



THE UNIVERSITY OF
**WESTERN
AUSTRALIA**

Health and
Medical Sciences

School of Biomedical Sciences

Professor of Microbiology

Information for candidates



Appointment of Professor of Microbiology



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THE UNIVERSITY OF
**WESTERN
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Professor Dawn Freshwater
Vice-Chancellor
The University of Western Australia

Introduction

A dynamic and progressive institution with a reputation for international excellence in teaching, learning and research, The University of Western Australia is a member of the prestigious Go8 partnership of leading Australian research-intensive universities.

The University continues to build on its reputation for excellence and is a major research contributor in the medical and health sectors and other areas that align with national research and innovation priorities.

Applications are invited for appointment to a tenurable Professor of Microbiology position in the Faculty of Health and Medical Sciences and on behalf of the University and the faculty I welcome your interest in this position.

We want you to pursue what others deem impossible, to challenge convention and be inspired by all of the possibilities. We offer you an environment in which you can really make a difference to the world and encourage others to do so too. You are not only joining a World Top 100 university, you will be part of a community of people committed to the world's advancement.

The Professor of Microbiology is expected to provide a visionary perspective to the discipline, academic leadership in teaching, research and policy development. The appointee will show evidence of a strong record of published research, be actively involved in research and possess the ability to foster the research of others.

Situated on the QE11 Medical Centre site, Microbiology is a vibrant, growing discipline and a key unit in the Medical School and its staff have a significant role in the development and implementation of the new medical curriculum, the Microbiology and Immunology major and Master and Graduate Diploma in Infectious Diseases courses.

I invite you to consider the possibilities available for this position in a university with a reputation for excellence and the vitality and excitement of an innovative research environment.

Professor Dawn Freshwater
Vice-Chancellor

The University of Western Australia

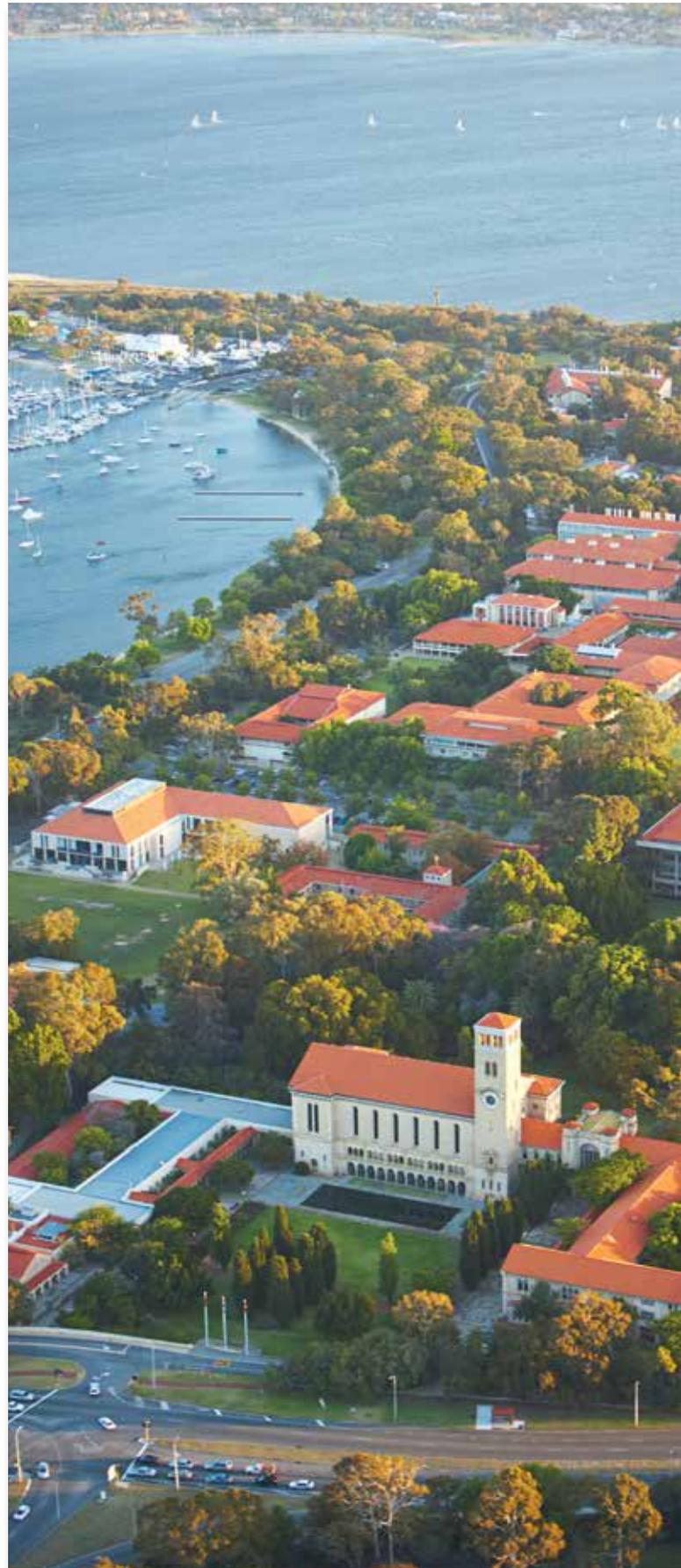
The University of Western Australia is a high-quality research-intensive university with a broad and balanced coverage of disciplines in the arts, science and major professions. It is Western Australia's oldest university, established in 1911, and currently has a student population of approximately 24,500.

