



Centre for
Digital Transformation
of Health

Centre for Digital Transformation of Health

CONNECTING
DIGITAL INNOVATION
TO HEALTH

Leadership role in Health Informatics & Data Science

March
2021



LEADERSHIP ROLE IN HEALTH INFORMATICS & DATA SCIENCE

The Centre for Digital Translation of Health seeks expressions of interest from talented researchers with expertise in health informatics and health data science to contribute to the leadership of a significant program of multi-disciplinary, collaborative work under one of three strategic pillars of the Centre for Digital Translation of Health: Health Informatics & Data Science.

THE ROLE

Due to an unanticipated vacancy, the Centre wishes to appoint an emerging leader to work closely with the Centre's Deputy Director to grow the fields of health informatics and health data science at the University of Melbourne, with a focus on research-ready health data.

This Expression of Interest is open to suitably qualified employees of the University of Melbourne or of one of the hospitals affiliated with the Melbourne Academic Centre for Health (MACH). The successful candidate will be supported through protected time to co-lead this work with the Centre's Deputy Director at a time fraction between 0.2 FTE and 0.4 FTE (to be negotiated). This is an exceptional opportunity to join the Centre's Executive team and to further develop a research career as a multi-disciplinary, translational research leader in an innovative Centre aiming to transform the healthcare system through digital health innovation.

The ideal candidate will be an outstanding researcher with demonstrated ability to build and maintain the high-quality collaborative relationships required to provide leadership and strategic direction in health informatics and health data science.

Enquiries can be directed to the Director of the Centre for Digital Translation of Health: Professor Wendy Chapman wendy.chapman@unimelb.edu.au

Applications will close at 5:00pm on Wednesday 17 March 2021.

Applications from individuals should consist of a covering letter of no more than 3 pages outlining the reasons for their interest in the role and specifically addressing the key selection criteria in the attached Position Description, a brief resume and a letter of support for the application from the applicant's Head of Department or Head of School.

Please send endorsed applications to health-informatics@unimelb.edu.au.

Please use the Subject line: Health Informatics and Data Science Lead EOI.



POSITION DESCRIPTION

Title	Executive Co-Sponsor Health Informatics & Data Science
Directly reports to	Director, Centre for Digital Transformation of Health
Indirectly reports to	Deputy Director, Centre for Digital Transformation of Health
Overall purpose of the role	In conjunction with the Centre Deputy Director and as a member of the Centre Executive, responsible for leading one of three strategic pillars of the Centre for Digital Translation of Health: Health Informatics & Data Science
Responsibilities	<ul style="list-style-type: none"> ▪ Working collaboratively, implement the strategy for Health Informatics and Data Science, as outlined in the Centre’s Strategy and Implementation Plan ▪ Together with the Data-driven Research Steering Group co-aided by MACH and the Centre, develop priorities that meet the needs of healthcare organisations ▪ Drive the health informatics expertise-led transformation of health data to make it more research-ready ▪ Contribute to growing a research environment in which data-driven clinical research can flourish ▪ Support the development of health data-driven research ideas and concepts into research plans and collaborative research projects that are more competitive for funding
Key Supports to the Position	<ul style="list-style-type: none"> ▪ Centre Executive Committee ▪ Data-driven Research Steering Group ▪ Technical Director, Centre for Digital Translation of Health ▪ Clinical Informatics Academic Directors
Key Relationships	<ul style="list-style-type: none"> ▪ School of Computing and Information Systems ▪ Faculty of Medicine, Dentistry and Health Sciences ▪ Melbourne Academic Centre for Health (MACH)
Key selection criteria	<ul style="list-style-type: none"> ▪ A PhD in a relevant discipline or equivalent research training ▪ An excellent research track record relative to opportunity ▪ A growing national and/or international profile in health informatics or health data science ▪ Demonstrated ability to build and maintain productive relationships and collaborations with clinicians and researchers from a variety of disciplines ▪ Ability to provide leadership and strategic direction for a multi-disciplinary, collaborative program of work ▪ Experience working with healthcare professionals and consumers ▪ Commitment to translational research and health system transformation that improve patient outcomes ▪ Demonstrated success in building research capability ▪ Understanding of the Learning Healthcare System and the use of health data to drive clinical decision-making and clinical practice change

BACKGROUND AND CONTEXT

THE CENTRE FOR DIGITAL TRANSFORMATION OF HEALTH

The Centre for Digital Transformation of Health is a cross-disciplinary centre that sits in the Faculty of Medicine, Dentistry and Health Sciences, and the School of Computing and Information Systems.

