



Position Description

College/Division:	College of Health and Medicine
Faculty/School/Centre:	John Curtin School of Medical Research
Department/Unit:	Biomolecular Resource Facility (BRF)
Position Title:	Senior Research Technician
Classification:	ANU Officer Grade 6 (Technical)
Position No:	TBA
Responsible to:	Manager, ANU Centre for Therapeutic Discovery
Number of positions that report to this role:	Nil
Delegation(s) Assigned:	Nil

PURPOSE STATEMENT:

The ANU Centre for Therapeutic Discovery (ACTD) is located within the Biomolecular Resource Facility (BRF) and provides advice and access to equipment to enable High Throughput Screening (HTS) and High Content Imaging (HCI) projects for academic research. The Senior Research Technician will provide high-level technical assistance by aiding with the ongoing operation of the ACTD, including the operation, maintenance and support of high throughput robotic/screening equipment and data, maintenance and preparation of consumables, and assisting clients with carrying out their screens/experiments.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

The Senior Technical Officer works under the direction of and reports to the Manager, ACTD and will also work closely with fellow BRF technicians. In addition, the Senior Research Technician will work closely and liaise with other BRF staff, internal and external facility clients including research students and other external stakeholders and equipment providers.

Role Statement:

The Senior Research Technician will:

- Provide advice and training for screeners using highly specialised biochemical and cell based assays (via robotic workflows) for high throughput screening applications
- Operate the platform robotics and supervise/train screeners (undergraduate/post-graduate students and staff) using the facility to conduct genome-wide siRNA/CRISPR, compound and compound screens
- Manage projects from numerous users and applications ensuring process scheduling maximises equipment usage and that the screening libraries and consumables have been prepared for the user.
- Write and optimise individual robotic protocols and workflows for large-scale screens on behalf of users, and work with users to develop protocols for specific individual requirements
- Manage platform computers and digital screening data storage (including database management)
- Take responsibility for the maintenance of the robotics systems including; weekly QC testing of all equipment and calibration; and liaise with the service engineers for faults, troubleshooting and organise repairs.
- Prepare, maintain and order stocks of screening and auxillary consumables for projects and on-selling
- Ensure that ACTD Compliance requirements are met including developing and maintaining relevant documentation, records, new protocols, SOPs and Risk Assessments for the ACTD, which are in a suitable format to ensure high standards and quality outcomes.
- Work at all times in accordance with the current ethical and legal standards covering human and animal research.
- Comply with all ANU policies and procedures, and in particular those relating to work health and safety and equal opportunity

SELECTION CRITERIA:

- An Associate Diploma OR Degree OR equivalent combination of relevant experience and education/training, with the capacity and willingness to learn new skills and technologies.
- Extensive experience in cell biology and imaging techniques (e.g. confocal imaging, FACS analysis) including initiative in project management, experimental design, protocol development and optimization. Additional experience with automated platforms, liquid handling robotics and platform technologies (e.g. high throughput screening) and / or data storage and database management is highly desirable.
- Demonstrated ability to work independently to interpret data, troubleshoot and perform quality assessments of highly technical procedures.
- Excellent oral and written communication skills including the ability to interact effectively with a diverse range of people and ability, and a willingness and ability to train others in the use of complex technologies and procedures.
- High level of organizational skills to prioritise, provide direction and manage workflows and users.
- Demonstrated ability to work effectively both independently and in a team environment to manage projects, finances, laboratory equipment and supplies to achieve operational outcomes and meet deadlines.
- A high level of knowledge and experience writing documentation relevant to SOPs, Occupational Health and Safety practices, Human Ethics Animal Ethics, Biological Safety, DAWE and Office of Gene Technology Working Practices or equivalent.
- A demonstrated high level of understanding of equal opportunity principles and a commitment to the application of EO policies in a university context.

The ANU conducts background checks on potential employees, and employment in this position is conditional on satisfactory results in accordance with the Background Checking Procedure which sets out the types of checks required by each type of position.

Supervisor/Delegate Signature:		Date:	
Printed Name:		Uni ID:	



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Pre-Employment Work Environment Report

Position Details

College/Div/Centre	CHM	Dept/School/Section	JCSMR
Position Title	Senior Research Technician	Classification	ANU06 (Technical)
Position No.		Reference No.	

In accordance with the Work Health and Safety Act 2011 (Cth) the University has a primary duty of care, so far as reasonably practicable, to ensure the health and safety of all staff while they are at work in the University.

- This form must be completed by the supervisor of the advertised position and appended to the back of the Position Description.
- This form is used to advise potential applicants of work environment and health and safety hazards prior to application.
- Once an applicant has been selected for the position they must familiarise themselves with the University WHS Management System via Handbook guidance <https://services.anu.edu.au/human-resources/health-safety/whs-management-system-handbook>
- The hazards identified below are of generic nature in relation to the position. It is not correlated directly to training required for the specific staff to be engaged. Identification of individual WHS training needs must be in accordance with WHS Local Training Plan and through the WHS induction programs and Performance Development Review Process.
- 'Regular' hazards identified below must be listed as 'Essential' in the Selection Criteria - see 'Employment Medical Procedures' at http://info.anu.edu.au/Policies/_DHR/Procedures/Employment_Medical_Procedures.asp

Potential Hazards

<ul style="list-style-type: none"> • Please indicate whether the duties associated with appointment will result in exposure to any of the following potential hazards, either as a regular or occasional part of the duties. 			
TASK	regular	occasional	
key boarding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
lifting, manual handling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
repetitive manual tasks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Organizing events	<input type="checkbox"/>	<input type="checkbox"/>	
fieldwork & travel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
driving a vehicle	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
NON-IONIZING RADIATION			
solar	<input type="checkbox"/>	<input type="checkbox"/>	
ultraviolet	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
infra red	<input type="checkbox"/>	<input type="checkbox"/>	
laser	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
radio frequency	<input type="checkbox"/>	<input type="checkbox"/>	
CHEMICALS			
hazardous substances	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
allergens	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
cytotoxics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
mutagens/teratogens/	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
carcinogens			
pesticides / herbicides	<input type="checkbox"/>	<input type="checkbox"/>	
TASK	regular	occasional	
laboratory work	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
work at heights	<input type="checkbox"/>	<input type="checkbox"/>	
work in confined spaces	<input type="checkbox"/>	<input type="checkbox"/>	
noise / vibration	<input type="checkbox"/>	<input type="checkbox"/>	
electricity	<input type="checkbox"/>	<input type="checkbox"/>	
IONIZING RADIATION			
gamma, x-rays	<input type="checkbox"/>	<input type="checkbox"/>	
beta particles	<input type="checkbox"/>	<input type="checkbox"/>	
nuclear particles	<input type="checkbox"/>	<input type="checkbox"/>	
BIOLOGICAL MATERIALS			
microbiological materials	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
potential biological allergens	<input type="checkbox"/>	<input type="checkbox"/>	
laboratory animals or insects	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
clinical specimens, including blood	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
genetically-manipulated specimens	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
immunisations	<input type="checkbox"/>	<input type="checkbox"/>	
OTHER POTENTIAL HAZARDS (please specify):			