The University has an international reputation for excellence and enterprise and is regarded as one of Australia's top research institutions. Its strong research culture sees it attract high levels of competitive research funding. At the same time the University places great emphasis on high quality teaching and learning, and is committed to the development of innovative and responsive programs. It has focused on the teaching-research nexus, so that teaching and learning take place in an atmosphere of research scholarship.

The University's high quality teaching and research ensure it remains the university of preference for Western Australia's highest achieving school leavers, as well as attracting high-calibre undergraduate and postgraduate students from around the nation and overseas. The quality of the student population is high by national and international standards.

The University is recognised nationally and internationally for the quality of its academic staff and has strong strategic partnerships with industry, the professions and government. It operates in collaboration with other research-intensive universities in Australia and around the world. Graduates of UWA are highly competitive internationally, achieving success in higher study and in wide-ranging fields of employment. Many graduates have risen to prominence in leadership roles in industry, government, education and the professions, in Australia and internationally.

uwa.edu.au



Microbiology

As a key unit within the School of Biomedical Sciences, the Discipline of Microbiology is a small but expanding group of dedicated academics, in teaching and research.

The School's academics have well-established, close working relationships with hospital-based pathologists and scientists in a range of organisations and research institutions in Western Australia, across the country and throughout the globe. Today, the School has staff and students at QEII Medical Centre, Royal Perth Hospital and the new Fiona Stanley Hospital.

The School of Biomedical Sciences is co-located with medical, health and research organisations including PathWest (www.pathwest.com.au), the Harry Perkins Institute for Medical Research (www.perkins.org.au), and the Lion's Eye Institute (www.lei.org.au). In addition the Telethon Kid's Institute including the Wesfarmer's Center for Vaccines and Infectious Disease will move to this site in 2017 and occupy part of the new Children's hospital. This location provides all members of the School with outstanding resources including access to state-of-the-art suites at the UWA Center for Microscopy, Characterisation and Analysis (www.cmca.uwa.edu.au) including microscopy (super-resolution and confocal microscope suites), flow cytometry, and NIF bioimaging facilities.

Teaching

The School hosts the Bachelor of Biomedical Science which includes the majors of Microbiology and Immunology, Pathology and Laboratory Medicine and Genetics. The School also includes Pharmacology.

The Microbiology Discipline teaches within the medical course at UWA, the discipline major for Microbiology and Immunology and the Master and Graduate Diploma in Infectious Diseases courses. The School also incorporates the Major in Pathology and Laboratory Medicine and Masters of Clinical Pathology. Teaching modules with Dentistry and Pharmacy are also undertaken.

Teaching is focused on providing science and medical students with learning opportunities to establish a base of core knowledge which will serve their future career needs, whether this is in the field of basic scientific research into the cause and treatment of disease, in employment in medical, environmental or industrial microbiology, or in the practice of medicine.

Our courses focus heavily upon developing critical thinking as well as practical laboratory skills to provide an advanced understanding of the breadth of the field of microbiology. We emphasise topics in infection and immunity, while also teaching students the basic biology, physiology, genetics and molecular biology of micro-organisms.

There is also an active, vibrant PhD programme.

Research

The School of Biomedical Sciences hosts the Marshall Centre for Infectious Diseases Research and Training which was established upon the award of the Nobel Prize to Professors Barry Marshall and Robin Warren in 2005. The Centre contains state-of-the-art certified PC2 laboratories and contains multiple research groups. It currently hosts two NHMRC early career fellows, a LeSouef Research Fellow in tropical microbiology and a Marie Curie Fellow from the University of Gothenburg. The School also hosts the Lotterywest State Biomedical Facility Genomics (www.lsbfg.uwa.edu.au) which supports major platforms in high-throughput genomic sequencing and bioinformatics analysis for projects throughout Australia.

