation of Australia

**Vine, Kara**

Illawarra Health and Medical Research Institute

*Implantable drug-eluting device: localised drug delivery for non-resectable pancreatic cancer*

Funded by: Pancare Foundation

**Wainwright, Brandon**

The University of Queensland

*Exploiting CDK4/6 inhibition to treat medulloblastoma*

Funded by: Cancer Australia, The Kids' Cancer Project and Children's Hospital Foundation

**Wang, Jenny**

Children's Cancer Institute

*Therapeutic targeting of a novel self-renewal signalling in leukaemia stem cells*

Funded by: Cancer Australia and Leukaemia Foundation of Australia

**Weeden, Clare**

The Walter and Eliza Hall Institute of Medical Research

*Deep molecular profiling of primary lung cancers, their metastases and the immune microenvironment to identify novel therapeutic targets*

Funded by: Cure Cancer Australia

**Ziegler, David**

Sydney Children's Hospital

*Targeting Polo-like kinase 1 as a novel therapeutic opportunity for Diffuse Intrinsic Pontine Gliomas*

Funded by: Cancer Australia and The Kids' Cancer Project