Chief Investigators

- **CIA Prof H. Peter Soyer** brings dermato-oncology expertise, with special emphasis on advancing dermoscopy and dermatopathology.

- **CIB Prof Adele Green** brings expertise in melanoma and skin cancer epidemiology as well as research methodology.

- **CIC Prof Joanne Aitken** brings expertise in melanoma early detection, and epidemiology, and will link the CRE with the community.

- **CID Prof Scott Menzies** knows the biological and morphological attributes of naevi, and can guide CRE staff in patent development.

- **CIE A/Prof Richard Sturm** brings expertise in molecular biology, gene expression and genetics. He brings laboratory research skills.

- **CIF Dr David Duffy** brings expertise in genetic epidemiology, particularly in relation to statistical analysis.

- **CIG Prof Monika Janda** brings behavioural research methods and qualitative analyses skills.

- **CIH A/Prof Tarl Prow** is the only biomedical engineer on this CRE and brings unique expertise in device manufacturing.

- **CII A/Prof Helmut Schaider** combines clinical and laboratory skills and will be a mentor linking expertise across programs.
Dr Victoria Atkinson, Medical Oncologist, Princess Alexandra Hospital, Brisbane

Professor Boris Bastian, Dermatopathologist, UCSF, San Francisco

Professor Clara Curiel-Lewandrowski, Dermatologist, University of Arizona, Tuscon

Professor Brian Gabrielli, Diamantina Institute, University of Queensland, Brisbane

Professor Allan Halpern, Chief, Dermatology Service, Memorial Sloan Kettering, New York

Professor Rainer Hofmann-Wellenhof, Dermatologist, University of Graz, Graz

Associate Professor Nadine Kasparian, Psychologist, University of New South Wales, Sydney

Associate Professor John Kelly, Dermatologists, The Victorian Melanoma Service, Melbourne

Associate Professor Lois Loescher, Behavioural Scientist, University of Arizona, Tuscon

Dr Graeme Walker, Carcinogenesis Laboratory, QIMR Berghofer Medical Research Institute, Brisbane
Naevi and Melanoma

- Number of naevi is the strongest risk predictor for melanoma
- Many melanomas arise adjacent to or within naevi
- Naevi are the most relevant simulators of melanoma
- Naevi are dynamic structures – “life of a lesion”
- ~80% of naevi harbour the same BRAF V600E mutation which characterise 50% of melanomas
Main CRE Programs draw from the CRE core study
Transfer of Knowledge

- National/International practice and policy guidelines
- Technology advances and patents
- CRE professional developmental activities
- CRE website and SoMe
- CRE white book
New & Pending Grants

Successful:

• The University of Queensland, Faculty of Medicine Health Outcomes Project (HOPs): “3D Qmelanoma - Targeted Early Detection of Melanoma Utilising a 3D Teledermatology (3DT) Network”

• QGHA Demonstration Project: “A genomics approach for screening of patients at high risk of melanoma”

Pending:

• Advance Queensland Innovation Partnership (AQIP): “Targeted Early Detection of Melanoma”

• Project Grant (Cancer Australia): “Defining the role of clinicians, consumers and artificial intelligence in melanoma early detection”

• Defence Health Foundation Grant - Booster Grant: “Personalised Early Detection of Melanoma”
VECTRA - Whole Body 3D Capture System

Phase 1 Configuration

Commercial System
VECTRA - Whole Body 3D Capture System

- Scalable Design
- 92 DSLR high resolution cameras (WB-360 configuration)
- On-board proprietary flashes, tuned to capturing human skin
- Both cross-polarized and standard white light images

- Captures nearly all exposed skin in a single, instant capture
- Capture takes less than 3 milliseconds
SAVE THE DATE!

MELANOMA 2017

A joint meeting of the 9th World Congress of Melanoma & 14th International Congress of the Society for Melanoma Research
18–21 October 2017, Brisbane Australia