With a vision of connected healthcare, the Centre aims to address a critical gap in the translation of digital health research, which is clearly needed if the healthcare system is to benefit from research-led advances in digital health. The Centre aims to significantly grow the field of digital health research at the University of Melbourne through creating the right environment for the type of inter-disciplinary, collaborative research that correlates with research excellence and impact to flourish. Through bringing together researchers, educators, healthcare and digital health professionals, patients and the public, the focus on translation of digital health innovations into clinical practice will enable a future where the healthcare system is transformed through digital health innovation.

The Centre's strategy is underpinned by connecting the strengths in health and medical research in the Faculty of Medicine, Dentistry and Health Sciences, to the strengths in informatics, computing and data science in the School of Computing and Information Systems and across the University to create a collaborative, inter-disciplinary ecosystem that supports translation to real-world research impact in the healthcare system. Its three strategic pillars are focussed on better use of health data, integrating digital health innovations into the healthcare system and upskilling the healthcare workforce.

CENTRE STRATEGY

The Centre for Digital Transformation of Health's three strategic pillars are focussed on better use of health data, integrating digital health innovations into the healthcare system and upskilling the healthcare workforce.

Under the Health Informatics & Data Science strategic pillar, the Centre aims to:

- focus on granular clinical data that provides evidence for practice change and measures outcomes of clinical and digital health interventions
- partner to develop priorities that meet the needs of healthcare organisations
- prioritise health informatics expertise-led transformation of health data
- provide a research environment in which data-driven clinical research can flourish
- support the development of data-driven research ideas

Through these aims, the program of work will achieve:

- UoM health informatics and health data science research outputs and impact doubled
- World-class publications in two or more sub-disciplines of health informatics
- At least 5 significant multi-disciplinary (clinical and data science) grants funded
- One collaborative health data-improvement project across the University and several MACH-affiliated hospitals completed

The ultimate goal of this work is a learning healthcare system capable of generating evidence for practice change, and of measuring health outcomes that matter to patients.

SYNERGIES

The Health Informatics & Data Science strategic pillar aligns with the focus of the Melbourne Academic Centre for Health (MACH) partnership, that includes 10 tertiary hospitals, to develop and support a learning healthcare capable of generating evidence for practice change, and of measuring health outcomes that matter to patients and value of care.

SCOPE OF THE ROLE OF EXECUTIVE SPONSOR

The Centre Executive Committee (CEC) is the senior leadership group of the Centre. Members of the CEC are responsible for the implementation and delivery of the Centre's strategic plan. Members of the CEC also act as the Executive Sponsors for the pillars of the Centre's strategy. The Executive Sponsor is the conduit for communication between Steering Groups(s) in their portfolio and the CEC, to facilitate progress toward agreed goals of the Centre. The Executive Sponsor will act as the champion for the work in their portfolio, and provide advice and recommendations to the CEC to assist the CEC to make decisions in the best interests of the Centre. As a member of the Centre Executive Committee, the Executive Sponsor is expected to attend and actively contribute to weekly meetings. The CEC has responsibility for making decisions on:

- Centre strategy and workplans
- Centre implementation plan including budgets and allocation of resources
- approvals for variations in budgets, resources or scope/direction of agreed workplans.

Members of the CEC are expected to:

- support the Centre Director to achieve the agreed goals and KPIs of the Centre
- provide input on matters of strategic importance to the Centre
- lead and co-ordinate the Centre's work through a role as an Executive Sponsor
- seek strategic opportunities for the Centre with the potential to provide revenue streams/ funding that build sustainability for the Centre.

Executive Sponsors are responsible for:

- ensuring the portfolio has a clear and compelling vision, annual workplans, metrics for measuring progress towards the vision, and effective structures for executing the work
- building a team across the portfolio that includes the expertise, skill, and creativity needed to advance the vision and the work
- managing the budget for their portfolio to achieve Centre objectives
- providing strategic input to the CEC to facilitate collective oversight and monitoring of the Centre's work by the CEC