

Title:	My Room Clinical Research Fellow, Paediatric Oncology
Group & Centre:	All
Employment Agreement	Hudson Institute of Medical Research Enterprise Agreement 2015
Classification	RES Level A
Date Last Updated:	August 2018

Position Description Summary

This position will support a 2-year clinical research training fellowship (0.8 FTE research, 0.2 FTE clinical) at the Centre for Cancer Research at Hudson Institute of Medical Research, and Monash Children's Hospital's Children's Cancer Centre. The primary objectives of the fellowship are to build clinical research skills and expertise, to provide career progression pathway for childhood oncology fellows, and to contribute to the existing translational research programs in paediatric oncology.

1. The Hudson-Monash Paediatric Precision Medicine Program

The Hudson-Monash Paediatric Precision Medicine (HMPPM) program aims to significantly improve treatment for childhood cancer patients with the greatest unmet clinical need – those diagnosed with brain cancers and solid tumours. The program is supported by the Children's Cancer Foundation (CCF) and led by A/Prof Ron Firestein (CIA) and a team of scientists and paediatric oncologists at Hudson Institute, Monash University and the Monash Children's Hospital.

The HMPPM program includes the establishment of a living biobank of paediatric brain tumours and solid cancers – including living organoids or lab-grown 'mini-tumours' – to trial and develop new targeted treatments and improve survival rates for childhood cancer patients. The program also includes the establishment of a functional genomics pipeline, capitalising on the living biobank tumour samples to integrate genomic data (next generation sequencing) with functional data obtained from high-throughput genetic (Cas9/CRISPR) and results from global pharmacological drug screens. The comprehensive molecular analysis of individual patient tumours will help identify both new and existing therapies that can be rapidly implemented in the clinic. This approach will facilitate clinical implications of data from the functional genomics pipeline for individual paediatric patients.

2. Overview of the Position

Typical activities for this role include:

Research Activities (0.8 EFT):

- Contribute towards the research effort of the Institute and to develop research expertise through the pursuit of defined projects relevant to Paediatric Cancer Precision Medicine

- Gain expertise in key research themes of precision medicine, such as functional and structural genomics, development of patient-centric preclinical models, and bioinformatics analytics
- Develop knowledge and skills required for effective translational research design and execution, including clinical trials, with correlative science objectives
- Gain professional knowledge and skills in competitive grant writing, abstract presentation and manuscript preparation
- Develop an in-depth knowledge of epidemiology, natural history, treatment and outcome of childhood malignancy, especially solid tumours and brain tumours.
- Lead hypothesis driven research projects that arise from the Hudson-Monash Paediatric Precision Medicine Program
- Conduct literature review, develop research design and plan, and submit ethics and biosafety applications
- Present research progress at laboratory and Institute seminars internally as well as at external conferences and meetings
- Submit research publications to peer reviewed journals

Clinical Activities (0.2 EFT):

- Have ongoing clinical management of children with cancer, with a focus on solid tumours and brain tumours
- Provide consultation advice on the investigation and management to other units in conjunction with senior medical staff
- Liaise with consultants on all aspects of patient care and patient management
- Attend appropriate inter-hospital oncology meetings
- Attend outpatient clinics as determined by the Head of Unit and in accordance with the fellowship
- Guide in-house staff on investigations and management when appropriate
- Assist the registrar in the management of seriously ill patients

3. Accountabilities, Characteristics and Responsibilities

Area	Requirement
Qualifications, Experience and Attributes:	<ul style="list-style-type: none"> ▪ MBBS, Part 1 FRACP or equivalent and at least 2 years general paediatrics experience at registrar level, and a minimum 12 months experience at senior registrar level in paediatric cancer ▪ Medical qualification registration in the State of Victoria for hospital fellowship practice in paediatric oncology. ▪ Intern, Junior and Senior HMO, Registrar (at least 2 years) ▪ A tertiary qualification in Bachelor of Science or Honours or Masters or related discipline and appropriate level of expertise gained from a combination of experience, training or professional accreditation. ▪ Eligible to enrol for a higher degree (MD, Masters or PhD) with the Department of Paediatrics or the Department of Molecular and Translational Science of the Faculty of Medicine, Nursing and Health Sciences, Monash University. ▪ A track record in, competence in or commitment to translational or clinical research.

Publications and Research Output	<ul style="list-style-type: none"> ▪ Working towards establishing a publications history ▪ Will have work published in refereed journals, books, conference & seminar papers ▪ Will have evidence of other significant research outputs including conference papers, reports, professional or technical contributions which provide evidence of research ability and potential for future development
Prizes Awards and Grants	<ul style="list-style-type: none"> ▪ Will contribute to grant writing
Leadership and Contributions to Research Training	<ul style="list-style-type: none"> ▪ Will oversee or coordinate other research/technical staff and/or students (possibly in a shared supervisory role) ▪ May supervise students at undergraduate levels or higher in a shared supervisory role
Peer Recognition	<ul style="list-style-type: none"> ▪ Plans, leads and facilitates internal collaborative processes ▪ Presents at national & sometimes international meetings where appropriate ▪ Involvement in appropriate professional activities
Research Translation – Commercialisation, Clinical & Public Health Activities	<ul style="list-style-type: none"> ▪ Nil

4. Working Relationships

Internal

- Centre Head and Research Group Heads, Centre for Cancer Research
- Unit Heads
- Senior Medical Staff
- Other ATR, Registrars, SRMOs and JRMOS
- Nurse Unit Manager and Nursing staff
- Managers: Acute Programs Directorate, Medical Support Unit and Medical Education Unit

External

- Royal Australasian College of Physicians
- Other public health services and laboratories.

