



THE UNIVERSITY OF
MELBOURNE

Appointment of

Professor of Child Health Informatics, Department of Paediatrics

Melbourne Medical School

Faculty of Medicine, Dentistry and Health Sciences



Melbourne Children's Campus

Melbourne Children's is a fully integrated academic paediatric teaching hospital and research institute which is unique in Australia and acclaimed internationally. Bringing together four outstanding organisations, The Royal Children's Hospital, the Murdoch Children's Research Institute, The University of Melbourne Department of Paediatrics and The Royal Children's Hospital Foundation, the fundraising arm of the hospital, the Melbourne Children's is a single, purpose-built and multi-award winning campus in the city of Melbourne.

The purpose of the Melbourne Children's is to collaborate, as world leaders, in advancing child and adolescent health through prevention, early intervention and health promotion, together with the highest quality clinical care, outstanding research and comprehensive education and training. Together the partnership forms an interwoven, symbiotic relationship delivering high quality clinical services underpinned by research and education. Collectively the independent entities contribute to a paediatric health sciences precinct which is greater than the sum of the parts. The presence of each benefits the other, ensuring the primary focus of each entity is achieved.

The Royal Children's Hospital Foundation provides invaluable philanthropic support to Melbourne Children's, enabling the campus to pursue innovative, world-leading clinical, research and teaching opportunities to deliver high quality paediatric care and successful prevention strategies.

For more information, please visit:
www.melbournechildrens.com/about/



The Royal Children's Hospital

The Royal Children's Hospital (RCH) has a major leadership role in child and adolescent health in Victoria with statewide specialist roles. The hospital provides tertiary, secondary and primary child and adolescent health services. It is a tertiary and quaternary paediatric referral centre providing specialist services and multidisciplinary clinics for sick infants, children and adolescents from Victoria, Tasmania, South Australia and southern New South Wales. The RCH also provides specialised paediatric care for patients from overseas, particularly from south-east Asia, Nauru and Fiji.

The RCH plays a major role in child public health, health promotion and advocacy for children and young people's health. It provides the full spectrum of medical and surgical paediatric services, as well as a number of specialist tertiary paediatric services and health promotion and prevention programs for infants, children and adolescents. These services are provided on both an inpatient and ambulatory basis.

Teaching, training and research are fundamental elements of the RCH. The hospital is part of a child health precinct, and in partnership with the Murdoch Children's Research Institute (MCRI), the University of Melbourne, LaTrobe University, Deakin University, Monash University and RMIT University, ensures clinical services are integrally linked with teaching, training and research.

These relationships are crucial in providing opportunities for significant participation in the public health agenda for children and young people, for 'translational research' to drive laboratory and clinical findings into health promotion and prevention programs and for driving new paradigms and models of care.

For more information, please visit: www.rch.org.au/home/



Murdoch Children's Research Institute

The Murdoch Children's Research Institute (MCRI) is Australia's leading child health research organisation and ranked in the top 3 globally. Established in 1986, the MCRI has grown from less than 100 researchers working on genetic conditions into a team of 1,200 clinicians, scientists and students across 60 research groups. Its researchers work with the overarching goal of translating knowledge into effective prevention, intervention and treatment strategies to address a range of disorders affecting infants, children and adolescents. MCRI's large strategic initiatives are in genomics, life course cohorts, stem cell medicine and global health.

MCRI advocates for quality equitable care for all children and works closely with its partners, The Royal Children's Hospital and the University of Melbourne's Department of Paediatrics, within a single, purpose-built facility. What makes MCRI unique in Australia is the:

- Critical mass of researchers across a breadth of research disciplines
- Co-location and shared governance with the Royal Children's hospital to drive translation of research discoveries into improved health outcomes

- Seamless pipeline from gene discovery through to rapid and accurate diagnostic tests via the integration with the Victorian Clinical Genetics Services and
- Shared research, clinical and academic leadership in partnership with The Royal Children's Hospital and the University of Melbourne.

The vision of the MCRI is for "all children to have the opportunity to live a healthy and fulfilled life", to make a real difference to child health through world leading research and disease prevention. We strive for a healthier community, with fewer children requiring hospitalisation, and provision of the best possible evidence based care for children who become ill. Through its research, the MCRI aims to develop new therapies, cures and prevention strategies to ensure the health and wellbeing of future generations.

