

Gold Coast Health Collaborative Research Grant Scheme 2023

2023 Recipient List

Gold Coast Health and partner organisations; Griffith University, Southern Cross University, and Bond University congratulate the successful recipients of the 2023 Gold Coast Health Collaborative Research Grant Scheme.

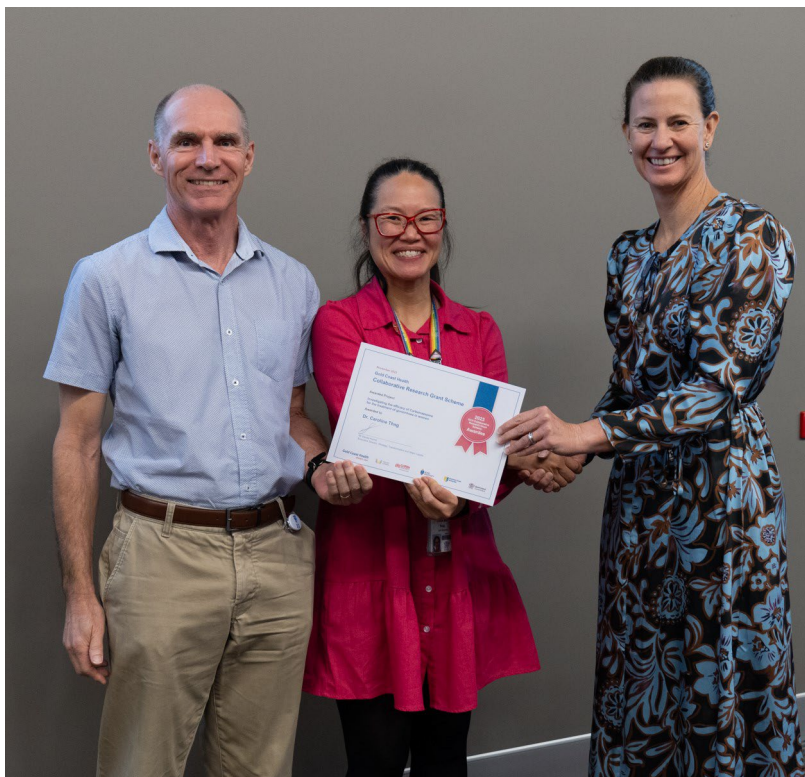
The aim of this grant scheme is to support innovative, collaborative, and responsive health care research that optimises our system of health care and service delivery.

Successful applicants were presented with their awards by Sandip Kumar, Executive Director, Strategy, Transformation, Major Capital and Digital and Trudy Teasdale, A/Director Research, Gold Coast Health at the 2023 Future Focus, Research, Innovation and Transformation Showcase held 22 November.

Awardees delivered a five-minute presentation on their research projects at the event.



Gold Coast Health Collaborative Research Grant Scheme 2023 Recipient



Dr. Ian Hughes and Dr. Caroline Thng accepting the certificate from Trudy Teasdale, A/Director Research, Gold Coast Health

Project Title:

Investigating the Efficacy of Carbamazepine for the treatment of gonorrhoea in women

In Brief Summary:

This study is a window of opportunity study to investigate the efficacy of oral carbamazepine as a treatment for uncomplicated N.gonorrhoeae cervical infections in women.

It aims to show that carbamazepine disrupts the interaction between N.gonorrhoeae and cervical epithelial cells and hence could be a treatment option for infection.

Dr. Caroline Thng

Senior Medical Officer, Gold Coast Sexual Health Service

Prof. Michael Jennings

Principal Research Leader and Deputy Director, Institute for Glycomics, Griffith University

Lead Principal Investigators

Awarded: \$99,976

Team Members:

Prof. Kate Seib

Group Leader and Associate Director (Research), Institute for Glycomics, Griffith University

Dr Ian Hughes

Biostatistician, Gold Coast Health

Dr Christopher Day

Research Leader, Institute for Glycomics, Griffith University,

Gold Coast Health Collaborative Research Grant Scheme 2023 Recipient



Dr. Jessica Forbes (left) and Elizabeth Wake accepting the certificate from Sandip Kumar, Executive Director, Strategy, Transformation, Major Capital and Digital, Gold Coast Health.

