



## Priority-driven Collaborative Cancer Research Scheme 2019

Cancer Australia, Australian Lions Childhood Cancer Research Foundation, Cure Cancer, Leukaemia Foundation, My Room, National Breast Cancer Foundation, and The Kids' Cancer Project, are pleased to announce successful applicants in the 2019 Round of the Priority-driven Collaborative Cancer Research Scheme.

### **Bock, Nathalie**

Queensland University of Technology

*Bioengineered humanised models: A novel preclinical platform for bone metastatic cancer research*

Funded by: Cancer Australia and Cure Cancer

### **Brooks, Kelly**

The Council of the Queensland Institute of Medical Research

*Investigating poly-ADP ribose polymerase inhibitors (PARP) for the treatment of splicing factor 3b subunit 1 (SF3B1) mutant melanoma*

Funded by: Cancer Australia and Cure Cancer

### **Campbell, Ian**

Peter MacCallum Cancer Centre

*Integrative approaches to identifying the causes of familial breast cancer*

Funded by: Cancer Australia and National Breast Cancer Foundation

### **Cantley, Melissa**

The University of Adelaide

*Using novel high-precision proteomic analysis to discover biomarkers that identify smouldering myeloma patients at high-risk of progression to active multiple myeloma*

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

### **Care, Andrew**

Macquarie University

*"Cage fighting" with neuroblastoma: Engineering a protein nanocage for targeted ionophoric-copper therapy*

Funded by: Cancer Australia, The Kids' Cancer Project, and Australian Lions Childhood Cancer Research Foundation

### **Cheung, Laurence**

Telethon Kids Institute

*New therapeutic strategies for children with high-risk leukaemia by dissecting and targeting the bone marrow microenvironment*

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

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

Olivia Newton John Cancer Research Institute

*Predicting immunotherapy treatment outcomes in rare cancers*

Funded by: Cure Cancer

### **Deng, Niantao**

The Garvan Institute of Medical Research

*Understanding breast cancer patients' response to neoadjuvant chemotherapy at single-cell resolution*

Funded by: Cure Cancer

**Ebert, Lisa**

Central Adelaide Local Health Network

*Predicting and improving anti-tumour responses to immunotherapy in advanced cancer patients*

Funded by Cancer Australia

**Emery, Jon**

University of Melbourne Centre for Cancer Research, Victorian Comprehensive Cancer Centre

*SCRIPT: an RCT of genomic-based stratified colorectal cancer screening in primary care*

Funded by: Cancer Australia

**Haber, Michelle**

Children's Cancer Institute

*Enhanced polyamine depletion as a novel therapy for aggressive childhood cancers*

Funded by: Cancer Australia and The Kids' Cancer Project

**Hao, Marlene**

University of Melbourne

*A gut feeling about new therapies for glioma research: lessons from the enteric nervous system*

Funded by: Cure Cancer

**Holien, Jessica**

St Vincent's Institute of Medical Research

*Identification of novel therapeutic targets in mucinous ovarian cancer*

Funded by: Cure Cancer

**Hollande, Frederic**

University of Melbourne Centre for Cancer Research, Victorian Comprehensive Cancer Centre

*The preclinical validation of radio-labelled girentuximab as a theranostic agent in metastatic colorectal cancer*

Funded by: Cancer Australia

**Horvath, Lisa**

Chris O'Brien Lifehouse

*Immuno-metabolic biomarkers to predict treatment response in metastatic prostate cancer*

Funded by: Cancer Australia

**Kavallaris, Maria**

Children's Cancer Institute

*Functional precision medicine for aggressive childhood cancers*

Funded by: Cancer Australia

**Keall, Paul**

University of Sydney

*Remove the mask: reducing anxiety and distress for head and neck cancer radiotherapy patients*

Funded by: Cancer Australia

**Kulasinghe, Arutha**

Queensland University of Technology

*Multidimensional spatial profiling of the tumour microenvironment and liquid biopsy to determine response to immunotherapy*

Funded by: Cure Cancer

**Lesterhuis, Willem**

Telethon Kids Institute

*Intraoperative immunotherapy to prevent relapse in soft tissue sarcoma*

Funded by: Cancer Australia and The Kids' Cancer Project

**Li, Shuai**

University of Melbourne

*Integrating epigenomics and genomics to understand the causal pathways and mechanisms of how menarche and menopause modify breast cancer risk*

Funded by: Cure Cancer

**McCarroll, Joshua**

Children's Cancer Institute

*Application of gene-silencing nanodrugs to inhibit medulloblastoma growth*

Funded by: Cancer Australia and The Kids' Cancer Project

**McGovern, Jacqui**

Institute of Health and Biomedical Innovation

*Humanized rat models - the next frontier in pre-clinical osteosarcoma research*

Funded by: Cancer Australia and My Room

**Merlot, Angelica**

Lowy Cancer Research Centre

*Targeting the endoplasmic reticulum stress pathways against cancer*

Funded by: Cure Cancer

**Nassar, Natasha**

The Children's Hospital at Westmead Clinical School

*Life and health after childhood cancer: a national data linkage cohort study*

Funded by: Cancer Australia

**Park, Simone**

Peter Doherty Institute for Infection & Immunity

*Targeting tissue-resident memory T cells in cancer immunotherapy*

Funded by: Cancer Australia and Cure Cancer

**Segelov, Eva**

Monash Medical Centre

*ASCOLT: ASpirin for Dukes C and high risk B COLOrectal cancer. An international, multi-centre, double blind, randomised trial*

Funded by: Cancer Australia

**Tanwar, Pradeep**

The University of Newcastle

*Obesity epidemic fuelling the surge of endometrial cancers: Elucidating the role and targeting of molecular signals involved in fat and endometrial cancer cross-talk*

Funded by: Cancer Australia

**Thijssen, Rachel**

The Walter and Eliza Hall Institute of Medical Research

*Developing strategies to overcome venetoclax resistance in chronic lymphocytic leukaemia*

Funded by: Cancer Australia and Cure Cancer

**Ward, Paul**

Flinders University

*Increasing resilience and reducing smoking for lower socio-economic groups*

Funded by Cancer Australia

## **Priority-driven Collaborative Cancer Research Scheme international 2019**

Cancer Australia, Susan G. Komen and Worldwide Cancer Research are pleased to announce funding of the following projects in the 2019 Priority-driven Collaborative Cancer Research Scheme international.

### **Dawson, Sarah-Jane**

Peter MacCallum Cancer Centre

*Genomic and epigenomic monitoring of residual disease using liquid biopsies*

Funded by: Cancer Australia with the support of Susan G. Komen

### **O'Keeffe, Meredith**

Monash University

*Checkpoint receptors expressed by dendritic cells- do they play a role in immunotherapies?*

Funded by: Cancer Australia and Worldwide Cancer Research