For more information, please visit: www.mcricri.edu.au/



Department of Paediatrics

The Department of Paediatrics is the flagship representative of the University partnership with the Royal Children's Hospital, and is co-located on the Melbourne Children's campus in Flemington Road, Parkville.

The Department of Paediatrics is a large department within the Melbourne Medical School. The Department has responsibility for the Child & Adolescent Health component of the Doctor of Medicine course of the School. There are approximately 80 academic and professional staff, including 25 Professorial positions, 400 honorary academic staff, and more than 150 students who are enrolled to pursue research degrees from Honours, Masters and PhD. A further 60 students undertake research in the Research Project component of the MD course. In 2018 members of the Department published more than 1200 peer reviewed publications.

The Department delivers a range of teaching across the clinical, biological and health sciences, and within the MD program and is responsible for the teaching of child and adolescent health, paediatric surgery, and other specialties in relationship to children, adolescents and their families, including mental health. Other programs include post-graduate courses in Adolescent Health & Welfare and Genetic Counselling as well as Research Higher Degrees

The Department of Paediatrics plays a pivotal role in the life of the Royal Children's Hospital with its members being actively involved in policy development and senior management. Members of the Department make major contributions to the development of child and youth health policy and also to broader aspects of health policy at a national and state level.

Working with its partners, the Department of Paediatrics' vision for the Melbourne Children's campus is to be a world-leading, integrated research, teaching and clinical site with the overall aim of benefiting child and adolescent health

For more information, please visit:
www.paediatrics.unimelb.edu.au/



Melbourne Medical School

Melbourne Medical School (MMS) was established in 1862 and has a substantial international reputation for its leadership in teaching and training, health research, policy and practice. MMS is committed to working with the communities we serve to improve health and advance health care. We will do this through our teaching, learning, research, clinical care and advocacy.

MMS is composed of nine clinical departments: Clinical Pathology, General Practice, Medical Education, Medicine and Radiology, Obstetrics and Gynaecology, Paediatrics, Psychiatry, Rural Health and Surgery. MMS has over 900 academic and professional staff members who are either located at the University of Melbourne's Parkville campus or are embedded within clinical health services throughout metropolitan Melbourne and rural Victoria. In addition, MMS staff are privileged to work alongside over 2 400 honorary appointees from the health sector who tirelessly contribute their time, knowledge and clinical expertise to the education of our students.

MMS delivers a suite of health-related graduate programs including the Doctor of Medicine (MD), the first professional entry Masters level medical program in Australia. As MMS's flagship program the MD delivers a fresh approach to medical training and creates a new benchmark in 21st century medical education.

MMS is committed to improving the wellbeing of the community through the discovery and application of new knowledge. The research effort of the School is highly collaborative and spans basic to translational research. MMS has nearly 550 higher degree by research candidates.

MMS also actively participates in the public debate and advocacy around key health issues and policy based on our values of commitment, integrity, compassion, respect and service.

Under the leadership of Professor John Prins, MMS is undertaking exciting new developments including a major review of the MD curriculum, an emphasis on the clinician-scientist career trajectory and a reinvigorated focus on clinically relevant research.

For more information, please visit www.medicine.unimelb.edu.au



Annual total budget of A\$200 million



Annual research income of A\$88.5 million



3 354 fully refereed research publications in 2017



2 540 students enrolled in coursework, research and commercial course offerings



Faculty of Medicine, Dentistry and Health Sciences

The Faculty of Medicine, Dentistry and Health Sciences (MDHS) is Australia's pre-eminent medical, health sciences and biomedical faculty and is recognised for its research, teaching, training and policy leadership across all of these fields.

The Faculty employs more than 1 900 members of staff, attracts more than 8 000 students each year and comprises six schools; 33 departments, centres and institutes; and 128 courses. It contributes almost 50 per cent of all research conducted across the University.

The Faculty is Australia's overall leader in clinical, pre-clinical and health sciences and was ranked 9th globally in 2018 by the Times Higher Education World University Rankings. In the field of clinical medicine and pharmacology, the Jiao Tong ranks the University of Melbourne as the first in Australia and number 29 in the world in 2019. The University educates more health professionals, graduates, research and higher degree students and attracts more national competitive funding than any other Australian university.



