



Position Description

Position title	<i>Biomedical Engineer</i>
Department / Division	<i>Biomedical Engineering/ Critical Care</i>
Classification	Class 1 Year 1 – Class 2 Year 2 (PH1 – PH56)
Position reports to	Manager Biomedical Engineering
No. of direct & indirect reports	N/A
Location	The Royal Children's Hospital, Flemington Road, Parkville
Risk category	Category B - works in a patient facing setting but rarely or unlikely to have contact with blood or body fluids (or aerosols without PPE)

The Royal Children's Hospital

The Royal Children's Hospital's (RCH) vision is A world where all kids thrive.

RCH is located within the Melbourne Biomedical Precinct, with more than 45 world-class biomedical organisations and more than 50,000 of the brightest minds working together to make the Precinct number one in the Asia Pacific region for health, education, research, and training. Within this, RCH is also a cornerstone member of the Melbourne Children's Campus, partnering with Murdoch Children's Research Institute, The University of Melbourne Department of Paediatrics and The Royal Children's Hospital Foundation. Each organisation contributes to a paediatric academic health centre which is greater than the sum of its parts.

RCH has cared for the children and young people of Victoria for more than 150 years since it was founded in 1870. A full range of paediatric and adolescent health services are provided plus tertiary and quaternary care for the most critically ill and medically complex patients in Victoria. Tasmania, southern NSW and other states around Australia and overseas. The RCH is the only provider of heart transplant services and CAR T-cell therapy for paediatrics in Australia. RCH is an effective advocate for patients and their families with a particular focus on vulnerable children and increasingly, mental health in young people. The hospital also supports many health promotion and prevention programs. The Hospital has more than 6,000 staff, a budget of \$850M, 12 wards and 350 beds. Annually, the RCH has 300,000+ Specialist Clinic appointments, 90,000+ Emergency Department presentations and 20,000 elective surgeries.

We work collaboratively with hospitals to deliver the right care, in the right place, at the right time. The RCH is committed to the Child Safe Standards <https://www.rch.org.au/quality/child-safety/>.

RCH enjoys high employee engagement and is committed to staff safety and a positive culture through enactment of our Compact.

Further information on RCH is available at www.rch.org.au

ROLE PURPOSE

The primary responsibility of the Biomedical Engineer is the repair, maintenance, medical device and electrical area testing, recall and incident investigation, advice on medical device acquisition and replacement, infrastructure guidance, along with cybersecurity for medical devices.

KEY ACCOUNTABILITIES

- Repair or arrange for the repair of defective equipment. Due consideration should be given to the cost, quality, and timeliness of the repair.
- Perform routine maintenance on medical equipment in accordance with the manufacturer's recommendations, Australian Standards and Biomedical Engineering procedures.
- Perform acceptance inspections and tests on medical equipment and systems purchased by the hospital recording the details of each item of equipment in accordance with Biomedical Engineering procedures.
- Test equipment, following repair or as scheduled, for correct function and electrical safety in accordance with the manufacturer's recommendations, Australian Standards and Biomedical Engineering procedures.
- Remove from service any equipment considered unsafe and advise the Manager of any safety or other serious equipment problem.
- Evaluation and testing of equipment being considered for purchase.
- Comply with the Biomedical Engineering quality system.
- Accurately record the details of all acceptance testing, evaluations and equipment service performed, in accordance with Biomedical Engineering policies and procedures.
- Attend relevant training sessions, seminars, lectures, short courses, and conferences, as required.
- Contribute to your own development and that of your co-workers.
- Be aware of and work in accordance with Hospital policies and procedures, including Occupational Health and Safety, Equal Employment Opportunity, Confidentiality, Consumer and Community Participation; and
- Requisition goods, spare parts and services for repairs, maintenance, and the efficient operation of the service.
- Release equipment and systems considered to be safe and functioning correctly by signing and dating relevant Requests for Biomedical Engineering Service; and
- Accept or reject equipment for use in the hospital based upon hospital policies and procedures, and compliance with relevant Australian standards, laws, and regulations.
- Carry out other appropriate duties as requested by the Biomedical Engineering Manager.

QUALIFICATIONS AND EXPERIENCE

Essential

- Formal qualifications in Biomedical Engineering or equivalent.
- Eligible for membership with Engineers Australia.

Desirable

- Experience in Biomedical Engineering would be highly desirable.
- An understanding of the healthcare sector.
- Proficient computer skills, including networking, are highly valued.

KEY SELECTION CRITERIA

- A knowledge of the relevant Australian and International Standards & their application to medical equipment.
- Great technical skills and a working knowledge of electronics and medical IT systems.
- Ability to prioritise and work within established guidelines, makes independent studies, analysis, interpretation, and conclusions.
- Excellent verbal and written communication skills.

OTHER REQUIREMENTS

- Employees are required to undertake a National Criminal Record Check and a Working with Children Check prior to commencing employment
- Employees are required to maintain a valid Working with Children Check throughout their employment
- A current, full driver's licence for the State of Victoria which is appropriate for the type of vehicle being driven, and comply with any restrictions on their licence (e.g. wearing glasses) while undertaking hospital duties (If applicable)
- Employees are required to maintain compliance with RCHs "Staff Immunisation - Prevention of Vaccine Preventable Diseases" procedure.

IMPORTANT INFORMATION

All employees are required to adhere to the Royal Children's Hospital Values:

- Curious - We are creative, playful and collaborative
- Courageous - We pursue our goals with determination, ambition and confidence
- Inclusive - We embrace diversity, communicate well, build connections and celebrate our successes together
- Kind - We are generous, warm and understanding

RCH COMPACT

All new and existing employees commit to the RCH Compact to contribute to a strong and respectful culture.

- We do better work caring for children and families when we also care for each other
- I bring a positive attitude to work – I share, I laugh, I enjoy other's company
- I take responsibility for my behaviour and its impact on others
- I am curious and seek out ways to constantly learn and improve
- I celebrate the good stuff, the small stuff, the big stuff – it all matters
- I speak up when things aren't right
- I value the many different roles it takes to deliver great patient care
- I actively listen because I want to understand others and make better decisions
- I am inclusive and value diversity
- When it comes to teamwork, I don't hold back – I'm all in

QUALITY, SAFETY AND IMPROVEMENT

RCH employees have a responsibility and accountability to contribute to the organisation's commitment to Quality, Safety and Improvement by:

- Acting in accordance and complying with all relevant Safety and Quality policies and procedures
- Identifying risks, reporting and being actively involved in risk mitigation strategies



- Participating in and actively contributing to quality improvement programs
- Complying with the requirements of the National Safety & Quality Health Service Standards
- Complying with all relevant clinical and/or competency standards
- Complying with the principles of Patient and Family Centred Care that relate to this position

The RCH is committed to a diverse and inclusive workforce. We encourage applications from Aboriginal and Torres Strait Islander people, people from culturally and/or linguistically diverse backgrounds, all members of the LGBTQI community and people with disability.

Position description last updated	October 2024
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