Project Title:

Optimising the GCUH Trauma Activation System: a mixed-methods implementation and evaluation.

In Brief Summary:

Delivery of timely and safe trauma care that incorporates rationalised resource allocation is a core challenge for healthcare. An optimal trauma activation system incorporates appropriate triage and resource allocation.

Through this project we will revise, implement and evaluate the trauma activation system by engaging with end-user consumers throughout the research process, to generate translatable outcomes that will have significant patient safety, and health economic, benefits.

Elizabeth Wake

CNC Trauma Research Coordinator, Trauma Service, Gold Coast Health

Dr. Jessica Forbes

Staff Specialist, Emergency Medicine/Trauma Service, Gold Coast Health

Lead Principal Investigators

Awarded: \$96,859

Team Members:

Prof. Andrea Marshall

Professor of Intensive Care Nursing, Gold Coast Health / Griffith University

A/Prof. Jamie Ranse

Senior Research Fellow, Griffith University

Dr. Don Campbell

Trauma Service Medical Director, Gold Coast Health

Dr. Gerben Keijzers

ED Staff Specialist, Gold Coast Health

Melissa Harris

Clinical Nurse Emergency Department / Trauma Service, Gold Coast Health

Prof. Martin Wullschleger

Trauma Service Surgical Director, Gold Coast Health

Dr. Shahera Banu

Epidemiologist and Data Analyst, Jamieson Trauma Institute

A/Prof. Shane George

ED and Paediatric Critical Care Staff Specialist, Gold Coast Health

Adam Rolley

Queensland Ambulance Service

Gold Coast Health Collaborative Research Grant Scheme 2023 Recipient



*Dr. Kelly Dungey accepting the certificate from Trudy Teasdale,
A/Director Research, Gold Coast Health*

Project Title:

Co-design and development of a novel neuro-training device for inpatient rehabilitation settings

In Brief Summary:

Recent studies have demonstrated that brain-computer interface technology promotes neuroplasticity within the brain and the spinal cord, but existing devices are poorly conceived for hospital settings, which hinders the translation of the technology to widespread clinical practice.

Leveraging the established capabilities of the BioSpine team at Griffith University and through a co-design process involving patients, clinical staff, and directors of the GCUH Rehabilitation Unit, this project will establish a pathway to design and develop applications that build on the existing brain-training technologies of the BioSpine project and evaluate the usability as a complementary therapy for individuals with neurological injury.

Dr. Kelly Dungey

Medical Director Rehabilitation, Allied Health and Rehabilitation Services, Gold Coast Health

Dr. Kelly Clanchy

Program Director – Bachelor of Clinical Exercise Physiology /
Snr. Lecturer, Exercise Science, School of Health Sciences
and Social Work, Griffith University

Lead Principal Investigators

Awarded: \$90,000

Team Members:

Dr. Camila Shiota

Research Fellow, The Hopkins Centre, Menzies Health Institute
Queensland, Griffith University

Dr Claudio Pizzolato

Snr. Lecturer, Centre of Biomedical and Rehabilitation Engineering
(GCORE) Menzies Health Institute Queensland, Griffith University

Dr Dinesh Palipana

Snr. Lecturer, School of Medicine, Griffith University, Doctor , emergency
department, Gold Coast University Hospital

Dr Jessica Mitchell

Research Fellow, The Hopkins Centre, Menzies Health Institute
Queensland, Griffith University

Susan Jones

Nurse Manager, Gold Coast Health

Kyle Mulholland

Project and Clinical Manager, BioSpine, Menzies Health Institute
Queensland, Griffith University

