



**Australian
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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 Science
Position Title:	Postdoctoral Fellow/Research Fellow
Classification:	Academic Level A/B
Position No:	TBA
Responsible to:	Group Leader - The Tremethick Group - Chromatin and transcriptional regulation during development

PURPOSE STATEMENT:

The Postdoctoral Fellow/Research Fellow is required to support an exciting project to delineate new structural ways in which the packaging of our genome into chromatin impacts gene expression in the Tremethick Laboratory in the Department of Genome Science, The John Curtin School of Medical Research. Specifically, the project will involve uncovering the molecular mechanism of how histone variants, and other chromatin proteins, specifically recognise RNA and how this influences the outcomes of transcription and splicing.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

Based at The John Curtin School of Medical Research, the Postdoctoral Fellow / Research Fellow will work in the Tremethick Laboratory, Department of Genome Science and will report to the Group Leader – Tremethick Group. The Postdoctoral Fellow / Research Fellow will be required to work independently and be able to balance their workload between experimental work, adequate reading of the literature, preparing their results for publication or presentation and supporting or supervising students.

Role Statement:

Specific duties required of a Postdoctoral Fellow / Research Fellow may include:

- Perform scientific research consistent with the aims of the projects. This will include reconstituting chromatin in vitro and determining how RNA binding by histone variants influences transcription and splicing, as well as characterising new putative histone variant chaperones that can regulate these interactions in a cancer setting.
- Keep an accurate, permanent record of all work done.
- Write research papers suitable for publication in highly ranked international journals and give excellent presentations based on their results at relevant conferences.
- Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise;
- Occasional contributions to teaching in relation to his/her research project(s);
- Attendance at meetings associated with research or the work of the organisational unit to which the research is connected and/or at departmental and/or faculty meetings and/or membership of a limited number of committees;
- Actively assist in the supervision of undergraduate and post-graduate students, as required, within the field of the staff member's research.
- Comply with all ANU policies and procedures, and in particular those relating to work health and safety and equal opportunity, and
- Other duties as required consistent with the classification level of the position.

Skill Base

A **Level A** research academic will normally have completed four years of tertiary study in the relevant discipline and/or have equivalent qualifications and/or research experience. In many cases a position at this level will require an honours degree or

higher qualifications or equivalent research experience. Research experience may have contributed to or resulted in publications, conference papers, reports or professional or technical contributions that give evidence of research potential.

A **Level B** research 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:

Academic Level A

1. A PhD awarded or imminent thesis submission in biomedical science, preferably in the general discipline of protein biochemistry and/or structural biology.
2. Recent experience with one or more of: protein expression and purification and/or protein structural or biophysical approaches. Experience in the chromatin or RNA fields would be an advantage.
3. Evidence of original intellectual contribution, critical thinking and self-motivation in pursuit of career goals.
4. Demonstrated ability to work independently and as part of a collaborative team toward delivery of required research outcomes.
5. Well-developed time management and organisational skills as well as excellent written and oral communication skills as demonstrated by an ability to present recent research.
6. Proven ability to analyse and solve problems and to be flexible and adaptable in an ever-changing professional environment.
7. A demonstrated understanding of equal opportunity principles and a commitment to the application of these policies in a University context.

Academic Level B

1. A PhD or equivalent in biomedical science, preferably in the general discipline of protein biochemistry and/or structural biology with a strong track record of independent research as evidenced by publications in peer-reviewed journals, conference presentations.
2. High-level knowledge of and recent experience with two or more of: protein expression and purification, protein structural or biophysical approaches, reconstituting macromolecular protein complexes, characterising RNA-protein interactions. Experience in the chromatin or RNA fields would be an advantage.
3. Evidence of original intellectual contribution, critical thinking and self-motivation in pursuit of career goals.
4. Demonstrated ability to work independently and as part of a collaborative team toward delivery of required research outcomes.
5. Well-developed time management and organisational skills as well as excellent written (as evidenced by publications) and oral communication skills as demonstrated by an ability to present recent research.
6. Proven ability to analyse and solve problems and to be flexible and adaptable in an ever-changing professional environment.
7. A demonstrated understanding of equal opportunity principles and a commitment to the application of these policies in a University context.

Supervisor Signature:		Date:	30 January 2018
Printed Name:	Professor David Tremethick	Uni ID:	U9100316

References:

[Academic Minimum Standards](#)



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Pre-Employment Work Environment Report

Position Details

College/Div/Centre	College of Health & Medicine	Dept/School/Section	JCSMR
Position Title	Postdoctoral Fellow/Research Fellow	Classification	Academic Level A/B
Position No.	TBA	Reference No.	TBA

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	laboratory work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
lifting, manual handling	<input type="checkbox"/>	<input type="checkbox"/>	work at heights	<input type="checkbox"/>	<input type="checkbox"/>
repetitive manual tasks	<input type="checkbox"/>	<input type="checkbox"/>	work in confined spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>
catering / food preparation	<input type="checkbox"/>	<input type="checkbox"/>	noise / vibration	<input type="checkbox"/>	<input type="checkbox"/>
fieldwork & travel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	electricity	<input type="checkbox"/>	<input type="checkbox"/>
driving a vehicle	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
NON-IONIZING RADIATION			IONIZING RADIATION		
solar	<input type="checkbox"/>	<input type="checkbox"/>	gamma, x-rays	<input type="checkbox"/>	<input type="checkbox"/>
ultraviolet	<input type="checkbox"/>	<input type="checkbox"/>	beta particles	<input type="checkbox"/>	<input type="checkbox"/>
infra red	<input type="checkbox"/>	<input type="checkbox"/>	nuclear particles	<input type="checkbox"/>	<input type="checkbox"/>
laser	<input type="checkbox"/>	<input type="checkbox"/>			
radio frequency	<input type="checkbox"/>	<input type="checkbox"/>	BIOLOGICAL MATERIALS		
CHEMICALS			microbiological materials	<input type="checkbox"/>	<input type="checkbox"/>
hazardous substances	<input type="checkbox"/>	<input type="checkbox"/>	potential biological allergens	<input type="checkbox"/>	<input type="checkbox"/>
allergens	<input type="checkbox"/>	<input type="checkbox"/>	laboratory animals or insects	<input type="checkbox"/>	<input type="checkbox"/>
cytotoxics	<input type="checkbox"/>	<input type="checkbox"/>	clinical specimens, including blood	<input type="checkbox"/>	<input type="checkbox"/>
mutagens/teratogens/carcinogens	<input type="checkbox"/>	<input type="checkbox"/>	genetically-manipulated specimens	<input type="checkbox"/>	<input type="checkbox"/>
pesticides / herbicides	<input type="checkbox"/>	<input type="checkbox"/>	immunisations	<input type="checkbox"/>	<input type="checkbox"/>
OTHER POTENTIAL HAZARDS (please specify):					

Supervisor's Signature:		Print Name:	Professor David Tremethick	Date:	30 January 2018
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