Co-authorship with more than 140 countries in the last five years. Top five countries are the United States, England, Canada, Germany and the Netherlands.



Annual research income of more than A\$225million: 50 per cent of the University of Melbourne total.



More than 4 000 peer reviewed publications every year: 44 per cent of publications include an international co-author.



Approximately 1 500 graduate research students conduct research supervised by over 1500 staff and honoraries across the Faculty's six schools and in affiliated health services and research institutes.



University departments are embedded in a range of health services including the Austin Hospital, Northern Hospital, Royal Melbourne Hospital, St Vincent's Hospital, The Royal Women's Hospital and rural partners such as Goulburn Valley Health.



The Faculty employs over 1 300 academic research staff. Hospital departments employ 39 per cent of MDHS academic staff. The University has over 2 000 hospital-based honorary staff and more than 500 honorary staff in partner institutes.



The Faculty offers a suite of professional entry Masters level graduate programs, including the Doctor of Medicine (MD), the Doctor of Dental Science (DDS) and the Doctor of Physiotherapy (DPhysio). There are also a number of other successful graduate programs such as the Master of Biomedical Science, Master of Public Health, Master of Primary Health Care, Master of Social Work, Master of Clinical Audiology, Master of Speech Pathology, Master of Clinical Optometry and many more in nursing, social work, health sciences and psychology. These programs which are unparalleled in the Australian higher education system provide new approaches to educating health care professionals and are specifically designed to better align student attributes to the sector's needs.

The Faculty has strong collaborative links within the Melbourne Biomedical Precinct, as well as with many leading national and global research institutes, clinical centres and health-related industries. These collaborations provide students, researchers, educators and clinical academics with excellent resources and infrastructure. They have led to significant medical breakthroughs and fostered new world-class facilities such as the Victorian Comprehensive Cancer Centre, Melbourne Brain Centre, Doherty Institute and Royal Children's Hospital campus.

Melbourne Biomedical Precinct

The Faculty is a key collaborator within the Melbourne Biomedical Precinct – a leading global research and teaching hub and one of the top five biomedical precincts in the world. Precinct partners share an impressive history of ground-breaking medical discoveries and developments, as well as a future-focused outlook on innovative and transformative health care. The 25 precinct partners, located within easy reach of each other, are engaged in breakthrough research, education and the delivery of clinical care and health services. This dense concentration of hospitals, research facilities and academic campuses provides the opportunity, which is unparalleled in Australia, for talented individuals from a range of disciplines to engage in world-class collaborations.

Position Summary and Selection Criteria

Classification Professor - Level E

Salary An attractive salary package will be negotiated, including a start up support package

Superannuation Employer contribution of 17%

Working hours Full time

Basis of Employment 5 years, with opportunity for extension

A newly established position, the Professor of Child Health Informatics is integral to the transformative vision of future healthcare for Australian children. Our aim is to become an international leader in the use of data to improve all aspects of patient care, operations and research.

Through leadership positions like the Professor of Child Health Informatics, the University of Melbourne aspires to create Australia's leading ecosystem for digital health and clinical and population informatics while at the same time expanding the frontiers of informatics in partnership with other leading global centres.

The successful applicant will be based at the Melbourne Children's Campus. The campus comprises the Royal Children's Hospital (RCH), the Murdoch Children's Research Institute (MCRI) and the University's Department of Paediatrics and collectively is acknowledged as a global leader in clinical care, research and education in paediatrics and child health. The Professor will provide academic leadership in child health informatics to the campus.

The successful applicant will work closely with the Chief Medical Information Officer and other informatics executives at RCH and MCRI. A substantial support package will enable the incumbent to build the necessary team to establish and embed the discipline of Child Health Informatics research on campus. The incumbent will also play a leadership role in the development of the Melbourne's Children's Centre of Health Informatics, with support to create a leading operational hub for clinical informatics.

The incumbent will be integrated into the University of Melbourne Centre for Clinical and Population Health Informatics, thereby gaining access to the broader academic opportunities afforded by the University and contributing to new developments in informatics technology and systems. The Professor will also collaborate with data science and informatics leaders across the University of Melbourne and its partner hospitals and institutes.

