



Position Description

College/Division:	ANU College of Medicine Biology and Environment
Faculty/School/Centre:	The John Curtin School of Medical Research
Department/Unit:	Eccles Institute of Neuroscience – Clear Vision Research – Natoli Laboratory
Position Title:	Postdoctoral Fellow
Classification:	Academic Level A
Position No:	TBC
Responsible to:	Dr Riccardo Natoli – Eccles Institute of Neuroscience

PURPOSE STATEMENT:

The Postdoctoral Fellow is expected to contribute towards the research effort of the institution and to develop their research expertise through the pursuit of defined projects relevant to the particular field of research. In this role, you will undertake research in the area involved in novel therapeutics and diagnostics for the treatment of Age Related Macular Degeneration and involves the execution of research from experimental design through to the production of publications. This position will also require experience in working on both academic and commercial research projects.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

The Postdoctoral Fellow will work with the Clear Vision Research team, reporting directly to Dr Riccardo Natoli, Eccles Institute of Neuroscience and collaborate with Associate Professor Krisztina Valter-Kosci at the Medical School and John Curtin School of Medical Research, Australian National University (ANU). They are expected to take a lead role in the progression of the Clear Vision Research lab, contributing to the completion of current and helping to develop future projects. Further, they will also collaborate with staff and students within the group, School, College and University as well as external stakeholders and industry partners.

Role Statement:

Specific duties required of a Level A Academic may include:

1. the conduct of research under limited supervision either as a member of the team, with the view to contributing to the production of conference and seminar papers and publications from that research;
2. involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise;
3. administrative functions primarily connected with the area of research of the academic;
4. liaise with external stakeholders and KOLs pertaining to long-term commercial projects and collaborations
5. occasional contributions to teaching in relation to his/her research project(s);
6. experimental design, and operation of advanced laboratory and technical equipment or conduct of advanced research procedures;
7. 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;
8. provide advice within the field of the staff member's research to postgraduate students; and
9. other duties as allocated by the supervisor or the Vice-Chancellor consistent with the classification of the position.

Skill Base

A **Level A 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 A Academic** shall work with support, guidance and/or direction from staff classified at Level B and above and with an increasing degree of autonomy as the research academic gains in skill and experience.

SELECTION CRITERIA:

1. Experience in the area of cell biology, with a strong record of achievement at the graduate and undergraduate level and a strong record of publication in peer-reviewed journals relative to opportunity. The successful candidate must have completed a PhD. Experience in one or more areas of retinal cell biology, non-coding RNA (including miRNA), exosomes and neuroinflammation is advantageous.
2. Experience with a range of molecular, cell culture, electrophysiology and histological techniques are required. This should include: immunohistochemistry, qPCR, laboratory animal husbandry, ERG, OCT, cell culture of primary cells, microscopy, flow cytometry, cell sorting, western blotting, intravitreal injections of rodents, small tissue dissection. Analysis of HTS data and bioinformatics would be also highly regarded.
3. Demonstrated ability to develop new protocols as required for the workgroup is essential.
4. Demonstrated ability of working with ocular tissue extracted from animal models and humans is advantageous. Knowledge of factors involved in retinal inflammation, AMD and the involvement of miRNA in regulation of inflammation in the retina is also advantageous.
5. Excellent written and oral communication skills in English, with a strong track record of presentation ability to both a scientific and lay audience. This includes the ability to keep good records including computer-based information, with experience in digital lab books such as lab archives. Demonstrated ability to produce drafts of publications and prepare manuscripts for submission, including liaising with collaborators in various institutions and industry firms.
6. Demonstrated ability in project management and leading research projects with industry partners including final report writing and presentation of final reports.
7. Demonstrate experience and ability to work effectively in a preclinical pipeline with commercial partners
8. Ability to work effectively, in both a team environment and independently, with staff and students from diverse backgrounds, and the ability and willingness to assist with the supervision of undergraduate and graduate students.
9. Demonstrated ability to liaise and communicate with external stakeholders and KOLs in long-term industry partnerships
10. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

Supervisor Signature:		Date:	9/11/2019
Printed Name:	Dr Riccardo Natoli	Uni ID:	U4100537

References:

[Academic Minimum Standards](#)



