position description: flagship research and education director (fred)

title

Flagship Research and Education Director (FRED) – Multiple positions available

reports to

Director of Research

about the digital health crc

The Digital Health CRC (DHCRC) is the world's largest digital health cooperative, with 70-plus member organisations representing every segment of the health system from patient to community, hospital to insurer, start-up to big government. Currently Australia's largest Commonwealth funded Cooperative Research Centre, we will invest millions of dollars in digital health research and technology to transform health delivery, improving the health and health care of Australians and advancing the economy through collaborative research and development that combines multi-disciplinary skills, industry knowledge, technologies, networks and data to:

- empower consumers;
- understand and manage health risks of individuals and communities;
- support clinical practice;
- improve system efficiency and access to quality care; and
- build and enhance businesses to provide high value jobs and solutions in a growing global market.

Our researchers, from 16 universities, will work with our health participants to develop and test solutions that work for real patients in real hospitals and other settings of care. Our business participants will work alongside them to ensure that the solutions are scalable and implementable. We'll develop them in Australia, then take them to the world.

our research

Through a codesign process of iterative development with multi-stakeholder reference groups and our research team, we have identified a series of Flagship Programs which focus on areas of demonstrated industry need within the health system for a targeted and collaborative program of work supported by data and digital technology. To maximise return on investment and impact we will look to develop multi-participant projects spanning our Flagship Programs where possible. However, our intention is to commence with a series of smaller projects that will link up to form the foundation for our Flagship Programs.

Our initial Flagship Programs are:

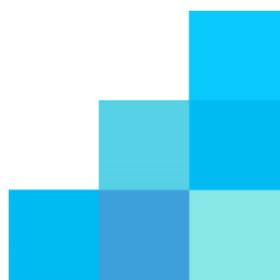| Setting of Care	Flagship	Summary
Common across all settings of care	**Changing health trajectories in chronic disease**	Use different data sets to identify populations who have or are at risk of developing chronic disease. Provide personalised models of care, digitally- supported behavioural interventions and end-to-end management. Avoid unnecessary hospital admissions and empower people to manage their own health and wellness. NB close alignment with Rural and Remote Flagship
	Transparency of data to optimise clinical practice and referral	Use health care, administrative and other data to measure and understand clinical variation and practice; support reflection and personalised professional development; support appropriate consumer referral; and drive efficiency through payment and claims optimisation.
	Intelligent decision support to improve value and efficiency	Use comprehensive data and information across care continuum to understand consumer risk and organisational performance. Provide intelligence to consumers, clinicians, managers and administrators to predict and prevent poor outcomes and low-value care. E.g., improve quality use of medications. Support resource allocation and business efficiency.
	Enabling information discovery and application	Explore issues surrounding ethics, governance and privacy of linking and using health data. Development of targeted tools resources to support and facilitate health data sharing and application in practice, quality improvement, trials and research.
Rural & Remote	**Changing health trajectories in chronic disease in rural and remote settings**	Address issues that are specific to rural and remote including access, maintaining viable healthcare services, integrating social determinants of health, overcoming technology challenges, reducing digital divide and co-designing culturally appropriate programs.

Rehabilitation following injury or trauma	**Digitally coordinated and supported rehabilitation management**	Use comprehensive data following injury and link with previous history to predict risk and improve outcomes of rehabilitation. Deliver personalised, technology-supported interventions with portals that support communication between care providers and with clients and family.
Residential and Assisted Aged Care	**Digitally supported and coordinated aged care management**	Use resident, service and clinical data to improve quality, reporting and business efficiency. Support coordinated, shared care and resident quality of life through personal and family portals. Provide real-time dashboards and knowledge to support continuous quality improvement and decision support.

the role

Working closely with our Program Managers who are responsible for project management and administration, our FREDs are responsible for providing strategic advice about our research/technology activities, keeping their alignment to a Flagship Program and our deliverables to the Commonwealth. FREDs facilitate research formulation and technology gap analysis. They will work together with the Director of Research and Chief Scientist to provide high-level oversight of projects within their assigned Flagship Program(s) through all phases of the project lifecycle. This includes:

- providing guidance on the overall strategic direction of their Flagship Program(s)
- ensuring proposed projects are innovative and forward looking; advising in respect of the development of project concept proposals and plans, particularly around the formulation of research objectives, methodology and deliverables
- identification of potential new industry participants and providing assistance to recruit them where possible
- liaison between academic, service and industry participants
- identification of research expertise within and supervisors across our university participants
- supervision of PhD students and post-doctoral fellows
- advising on the progress and outcomes of projects and overseeing publications resulting from them to ensure that research expectations are being met.

benefits of being a fred

For a relatively small time commitment (we anticipate 0.2-0.4 FTE), our FREDs will be at the forefront of research in digital health. With exposure to an astounding array of university, industry, government and technology participants, FREDs will have the opportunity to forge lifelong connections and hear proposals that have the potential to impact every level of the health system. They will:

- direct a significant national and international program of research encompassing multiple industry and government participants and several million dollars of research investment
- have high level exposure to other significant government and industry organisations in the health eco-system, including a diverse array of Australian and international industry executives
- contribute to the overall direction of the DHCRC and its future growth as a unique collaborative digital health platform
- participation in research projects including opportunities to supervise PhD students across multiple institutions and contribute to a significant number of publications
- opportunity to increase academic education and engagement profile within Australia and beyond

experience and attributes

- Demonstrated national and international expertise and reputation in one or more Flagship Program areas
- Sound understanding of digital health as it applies across the Australian health care system, including the complexity of data used in this space and methods and approaches to developing solutions
- Experience working with diverse stakeholders within large initiatives ideally involving multiple partners in health and/or research settings
- A passion to develop solutions that meet the needs of industry or business stakeholders while ensuring that university participant interests are met, and end-user needs are paramount
- A desire to be at the forefront of research in the digital health field
- Strong interpersonal skills and experience in working in a team

express your interest

We are seeking expressions of interest by COB Friday 26 April 2019 from academic leaders who are expert in a field relevant to a Flagship Program. Successful applicants will be provided as an in-kind contribution from our university participants. Please provide a short two page (maximum) expression of interest demonstrating your suitability for this position and detailing why this role appeals to you. Your expressions of interest will need to be supported by an authorised executive of your university.