

SENIOR LECTURER, TRANSPLANT IMMUNOLOGY



Job No. 4478

The University of Newcastle is an equal opportunity employer committed to equity, diversity and social inclusion. Women and Aboriginal and Torres Strait Islander candidates are particularly encouraged to apply.

- Full time, fixed term contract for 4 years
- Based at the HMRI Newcastle, Australia
- Join a dynamic research collaborative in translational medical research

Be challenged and imagine with us

The School of Biomedical Sciences and Pharmacy (SBSP) in the College of Health, Medicine and Wellbeing is a vibrant and ambitious school, with a proud record of research and teaching excellence. It provides world-class education for students interested in careers in Biomedical Science (anatomy, physiology, immunology, microbiology, biochemistry, genetics and pharmacology) and Pharmacy. SBSP is also one of the most research-intensive Schools within the University. Hunter Medical Research Institute (HMRI) is a collaborative, state of the art research facility committed to innovation and translation. The Newcastle Transplant Unit (NTU) within the Hunter New England Local Health District provides services in renal transplantation and has a strong record in translational transplant research.

The Senior Lecturer in Transplant Immunology will align with the strategic priorities of the NHMRC, Medical Research Future Fund (MRFF), HMRI, the College of Health, Medicine and Wellbeing, the School of Biomedical Sciences and Pharmacy and the Newcastle Transplant Unit.

Based at HMRI, this is a fulltime position being offered as a fixed term contract for four years.

How will you inspire us?

As a Senior Lecturer in Transplant Immunology, you will develop a career in transplantation biology (immunology/molecular medicine) and its translation into clinical practice. Playing an integral role between our partners HMRI, HNELHD and Newcastle Transplant Unit (NTU), you will be instrumental in building the research discipline of transplant immunology.

The key research areas and scope of investigation will include (but not be limited to):

- The role of genetic signatures for immune tolerance and rejection in transplant recipients and relate this information to the levels of immunosuppression in clinical practice
- The role of heparanase in transplant rejection and its treatment by heparanase inhibitors
- The diagnosis and pathogenesis of BK viral infection in clinical transplantation
- The place of micro sampling in the management of transplant recipients

In addition, you will lead other directed translational transplant immunology research projects currently in progress within NTU, participate on Scientific Committees including the NTU and Early-Mid Career Researcher development programs. You would be expected to apply for conjoint academic status with HNEHLHD.

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With post-doctoral qualifications in Immunology, you will have experience in writing successful grant applications, experience in research project management, safety and ethics applications and a track record of contributing to and first authoring peer reviewed publications.

For additional information on the position contact Professor Lisa Wood, Head of School, Biomedical Sciences & Pharmacy on 02 49217485 or via email lisa.wood@newcastle.edu.au or Professor Adrian Hibberd AM, emeritus consultant in transplantation HNELHD at Adrian.Hibberd@health.nsw.gov.au

For a full job description including the essential criteria, visit <https://www.newcastle.edu.au/about-uon/jobs-at-uon/job-vacancies>.

Closing date: Wednesday, 17 February 2021

Conditions & Benefits

Level C from \$123,967 - \$142,944 p/a plus 17% superannuation with UniSuper. Additional information on benefits and conditions of employment is available via these links:

<http://www.newcastle.edu.au/about-uon/jobs-at-uon/benefits-at-a-glance>

<http://www.newcastle.edu.au/about-uon/jobs-at-uon>

Submitting your application. Please note: your application must include:

- **a statement addressing the selection criteria (4 pages max)**
- **your CV with contact details for three relevant referees.**

Before submitting your application please read the important information and useful tips on what to include - available via this link: [Submitting your application](#)

Additional information about our application process is available via this link: [Application Process](#)

If you have any difficulties uploading your application, please telephone HR Services (+61 2)4033 9999 - and press 2- during business hours (AEST) or email: employment@newcastle.edu.au

POSITION DESCRIPTION – Academic Staff

Position Title	Senior Lecturer in Transplant Immunology
Academic Level	Level C
School / Unit	School of Biomedical Sciences and Pharmacy
Faculty / Division	College of Health, Medicine and Wellbeing
Reports to	Professor Lisa Wood
Direct Reports	Nil
Indirect Reports	Nil
Contract Type	Fixed Term (1.0 FTE) for 4 years

ROLE DESCRIPTION

The Senior Lecturer (Transplant Immunology) will develop a career in transplantation biology (immunology/molecular medicine) and its translation into clinical practice. They will be required to play an integral role between our partners HMRI, HNELHD and Newcastle Transplant Unit (NTU) to synthesise and build the research discipline of transplant immunology.