The appointee will possess an excellent track record in academic research and evidence of multi-centre, multi-disciplinary research in clinical informatics, data science or a related field. They will have a dual reporting role, reporting both to the Head of the University's Department of Paediatrics, Melbourne Medical School and to the Head of the University of Melbourne Centre for Clinical and Population Health Informatics. Depending on the background of the applicant, the successful appointee will have the opportunity of negotiating a clinical appointment and / or assuming the role of Chief Research Information Officer within the Royal Children's Hospital, and an honorary appointment at the MCRI.

Professors at the University also provide transformational leadership and dedicated service to the University and the broader community beyond their leadership within their academic fields and disciplines.

The Council reserves the right to make no appointment or to appoint by invitation at any stage.

1. Key Responsibilities

The position description below should be read alongside Academic Career Benchmarks and Indicators

In the context of an increasingly digitised and data-intensive healthcare system, a critical goal of the position is to develop strategies; and design, implement, and optimize systems to support the integration of research with patient care to create a state-of-the-art learning healthcare environment. The position will be responsible for the application of research methodology to all data sources to improve operational delivery, clinical care, and the secondary use of data for research. Fundamentally the Professor of Child Health Informatics will:

- Work with campus partners to create and execute the vision for child health informatics
- Coordinate child health informatics activities between academic and clinical domains

1.1 RESEARCH AND RESEARCH TRAINING

- Provide transformative leadership in implementation of the campus's informatics research strategy via
 - Establishment of national and international research collaborations.
 - Optimisation of routine data collection systems for research data use
 - Ensuring clinical informatics systems support research objectives
 - Application of research methodology to all data sources to improve operational delivery, clinical care, and secondary use of data for research
 - Providing support for researchers to translate their needs into technical designs and informatics solutions
 - Connecting researchers with clinical data to advance biomedical research
 - Identifying and leading innovations in research IT and research informatics
 - Contributing to research data governance activities
- Facilitate the collaboration of the RCH with relevant research programs throughout the University and develop strong collaborations with relevant University Departments
- Lead and facilitate translation of research into clinical practice and promote close working relationships between clinical, diagnostic and research staff across the Melbourne Children's campus
- Attract research funding from national and international funding bodies that builds institutional capacity and creates opportunities to expand research on the Melbourne Children's campus. This will include the preparation of research proposal submissions to external bodies and responsibility for the oversight of financial management of grants.
- Publish research outcomes in high-impact peer reviewed journals and present research activities at local, national and international meetings
- Attract, and supervise research students including participating in planning and supervision of programs of study for graduate research students, master-level students and Doctor of Medicine student research projects.

1.2 TEACHING AND EDUCATION

- Facilitate education in the domain of paediatric health informatics for undergraduate and postgraduate students in the health professions.
- Participate in the teaching activities of the Department of Paediatrics and the Melbourne Medical School (MMS) at both the undergraduate and postgraduate level.
- Play an active role in the maintenance of academic standards and in the development of educational policy and of curriculum within paediatrics.

1.3 ENGAGEMENT

- Active participation in the communication and dissemination of research
- Champion ethical debate, research, education and community engagement in Clinical informatics and related disciplines. Participate in public discussion and debate about important national issues.
- Participate in community and professional activities related to the disciplinary area.

1.4 LEADERSHIP AND SERVICE

- As a senior member of the Faculty of Medicine, Dentistry and Health Sciences, provide leadership and foster excellence in research, teaching and community engagement for improved capability across the Department, Faculty and University overall.
- Provide a continuing high level of personal commitment to and achievement in his or her particular scholarly area and to be actively involved in relevant learned societies and professional organisations. Provide leadership in Child Health informatics research within professional organisations as well as in the community.
- Provide significant contribution for driving new engagement initiatives or leading existing initiatives by presenting research to the public to elevate public awareness of educational and scientific developments, and promote critical enquiry and public debate within the community.
- Be involved in administrative matters within the Department of Paediatrics, and the MMS.
- Where relevant, the Professor is expected to facilitate links between the Royal Children's Hospital (RCH) and other affiliated hospitals, as well as research and teaching institutions.
- Active participation in strategic planning (including succession planning), leadership and management of research, clinical service and education related to clinical informatics including its integration into community based or state-wide services.
- Other responsibilities normally expected of a Professor within the University, including, but not restricted to attendance at MMS and Faculty meetings.
- Occupational Health and Safety (OH&S) and Environmental Health and Safety (EH&S) responsibilities as outlined in Section 4.

