

Job Description



Position Title	Research Assistant/Research Officer	Level	A
Reports to (role)	Postdoctoral Researcher	Career Stream	Research
Team	Sarcoma Translational Research		
Location	The Kids Research Institute Australia, Perth Children's Hospital, 15 Hospital Ave, Nedlands		

PURPOSE OF POSITION

The purpose of this role is to conduct research into sarcoma with the goal of discovering and developing new effective and safe treatments for childhood cancer. More specifically, the research will involve applying immunotherapy in mouse models of sarcoma, combined with lab bench cellular and molecular biology work.

The Research Assistant/Research Officer (level dependent on experience) will work under the direction of Senior Scientists in the Sarcoma Translational Research team.

The Research Assistant/Research Officer will execute lab work of the highest quality using molecular biology techniques, and *in vitro* and particularly *in vivo* testing of treatment efficacy, toxicity and immunogenicity. Areas of responsibility include laboratory and animal work, experimental design, data analysis, data interpretation and reporting.

KEY RESPONSIBILITIES

Key Responsibilities	Tasks required to achieve Key Responsibilities	Measures
Laboratory & Research Activity	<ul style="list-style-type: none"> Assist with laboratory animal studies in mouse models of cancer e.g. establishment of tumours, administration of substances to animals via multiple routes, animal imaging, welfare monitoring, surgery under general anaesthesia. Conduct laboratory research, including but not limited to: <ul style="list-style-type: none"> Maintaining (human and mouse) cancer cell and immune cell cultures with aseptic technique. Tissue harvest from animal models and processing of samples. Molecular analyses, e.g. DNA/RNA/protein extraction, quantification, and visualisation (PCR, western blot). 	<ul style="list-style-type: none"> Generate reproducible, high-quality research results. Positive feedback from leader, team members, animal care staff, and collaborators. Quality of design and execution of experimental work. Robust and translatable results. Adherence to ethical and safety guidelines

	<ul style="list-style-type: none"> ○ Flow cytometry sample preparation, staining, and acquisition. • Plan, design and undertake research projects, with careful experimental design, using the most appropriate methods and incorporating all required controls and using correct statistical methods in the analyses. • Knowledge of, and adherence to, national and institutional guidelines on reproducible and robust science, laboratory safety, animal ethics. • Attend and participate at research seminars and meetings. • Conduct data analysis using statistical software (e.g. GraphPad Prism). • Collate, organise and present experimental results. • Participate in the day-to-day running of the laboratory in cooperation with other researchers. • Assist in the research and optimisation of novel laboratory techniques where required throughout the program. • Attend and participate at research seminars and meetings. • Other duties as directed. 	<p>and protocols. Equipment in good working order.</p> <ul style="list-style-type: none"> • Participate in research discussions.
Administration	<ul style="list-style-type: none"> • Complete detailed Lab book record keeping (LabArchives). • Maintain databases (including tumour samples, cell lines, DNA/RNA/protein). • Generate and maintain standard operating procedures. • Order supplies, liaising & negotiating with suppliers. • Write and/or assist with the preparation of animal ethics applications, communicating with the vet/bioresource team where needed. • Assist with the preparation of grant applications and articles (e.g. preparing figures, formatting documents etc). • Other administrative activities as requested. 	<ul style="list-style-type: none"> • Accuracy in records. • Experimental reproducibility and integrity. • Positive feedback from leader, team members, animal care staff and collaborators.
Development & Team Membership	<ul style="list-style-type: none"> • Organise and participate in team meetings. • Work cohesively and collaboratively with others – both internal and external stakeholders. 	<ul style="list-style-type: none"> • Positive feedback from team members and collaborators. • Harmonious and motivated work environment.
Workplace Safety	<ul style="list-style-type: none"> • Take reasonable care for your own safety and health and avoid harming the safety and health of others through any act or omission at work. • Identify and assess workplace hazards and apply hazard controls. • Report every workplace injury, illness or near miss, no matter how insignificant they seem. • Abide by Institute policies and procedures. 	<ul style="list-style-type: none"> • Responsibilities are embedded in work practices. • Hazards are effectively managed or reported. • Accidents and incidents are reported in a timely manner. • All applicable safety policies and procedures are

		sought, understood and implemented.
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ESSENTIAL CRITERIA

Qualifications:	Bachelor's degree in field of biological or related sciences (may have honours or master's degree).
Essential Skills, Knowledge & Experience:	<ul style="list-style-type: none"> • Demonstrated experience with animal research, in particular mouse models. • Demonstrated ability to set goals, develop priorities and meet deadlines. • Personal initiative and the ability to work effectively as part of a team.
Desirable Skills, Knowledge & Experience:	<ul style="list-style-type: none"> • Background knowledge of cancer immunology/immunotherapy. • Experience with in vitro cell culture and aseptic technique. • Ability to work across different projects and manage multiple priorities.

DIRECT REPORTS	0
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Approved by:	Co-Head, Sarcoma Translational Research
Date approved:	29.10.26
Reviewed by P&C:	29.10.26