Staff undertaking research include both scientists and medical practitioners engaging in a wide range of basic and applied clinical research in fields such as infection and immunity, oncogenesis, transplantation immunology and immunogenetics, medical microbiology, tropical microbiology, environmental microbiology, virology, parasitology, epidemiology, and bacterial pathogenesis.

Community Service

Staff in the School of Biomedical Sciences are active on advisory committees to State and Commonwealth governments, particularly in areas of medical education, primary care research, cancer and chronic disease management. Staff are also closely involved with professional bodies such as the Australian Medical Association, Royal Australian College of General Practitioners, WA Primary Health Alliance, the Australian Association of Academic Primary Care, Postgraduate Medical Council of WA, Various government expert reference groups and non-government organisations such as the Primary Health Care Research Information Service and The Cancer Council.



Faculty of Health and Medical Sciences

The Faculty of Health and Medical Sciences is a large interdisciplinary health faculty which includes the Schools of Medicine, Dentistry, Allied Health, Biomedical Sciences and Population and Global Health. The Faculty boasts some of the University of Western Australia's most outstanding researchers. Our most notable being Professor Barry Marshall and Emeritus Professor Robin Warren who were awarded the 2005 Nobel Prize in Physiology or Medicine for their discovery of the bacterium *Helicobacter* and its role in gastritis and peptic ulcer disease. This marvellous achievement, together with consistently being ranked in the top 75 in the world, highlight our international reputation and high global standing for research excellence. Our high quality research is undertaken within each of the Schools as well as Centres which it hosts.

The Faculty has a strong record of quality education teaches a comprehensive programme of undergraduate courses in the biomedical sciences as well as postgraduate coursework programmes and research degrees. Our professional entry-to-practice degrees include programmes in medicine, dentistry, pharmacy, podiatric medicine and social work. We also offer an extensive range of postgraduate coursework and research courses in public health, clinical research, dental science, health professional education, clinical pathology, infectious diseases, rural and remote medicine and neonatal and child health.

Our academics and students have access to high quality and modern teaching facilities. Our Medical and Dental Library is currently undergoing a significant refurbishment to generate a technology-rich educational hub to meet the changing working styles of students.

Our students and staff will have access to a modern, vibrant and dynamic learning space that features collaborative and individual learning spaces, an e-learning suite, comfortable work spaces and quiet rooms.

The Faculty comprises in excess of 400 full-time equivalent academic staff, including 80 Level E Professorial appointments, and approximately 1,000 adjunct and clinical staff assisting with teaching and research. There is an equivalent full-time student load of 2,675 enrolled in a range of undergraduate majors and graduate degree programs.

The Faculty of Health and Medical Sciences is actively recruiting to a number of senior Level E professorial positions. This is an exciting time to join our staff and enhance research and teaching excellence in Western Australia

Role, key responsibilities, selection criteria and conditions of employment

Role statement

The Professor of Microbiology is expected to provide a visionary perspective to the discipline, academic leadership in teaching, research and policy development, in Microbiology. The Professor of Microbiology is responsible to the Head of the School of Biomedical Sciences.



Key responsibilities

Leadership and Teaching

- Provide active leadership in teaching within the discipline, in the maintenance of academic standards and the development of educational policy and curriculum;
- Make a significant contribution to all levels of undergraduate and postgraduate teaching.

Research

- Provide academic leadership in research (which will include publication in refereed journals, books and other scholarly works, invitations to present keynote addresses at international meetings and other recognition such as awards and prizes);
- Foster research groups and individuals who wish to conduct research;
- Initiate and conduct scholarly research;
- Actively seek and attract research funding;
- Link research to teaching and policy development;
- Supervise postgraduate research including PhD, Masters and Honours students.
- Subdisciplines of virology and immunology, as of particular interest, however applications with expertise in any field of microbiology will be accepted.

Service

- Liaise and effectively communicate with relevant sections of the profession, government and industry bodies as well as the wider community;
- Provide leadership in the development of academic and teaching strengths within the School, University and broader discipline;
- Effectively represent and advocate for the discipline with the School, the University and the community.

General

- Work within the legislative requirements of the University and support the principles of equity and diversity;
- Ensure relevant occupational safety and health practices and standards are implemented and maintained;
- Other duties as directed.



Selection criteria

Qualifications

- A higher academic degree (PhD) in Microbiology or related discipline.

Leadership and Teaching

- Demonstrated considerable experience in Microbiology or relevant subdiscipline
- Evidence of a strong personal contribution and commitment to high quality teaching at all levels;
- Experience in the development of educational policy and curriculum within the discipline;
- Capacity to provide academic leadership and maintain high academic standards in all facets of academic life;
- Demonstrated ability to represent the discipline within the University and more broadly;
- Exemplary interpersonal and organisational skills and the ability to communicate effectively at all levels.