1.5 STAFF SUPERVISION

- Undertake probationary and performance management processes and hold regular conversations with staff to provide positive and constructive feedback to enhance staff and team performance
- Provide coaching, guidance and support for career planning, ensuring staff have access to appropriate professional development activities
- Understand the responsibilities and operational requirements associated with approving staff leave
- Allocate and monitor workloads and address associated issues in a timely manner
- Ensure new staff participate in the University's induction program and provide a localised work area orientation

1.6 CHIEF RESEARCH INFORMATION OFFICER

- Should the Professor of Child Health Informatics also be suitable for the role of Chief Research Information Officer, in addition to the above responsibilities the incumbent will also:
- Work closely with the Chief Medical Information Officer to effect governance over informatics operations, help build the informatics workforce and teams
- Ensure that research is embedded into operations and clinical decision support
- Establish health informatics methodologies and analytics at RCH

2. Selection Criteria

2.1 ESSENTIAL

- A medical qualification, registerable with the Australian Health Practitioner Regulation Agency
- Fellowship of the Royal Australasian College of Physicians, or equivalent
- A research higher degree in a relevant discipline, or equivalent research experience or qualification
- Internationally recognised record of exceptional and outstanding achievement in academia and research
- A distinguished career of international, or leading national, standing in research in informatics, data science or a related field.
- Proven capacity and ongoing desire to undertake world class research addressing knowledge gaps in paediatric medicine. A desire to improve clinical practice by implementing knowledge into every day clinical practice.

- Demonstrated capacity to lead significant research projects; and to lead multi-disciplinary teams.
- Strong leadership skills and the ability to foster academic achievement in others with demonstrated leadership in research and scholarship.
- Strategic perspective to ensure sustainability and future growth with a track record in obtaining external research funding, including Competitive Grant Schemes.
- A capacity to attract and successfully supervise research higher degree students to completion.
- Excellent research publication track record in national and international peer-reviewed journals.
- Record of involvement in undergraduate and postgraduate education
- Excellent communication, negotiation and presentation skills.
- Demonstrated ability to partner with key external stakeholders and to foster relationships.
- Demonstrated excellent ability to establish cross-disciplinary research partnerships and collaborations. Experience of establishing productive links with national and international partners.

2.2 DESIRABLE

- Demonstrated ability and experience with the implementation of change initiatives including cultural, organisation and work practise changes.
- Experience and proven success in the management of quality and safety, finances and human resources within a similar service.
- Familiarity with the strategic direction of the University, namely; 'Research at Melbourne', 'Growing Esteem' and the 'Melbourne Model'.



The University of Melbourne

Established in 1853, the University of Melbourne is a public-spirited institution with an outstanding reputation for excellence in research, learning and teaching, and engagement.

With a history of more than 160 years, the University occupies a special place in the heart of Melbourne's intellectual and cultural scene. It offers a vibrant and stimulating environment for more than 7 000 staff members and 50 000 students, including 12 000 international students from more than 120 countries. It has an annual budget exceeding A\$2 billion.

Ranked as the leading university in Australia, and situated at 38 on the Academic Ranking of World Universities (ARWU), it is consistently situated among the fastest-rising research universities. The University is counted among the best in the world – 32 by the Times Higher Education and 26 by the US News & World Report Rankings.

The Melbourne Model

Building on long-standing traditions of leadership and innovation in teaching and embracing international developments in curriculum design, the University introduced the Melbourne Model in 2008. The distinctive educational model offers degrees in three broad cycles. At Bachelor level, students select from one of six broad degrees (offering a total of 87 major fields of study) and a limited number of specialist offerings. These programs lay the intellectual foundations for future employment or further study. Most professional qualifications are subsequently offered at Masters level, where students can choose from a variety of professional or specialist graduate programs offering intensive graduate-level experiences that promote deep professional learning. At Doctoral level, students work alongside and are nurtured by international research leaders in a broad range of fields.

The Melbourne Model's curriculum combines academic breadth with disciplinary depth to strategically reposition the University in an increasingly globalised higher education framework. The University prepares its students to enter a world marked by rapid change where graduates must possess the applicable knowledge, and flexible and adaptable skills, to succeed.