Dr. Malik Muhammad Naeem Mannan

Research Fellow, School of Health Sciences and Social Work, Griffith
University

Dr. Tyler Collings

Lecturer Exercise Science, School of Health Sciences and Social Work
Griffith University, Centre of Biomedical and Rehabilitation Engineering
(GCORE), Menzies health Institute Queensland

Gold Coast Health Collaborative Research Grant Scheme 2023 Recipient



Dr Larissa Sattler accepting the certificate from Sandip Kumar, Executive Director, Strategy, Transformation, Major Capital and Digital, Gold Coast Health.

Project Title:

A stratified approach to outpatient physiotherapy after knee arthroplasty: The Knee Arthroplasty Physiotherapy Pathways (KAPPA) randomised controlled trial.

In Brief Summary:

The stratification of supervised outpatient physiotherapy care following total knee arthroplasty surgery could provide significant benefits for the consumer at local, state and national public health levels.

The KAPPA criteria, previously established in a private sector cohort trial, demonstrated that simple and reproducible outcome measures assessed by a physiotherapist at two weeks post-surgery determined which individuals could successfully continue with unsupervised rehabilitation versus those who would benefit from supervised outpatient physiotherapy.

This project will validate these findings in a public health setting through a randomized controlled trial methodology with an included health economic analysis.

Dr. William Talbot

Medical Director of Orthopaedics, Gold Coast Health

Dr. Larissa Sattler

Assistant Professor Physiotherapy Program, Bond University

Lead Principal Investigators

Awarded: \$87,786

Team Members:

Prof. Randy Bindra

Professor of Orthopaedic Surgery, Gold Coast Health

A/Prof. Christopher Vertullo

Orthopaedic Specialist Knee Surgeon & Director, Knee Research Australia

Dr. Keely Thatcher

Principle House Officer, Gold Coast Health

Dr Darryn Marks

Assistant Professor Physiotherapy Program, Bond University

Timothy Walker

Senior Orthopaedic Physiotherapist, Gold Coast Health

A/Prof. Francois Tudor

Senior Medical Officer – Orthopaedics, Gold Coast Health

Dr James Reidy

Senior Medical Officer – Orthopaedics, Gold Coast Health

Dr Matthew Alfredson

Senior Medical Officer – Orthopaedics, Bond University

Gold Coast Health Collaborative Research Grant Scheme 2023 Recipient



Jonathan Vico Da Silva accepting the certificate from Trudy Teasdale, A/Director Research, Gold Coast Health

Jonathan Vico Da Silva

Registered Nurse, Gold Coast Health

Prof. Gerben Keijzers

Senior Staff Specialist, Emergency Medicine, Gold Coast Health

Lead Principal Investigators

Awarded: \$37,742

Team Members:

Dr. Caitlin Brandenburg

Research Fellow, Emergency Department Research, Gold Coast Health

Dr. Joan Carlini

Member Consumer Advisory Group, Gold Coast Health

Prof. Claire Rickard

Professor of Infection Prevention and Vascular Access, Herston Infectious Diseases Institute, Metro North Health, UQ Centre for Clinical Research

Project Title:

Cancer and blood disorders patients' experience and perspectives of intravenous cannulation

In Brief Summary:

Patients with cancer and blood disorders (CBD) suffer through a lot of cannulations and we do not understand how all of these cannulations impact them.

To address the gaps and issues, this study will focus on exploring CBD patients' experiences surrounding cannulation and their suggestions for service improvement, aiming to develop more effective and patient-focused cannulation services. This exploration will be further strengthened by the involvement of CBD consumers with lived experience of cannulation in the research process. They will bring a patient-centred perspective to the formulation, implementation, and analysis of the study.

The goal is to make the cannulation experience better for all CBD patients by developing practical recommendations for cannulation service improvement in CBD inpatient and outpatient settings at Gold Coast Health.