Research and scope of investigation will include (but not be limited to):

- the role of genetic signatures for immune tolerance and rejection in transplant recipients and relate this information to the levels of immunosuppression in clinical practice;
- the role of heparanase in transplant rejection and its treatment by heparanase inhibitors;
- the diagnosis and pathogenesis of BK viral infection in clinical transplantation;
- assessment of micro-sampling in the management of transplant recipients.

The Senior Lecturer (Transplant Immunology) will align with the strategic priorities of the NHMRC, Medical Research Future Fund (MRFF), HMRI, the College of Health, Medicine and Wellbeing and the School of Biomedical Sciences and Pharmacy.

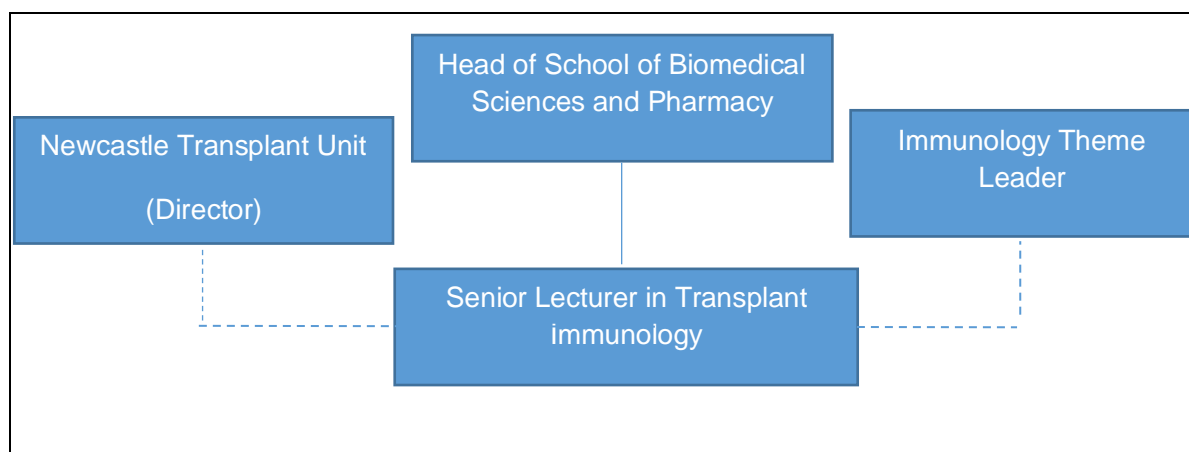
The role will also include directed translational transplant research projects currently in progress within NTU.

OVERVIEW OF UNIT/SCHOOL AND POSITION CONTEXT

The University of Newcastle stands as a global leader distinguished by a commitment to equity and excellence. Our vision is to be a world-leading University for our regions and creating a better future for our regions and the globe. Underpinned by this vision and our values of excellence, equity, engagement and sustainability, [the University of Newcastle's Looking Ahead Strategic Plan 2020-2025](#) outlines the University's commitment to delivering an exceptional student experience and serving our communities.

The School of Biomedical Sciences and Pharmacy (SBSP) is a vibrant and ambitious school, with a proud record of research and teaching excellence. It provides world-class education for students interested in careers in Biomedical Science (anatomy, physiology, immunology, microbiology, biochemistry, genetics and pharmacology) and Pharmacy. SBSP is one of the most research-intensive Schools within the University, with an income of ~\$20m per year and over 130 postgraduate research students.

ORGANISATION CHART



ROLE RESPONSIBILITIES AND TYPICAL ACTIVITIES

Areas of accountability listed in approximate order of importance and time commitment

Area of accountability	Core Responsibilities & Typical Activities	Measures of Performance
Research and Innovation	<ul style="list-style-type: none">Undertake transplantation immunology research in line with NTU priorities and current projects, which align with MRFF, College and School strategies.Coordinate and prepare research protocols, ethics and data applications and reports.Conduct data analyses.Publish and/or disseminate research outcomes.	Meet the core requirements for all academic staff listed under research and innovation in the Academic Performance Expectation Framework.

