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Position Description

College/Division:	ANU College of Health & Medicine
Faculty/School/Centre:	The John Curtin School of Medical Research
Department/Unit:	Department of Genome Biology
Position Title:	Research Fellow
Classification:	Academic Level B
Position No:	TBA
Responsible to:	Associate Professor, Department of Genome Biology, JCSMR

PURPOSE STATEMENT:

Research Fellow will undertake research in support of various research projects within the Department of Genome Biology, The John Curtin School of Medical Research. Research Fellow is also expected to carry out independent and/or team research within the field in which he/she is appointed and to carry out activities to develop his/her research expertise relevant to the particular field of research.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

Research Fellow will join the RNA Biology Group led by Associate Professor, Department of Genome Biology, The John Curtin School of Medical Research. Research Fellow will work on ARC/NHMRC funded projects focussing on exploring the role of non-coding RNA in various cellular processes.

Role Statement:

Specific duties required of a **Level B Academic** may include:

- the conduct of research either as a member of a team or independently, and the production of conference and seminar papers and publications from that research;
- design and implement experimental strategies and data analysis approaches to large datasets generated on HTS platforms;
- contribute a computational biology perspective and bioinformatics expertise to ongoing research. Projects in humans and in animal models will include:
 - Identification and mapping of epigenetic marks and DNA binding proteins by chromatin immunoprecipitation sequencing (CHIP-seq);
 - Investigation of gene expression network responses to external or intrinsic stimuli;
 - Analysis of transcriptome composition, epitranscriptomic marks and RNA-binding protein properties by RNA immunoprecipitation sequencing (RIP-seq).
- collaborate with researchers within the JCSMR, ANU, nationally and internationally to develop and apply new computational biological and bioinformatics methodologies;
- actively seek and secure external funding including preparation and submission of research proposals to external funding bodies;
- supervision of research-support staff involved in the staff member's research;
- guidance in the research effort of junior members of research-only academic staff in his/her research area;
- involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise;
- administrative functions primarily connected with his/her area of research;
- occasional contributions in the teaching program within the field of the staff member's research;

- co-supervision, or where appropriate supervision, of major honours or postgraduate research projects within the field of the staff member's area of research;
- attendance at meetings associated with research or the work of the organisational unit to which the research is connected and/or departmental and/or faculty meetings and/or membership of a limited number of committees; and
- other duties as allocated by the supervisor or the Vice-Chancellor consistent with the classification of the position.

Skill Base

A **Level B Academic** will normally have completed a relevant doctoral qualification or have equivalent qualifications or research experience.

In addition he/she may be expected to have had post-doctoral research experience that has resulted in publications, conference papers, reports or professional or technical contributions that give evidence of research ability.

SELECTION CRITERIA:

1. A PhD in the area of Bioinformatics with a strong record of achievement at the postgraduate level as evidenced by publications in peer reviewed journals.
2. Extensive experience with high throughput biological data, such as RNA or DNA sequencing.
3. An ability and commitment to win bids for competitive external funding to support individual and collaborative research activities.
4. Demonstrated programming experience preferably in an object-orientated programming language, or have some knowledge of a scripting language. Familiarity with statistics including experience using statistical programming languages such as R and python and machine learning techniques (neural network, SVM, etc.).
5. Demonstrated experience in planning, implementing and managing significant projects with complex requirements including the ability to set and monitor own work objectives within set resource limits and deadlines.
6. Highly developed oral and written communication skills and ability to work diligently, in a team as well as independently, towards goals established by the research team.
7. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

Supervisor Signature:		Date:	24 September 2018
Printed Name:	A/Prof Tamás Fischer	Uni ID:	U1018353

References:

[Academic Minimum Standards](#)



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Pre-Employment Work Environment Report

Position Details

College/Div/Centre	CHM	Dept/School/Section	JCSMR
Position Title	Research Fellow	Classification	Academic Level B
Position No.	TBA	Reference No.	

In accordance with the Occupational Health and Safety Act 1991 the University has a duty of care to provide a safe workplace for all staff.

- This form must be completed by the supervisor of the advertised position and forwarded with the job requisition to Appointments and Promotions Branch, Human Resources Division. Without this form jobs cannot be advertised.
- This form is used to advise potential applicants of work environment issues prior to application.
- Once an applicant has been selected for the position consideration should be given to their inclusion on the University's Health Surveillance Program where appropriate – see. http://info.anu.edu.au/hr/OHS/___Health_Surveillance_Program/index.asp
Enrolment on relevant OHS training courses should also be arranged – see http://info.anu.edu.au/hr/Training_and_Development/OHS_Training/index.asp
- '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

- 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	TASK	regular	occasional
key boarding	☒	☐	laboratory work	☐	☐
lifting, manual handling	☐	☐	work at heights	☐	☐
repetitive manual tasks	☐	☐	work in confined spaces	☐	☐
catering / food preparation	☐	☐	noise / vibration	☐	☐
fieldwork & travel	☐	☐	electricity	☐	☐
driving a vehicle	☐	☐			
NON-IONIZING RADIATION			IONIZING RADIATION		
Solar	☐	☐	gamma, x-rays	☐	☐
ultraviolet	☐	☐	beta particles	☐	☐
infra red	☐	☐	nuclear particles	☐	☐
Laser	☐	☐			
radio frequency	☐	☐			
CHEMICALS			BIOLOGICAL MATERIALS		
hazardous substances	☐	☐	microbiological materials	☐	☐
allergens	☐	☐	potential biological allergens	☐	☐
cytotoxics	☐	☐	laboratory animals or insects	☐	☐
mutagens/teratogens/	☐	☐	clinical specimens, including blood	☐	☐
carcinogens					
pesticides / herbicides	☐	☐	genetically-manipulated specimens	☐	☐
			immunisations	☐	☐
OTHER POTENTIAL HAZARDS (please specify):					

Supervisor's Signature:		Print Name:	A/Prof Tamás Fischer	Date:	24 September 2018
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