Research and Scholarship

- Academic leadership and personal commitment to scholarly research;
- Evidence of quality research output and communication of that output to others;
- Ability to attract research funding;
- Ability to foster research groups and individuals, including guiding general practitioners who wish to conduct research;
- Experience in supervision of postgraduate research students;
- Experience in the development of research policy and the ability to link research to teaching and policy direction.

Immediate challenges facing the Professor of Microbiology over the next 12-18 months

- Contribute to the leadership and management of the School, ensuring the development of a positive academic working environment, aligned to the priorities of both the University and Faculty;
- Develop and foster research activity across the Microbiology discipline group, the School and its associated sites;
- Engage and mentor colleagues at all levels in research and teaching activity, resulting in an enthusiastic, collaborative and engaged culture;
- Develop appropriate new research groups. Expected outputs will include increased research performance and capability, broader research income, growing higher degree research student numbers, demonstrated academic and/or clinical collaboration, and multi-disciplinary interaction;
- Support colleagues through the establishment and implementation of a new MD curriculum, the Microbiology and Immunology major and associated New Courses;
- Promote internally and externally the work of the Microbiology discipline, and continue to develop partnerships and relationships with relevant stakeholders across the University, its clinical partners, and elsewhere.

Conditions of employment

The appointment will be tenurable and is subject to annual performance reviews. An attractive and flexibly constructed remuneration package will be negotiated and will include:

- Professorial salary;
- Employer contribution to superannuation of 17%
- Recreation leave of 20 working days per annum;
- Long Service Leave;
- Eligibility for sabbatical leave;
- Relocation assistance including airfares for the appointee and dependants.



Western Australia and Perth

The resource-rich State of Western Australia is the economic powerhouse of Australia. Western Australia is the principal Australian supplier of natural resources and energy to international partners, including China, India, Japan, South Korea and much of South-East Asia. Western Australia's diverse inventory of minerals and energy, as well as its agricultural and fisheries resources, account for 25 per cent of the nation's exports and place the State at the heart of Australian economic growth and transformation.

Western Australia and its capital Perth occupy the same time zone as 60 per cent of the world's population and the nations that promise the greatest economic growth of the 21st century. Western Australia is also Australia's largest state, covering some 2.5 million square kilometres and 12,500 kilometres of coastline, including some of the most ancient landscapes in the world. The State's population is matching the rapid growth of the economy and is over two million.

Perth is a cosmopolitan city, with wide ethnic and cultural diversity. The city centre is on the Swan River 12 kilometres from the Indian Ocean port of Fremantle.

The city enjoys a Mediterranean climate, with more hours of sunshine than any other capital city in Australia. Summers are hot and dry and the winters mild and wet. Perth's world-famous beaches and rivers, extensive parklands and variety of restaurants and cafes provide a superb living environment.

For more information see: tourism.wa.gov.au

Perth is well served with art galleries, theatres and cinemas and is home to the WA Symphony Orchestra, the WA Ballet and the WA Opera. The cultural highlight of the year is the Perth International Arts Festival, founded and owned by The University of Western Australia: uwa.edu.au/perthfestival

Western Australia's five universities and wide variety of public and private schools, vocational institutions and English language colleges provide quality assured education with flexible study pathways and state-of-the-art facilities. Perth continues to build its reputation as a destination for international students seeking a quality education: studyp Perth.com.au





Applications

Thank you for your interest. If you wish to proceed, the following information will assist you with your application. Refer also to the selection criteria on page 7.

Your application must include the following:

- A covering letter or statement that clearly demonstrates the extent to which you satisfy each of the selection criteria and the requirements of the position;
- Evidence of the impact of your research beyond academia, such as through contributions made to economy, society, culture, public policy or services, health, the environment, or quality of life;
- A curriculum vitae providing personal details, qualifications, grants, graduate student supervision, publications and work history;
- The names and contact details, including email addresses, of three referees who may be contacted for a confidential report. Please note that your permission will be sought before referees are contacted.

The University of Western Australia provides visa sponsorship for international appointees.

Lodging your application

Applications must be submitted online at:
jobs.uwa.edu.au/executive

Closing date

The closing date for applications is **Friday 12 May 2017**.

Enquiries and further information

If you wish to discuss the position in confidence, please contact:

Professor Wendy Erber
Pro Vice-Chancellor and Executive Dean
Faculty of Health and Medical Sciences
Tel: +61 8 6457 2325
Email: wendy.erber@uwa.edu.au

or

Professor Catherine Cole
Head, School of Biomedical Sciences
Faculty of Health and Medical Sciences
Tel: +61 8 9340 8238
Email: catherine.cole@health.wa.gov.au
Email: catherine.cole@uwa.edu.au



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