Living and Working in Melbourne

Geography

Melbourne is the capital city of Victoria - and is the second largest city in Australia with a population of more than 4.5 million people and a metropolitan area of 9990.5 km². The Economist Intelligence Unit has rated Melbourne one of the world's most liveable city for six consecutive years, based on its education, entertainment, health care, research and development, tourism and sport.

The City of Melbourne municipality, in which the University's main Parkville campus is based, covers 37.7 km² and has a population of more than 143 000 people. It includes the city centre and a number of attractive inner suburbs with thriving communities and businesses.

The City of Melbourne is home to residents from 180 countries who speak more than 233 languages and dialects and follow 116 religious faiths. The Wurundjeri, Boonwurrung, Taungurong, Dja Dja Wurrung and the Wathaurung people of the Kulin Nation are the Traditional Owners of the land now known by its European name of Melbourne.

The City of Melbourne is recognised as Australia's cultural capital with a number of world-class galleries and museums, internationally renowned food and wine regions, and an impressive year-round calendar of events catering for all tastes.

Parkville Campus

The Parkville campus provides easy access to cafes, shops and services; libraries with extensive collections; as well as cultural and sporting facilities. Nearby Lygon Street is home to a huge variety of cafes and shops while the northern end of the University is adjacent to the popular Princes Park, hosting a range of outdoor activities.

Parkville is recognised as the hub of Australia's premier knowledge precinct, comprising eight hospitals as well as numerous leading research institutes and knowledge-based industries. Although a sizeable portion of the Faculty of Medicine, Dentistry and Health Sciences is located in Parkville, the Faculty also has academic departments co-located at a range of health services throughout the Melbourne metropolitan area and rural and regional Victoria. These include St Vincent's Hospital, The Royal Victorian Eye and Ear Hospital, Austin Hospital, Western Health, Northern Health as well as the Department of Rural Health based at Shepparton in the Goulburn Valley with health services affiliations to almost 40 smaller towns in rural Victoria.



People and Benefits

The University is committed to providing an intellectually stimulating and personally rewarding workplace that attracts people who are the best in their professional, academic and teaching fields.

Outstanding academic staff are at the heart of the University's teaching, research and engagement endeavours. The University is proud of its many staff who have been recognised through prestigious national and international awards and membership of Australia's learned Academies. Among the many scholars of international renown at the University is the winner of the Nobel Prize – Professor Peter Doherty (Physiology and Medicine) and many other public intellectuals and scientific leaders.

The Benefits

The University offers staff more than just a job – it offers them an opportunity to be part of a dynamic world-class organisation which provides its staff with exceptional benefits and support at every stage of their life and career:

- Working in a culturally inclusive environment
- Engaging in an active and vibrant campus life
- A focus on health and wellbeing
- Outstanding staff benefits in addition to competitive salary packages

Staff benefits on offer at the University include the opportunity to salary package everything from childcare and additional superannuation to subscriptions to the Melbourne Theatre Company. Benefits can be tailored to best suit individual needs and circumstances, including generous relocation support. University course fees can also be salary packaged and come at a 25 per cent discount for staff and their immediate families.

The University also offers a family friendly environment for individuals that need increased flexibility, providing generous leave and working conditions. The University has been recognised as an employer of choice for women and is one of 40 organisations to participate in the Science in Australia Gender Equity (SAGE) pilot program of Athena SWAN in Australia.



Further Information and Website Addresses

General information about the University of Melbourne is available through its website at www.unimelb.edu.au

About the University of Melbourne
about.unimelb.edu.au

The University of Melbourne's Strategic Plan 2015-2020:
Growing Esteem
growingesteem.unimelb.edu.au

2017 Annual Report
about.unimelb.edu.au/strategy/annual-reports

Faculty of Medicine, Dentistry and Health Sciences
mdhs.unimelb.edu.au

Melbourne Medical School
medicine.unimelb.edu.au

For queries, please email
MMS-Careers@unimelb.edu.au

Please do not send your application to this email address.

To Apply

For other career opportunities at the Melbourne Medical School, and to apply, please visit: **medicine.unimelb.edu.au/about/join-the-melbourne-medical-school**

Alternatively you can apply from the job site you visited.

Applications close: **30th June, 2019**



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