Position Description

College/Division:	ANU College of Medicine Biology and Environment
Faculty/School/Centre:	The John Curtin School of Medical Research
Department/Unit:	Eccles Institute of Neuroscience – Clear Vision Research – Natoli Laboratory
Position Title:	Research Fellow
Classification:	Academic Level B
Position No:	TBC
Responsible to:	Dr Riccardo Natoli – Eccles Institute of Neuroscience

PURPOSE STATEMENT:

The Postdoctoral Fellow is expected to contribute towards the research effort of the institution and to develop their research expertise through the pursuit of defined projects relevant to the particular field of research. In this role, you will undertake research in the area involved in novel therapeutics and diagnostics for the treatment of Age Related Macular Degeneration and involves the execution of research from experimental design through to the production of publications. This position will also require experience in working on both academic and commercial research projects.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

The Postdoctoral Fellow will work with the Clear Vision Research team, reporting directly to Dr Riccardo Natoli, Eccles Institute of Neuroscience and collaborate with Associate Professor Krisztina Valter-Kosci at the Medical School and John Curtin School of Medical Research, Australian National University (ANU). They are expected to take a lead role in the progression of the Clear Vision Research lab, contributing to the completion of current and helping to develop future projects. Further, they will also collaborate with staff and students within the group, School, College and University as well as external stakeholders and industry partners.

Role Statement:

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

1. the conduct of research under limited supervision either as a member of the team, with the view to contributing to the production of conference and seminar papers and publications from that research;
2. supervise Postdoctoral Fellow's and research support staff in your research area.
3. assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
4. actively seek and secure external funding including the preparation and submission of research proposals to external funding bodies.
5. involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise;
6. administrative functions primarily connected with the area of research of the academic;
7. liaise with external stakeholders and KOLs pertaining to long-term commercial projects and collaborations
8. occasional contributions to teaching in relation to his/her research project(s);
9. experimental design, and operation of advanced laboratory and technical equipment or conduct of advanced research procedures;

10. 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;
11. provide advice within the field of the staff member's research to postgraduate students; and
12. 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 undertake independent research in their discipline or related area. In research a **Level B Academic** will make an independent contribution through professional practice and expertise and coordinate and/or lead the activities of other staff, as appropriate to the discipline. The academic will normally undertake administration primarily relating to their activities at the institution and may be required to perform the full academic responsibilities of and related administration for the coordination of an award program of the institution.

SELECTION CRITERIA:

1. Experience in the area of cell biology, with a strong record of achievement at the graduate and undergraduate level and a strong record of publication in peer-reviewed journals relative to opportunity. The successful candidate must have completed a PhD. Experience in one or more areas of retinal cell biology, non-coding RNA (including miRNA), exosomes and neuroinflammation is advantageous.
2. Experience with a range of molecular, cell culture, electrophysiology and histological techniques are required. This should include: immunohistochemistry, qPCR, laboratory animal husbandry, ERG, OCT, cell culture of primary cells, microscopy, flow cytometry, cell sorting, western blotting, intravitreal injections of rodents, small tissue dissection. Analysis of HTS data and bioinformatics would be also highly regarded.
3. Demonstrated ability to develop new protocols as required for the workgroup is essential.
4. Demonstrated ability of working with ocular tissue extracted from animal models and humans is advantageous. Knowledge of factors involved in retinal inflammation, AMD and the involvement of miRNA in regulation of inflammation in the retina is also advantageous.
5. Excellent written and oral communication skills in English, with a strong track record of presentation ability to both a scientific and lay audience. This includes the ability to keep good records including computer-based information, with experience in digital lab books such as lab archives. Demonstrated ability to produce drafts of publications and prepare manuscripts for submission, including liaising with collaborators in various institutions and industry firms.
6. Demonstrated ability in project management and leading research projects with industry partners including final report writing and presentation of final reports.
7. Demonstrate experience and ability to work effectively in a preclinical pipeline with commercial partners
8. Ability to work effectively, in both a team environment and independently, with staff and students from diverse backgrounds, and the ability and willingness to assist with the supervision of undergraduate and graduate students.
9. Demonstrated ability to liaise and communicate with external stakeholders and KOLs in long-term industry partnerships
10. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

Supervisor Signature:

Date:

9/11/2019

Printed Name:	Dr Riccardo Natoli	Uni ID:	U4100537
---------------	--------------------	----------------	----------

References:[Academic Minimum Standards](#)