Area of accountability	Core Responsibilities & Typical Activities	Measures of Performance
	<ul style="list-style-type: none"> Supervise higher degree research students as opportunities arise. Contribute to and participate in research seminars as required. Apply for external research grants and fellowships, and/or actively seek other appropriate funds from external sources. Other duties as requested from time to time. 	
Service and Engagement	<ul style="list-style-type: none"> Participate on the Scientific Committee of the Hunter Transplant Research Foundation (HMRI). Participate in the Early-Mid Career Researcher development programs, such as HMRI Ignite events. 	<p>Contribution to meetings.</p> <p>Attendance at programs</p>

POSITION CHARACTERISTICS

Organisational Knowledge	Maintain a proficiency in the work area's rules, regulations, processes and techniques and how they interact with other related functions.
Professional / Industry Knowledge	<p>Experience and skills in immunology.</p> <p>Experience in research projects and ethics/governance requirements.</p> <p>A knowledge of and demonstrated commitment to workplace diversity and occupational health and safety and an ability to apply them to one's work practices.</p> <p>Understanding of and ability to apply EEO principles in the workplace</p>
Level of supervision / independence	<p>Responsible to the Head of School of Biomedical Sciences and Pharmacy. Mentoring is provided by the Director of the NTU and the Immunology Theme Leader, School of Biomedical Sciences and Pharmacy based at HMRI.</p> <p>Undertakes high quality research under minimal direction.</p>
Problem solving and judgement	Use initiative to solve problems within established parameters which includes making recommendations on course of actions to be taken for authorisation by others.

	Identify priorities and exercise judgement on work methods and task sequence within specified timelines and standard practices and procedures
Key relationships (internal & external) & immediate team	<p>The position is embedded within the School of Biomedical Science and Pharmacy and directly reports to the Head of School. Mentoring will be provided by the Immunology Theme Leader, SBSP and the Director of the Newcastle Transplant Unit.</p> <p>The Senior Lecturer will be a member of the Scientific Committee of the Hunter Transplant Research Foundation (HMRI) and research priorities will be set in line with the NTU.</p> <p>Internally, the Senior Lecturer will also interact with other school staff, research staff of the other schools, divisions and centres within the University.</p> <p>Externally, the Senior Lecturer will interact with key stakeholders, researchers and clinicians from other universities and institutes, accrediting bodies, non-government organisations, and members of the broader community as relevant.</p> <p>The Senior Lecturer will be expected to apply for conjoint status with HNEHLD, to ensure access to required facilities and databases.</p>
Challenges	<p>Required to arrange workload according to priorities ensuring that research deliverables and milestones are met within the set project timeframe.</p> <p>Required to abide by the Australian Code for the Responsible Conduct of Research.</p>
Special Characteristics	<p>Travel for research purposes will be required e.g. for meetings / conference attendance, data collection and collaboration with key stakeholders.</p> <p>Flexible work arrangement will be considered</p>
WWC Check Required	No
Criminal Record Check required	Yes

EXPECTED BEHAVIOURS

The role is expected to display personal qualities and behaviours consistent with a Middle Leader Level as outlined in the [Leadership Framework](#).

The UON Leadership framework describes six leadership capabilities for both academic and professional staff. At UON leaders; shape the future, engage beyond the University, work collaboratively, strive for excellence, drive performance and show courage and respect.

At UON we recognise that while leaders exist at all levels, people face different challenges and demands depending on their leadership level. For each Leadership Capability the behaviours reflect how each capability can be observed at different leadership levels in the University.

INHERENT REQUIREMENTS

This Position Description outlines the major accountabilities/responsibilities and the selection criteria against which candidate's suitability for the position are assessed. As such there are specific job requirements that are referred to as Inherent Requirements. Inherent Requirements refer the ability of the candidate/incumbent to:

- Perform the essential duties and functional requirements of the job;
- Meet the productivity and quality requirements of the position;
- Work effectively in the team or other type of work organisation concerned; and
- Do the job without undue risk to own or others health, safety and welfare at work.

An applicant who has any injuries, illness, disorder, impairment, condition or incapacity that may affect the ability to perform the inherent requirements of the position are encouraged to discuss this with the University to assist in the process of identifying reasonable adjustments that may be required to enable the candidate/incumbent to perform the duties of the position.

ESSENTIAL CRITERIA

- Doctoral qualification in immunology.
- Experience in writing successful grant applications.
- Experience in research project management, safety and ethics applications.
- Track record of contributing to / first authoring peer reviewed publications.
- Demonstrated capacity to work independently and in a team environment.
- Excellent oral and written communication skills.
- Knowledge of, and experience in adhering to workplace policies and procedures in the areas of work health safety, equity, diversity and promoting a respectful workplace culture.

PD Last reviewed:	January 2021
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