5. About Hudson Institute

Hudson Institute is a premier Australian discovery and translation medical research institute. By unravelling the biology underlying disease, the Institute will use this information for transformative and innovative solutions to major health problems.

Hudson Institute has diverse strengths and research excellence encompassing paediatric and perinatal medicine, cancers, infectious and inflammatory diseases, endocrinology and reproductive health. Progressing our research requires a focused and directed strategy that incorporates thematic and programmatic excellence across the Institute. The Institute Centres will coordinate their research activity to take advantage of novel approaches and new models of disease. Enabling technologies will be shared and new platforms developed to meet new research challenges.

As the major research partner at the Monash Health Translation Precinct (MHTP) the Institute will underpin the research agenda of the precinct and drive research solutions to disease, leading to better health outcomes. Sophisticated cutting edge technologies co-located with clinical and laboratory research activities in the Translational Research Facility of the MHTP will enable the rapid translation of breakthrough discoveries to clinical care. Clinicians bring problems they have encountered at the bedside back to the laboratories to find solutions that will enhance patients' lives. The co-location of the Institute with Monash Health, one of the largest health care organisations in Australia, and our partnership with Monash University, the largest tertiary education and research organisation in Australia, enables the focus to be on patient needs. The research undertaken by Hudson Institute will address the major burdens of disease identified as priorities by the Federal Government and National Health and Medical Research Council and will integrate its research priorities with the themes of Monash Partners, a NHMRC accredited Advanced Health Research and Translation Centre.

Hudson Institute will be integral to the Faculty of Medicine, Nursing and Health Sciences (FMNHS) external relations strategic plan promoting strong relationships with hospital partners, driving interdisciplinary research in areas of national and global need and leveraging international partnerships.

To enable the vision of Hudson Institute to be world leading in research and translation, we must ensure our financial security, develop and nurture a highly skilled workforce, reward excellence and fully engage with the community to share and celebrate our ground breaking achievements.

Vision and Values:

Our Vision: We strive to enhance human health and the quality of life through ground-breaking, collaborative, medical research discoveries and innovation, and ensure its direct impact on the community.

Our Mission: To capitalise on our multidisciplinary research strengths and academic and health partnerships to provide transformative and innovative solutions to major health problems.

Our Values:

Innovation: We inspire and enable world class researchers at the frontiers of science and medicine to find new and transformative solutions to people's greatest health challenges.

Collaboration: Our multidisciplinary, integrated approach creates an enriched, energetic environment that encompasses the entire lifespan; this allows our researchers and clinicians to leverage each other's knowledge to spark creative ideas and make unexpected discoveries.

Community: We care deeply about improving the health and wellbeing of people in the community and we are committed to rewarding their investment in science.

Excellence: Integrity and passion underpin our pursuit of the highest level of knowledge achieving significant outcomes whilst nurturing and inspiring the next generation of scientists.

6. About Monash Health

Monash Health provides a world of healthcare across south eastern Melbourne, uniquely integrating primary, secondary and tertiary health services, as well as world-renowned research and teaching facilities in one organisation.

Our health service provides access to public health services for a greater community of 1.3 million residents or 24 per cent of Victoria's population. Monash Health also has a wider official specialist role for greater Melbourne, regional Victoria and interstate in such specialties as paediatrics, cardiology, transplants and neonatal intensive care, with extensive university affiliations.

More than 14,000 staff work at more than 40 care locations across south eastern Melbourne, including Monash Medical Centre, Moorabbin Hospital, Dandenong Hospital, Casey Hospital, Kingston Centre, Cranbourne Centre, and an extensive network of rehabilitation, community health and mental health facilities.

On average each year:

- We provide more than 2.67 million episodes of care to our community
- More than 221,000 people are admitted into our hospitals
- More than 193,000 people come to our three Emergency Departments for treatment
- We respond to more than 49,000 ambulance arrivals
- We deliver more than 9,000 babies, and
- More than 32,000 children are admitted to our Monash Children's Hospital and neonatal units.

Together, we seek to deliver quality patient-centred health care and services that meet the needs of our diverse community.

The Paediatric Integrated Cancer Services (PICS) is a partnership between Monash Health, the Royal Children's Hospital and Peter MacCallum Cancer Centre. The aim of the collaboration is to improve the planning and delivery of care for children with cancer. Depending on the task, the staff member will be required to work within the other campuses, the PICS team and other key staff to achieve an integrated cancer program for children across the sites.

As a member of staff working in Hudson Institute and Children's Cancer Centre at Monash Health, the staff member is expected to collaborate within their area of expertise to the development of a Paediatric Integrated Cancer Service.

Other relevant information:

- Hudson Institute is a totally smoke free workplace.
- The position is subject to terms set out in the Hudson Institute Enterprise Agreement (2015), Policies and Procedures and any subsequent variation to these.
- Hudson Institute is an Equal Employment Opportunity Employer.
- Hudson Institute has a commitment to Occupational Health and Safety. It is a condition of employment that staff comply with all health and safety related policy and procedures and take part in activities designed to improve the health and safety of the workplace.
- It is a requirement of the position to participate in the annual Performance Planning and Review process.

7. Endorsement

Name: (Supervisor)			
Signed:		Date:	
Name: (Employee)			
Signed:		Date:	
Name: (HR)			
Signed:		Date:	