



Job title	Assistant Professor in Microbial Biotechnology	Job family and level	Research and Teaching Level 5
School/ Department	Microbiology, Brewing & Biotechnology Biosciences	Location	Sutton Bonington Campus

Purpose of role

The role is to advance research and support teaching in Immunology within the School of Biosciences. The division of Microbiology, Brewing and Biotechnology (MBB) is the focus for teaching of UG and PGT courses in Microbiology and Biotechnology that are showing strong year on year increases in recruitment. This role is sited within MBB, and the roleholder is expected to develop externally funded research and deliver modular teaching within the School programs including Microbiology, Nutrition, Animal and Plant Sciences.

	Main responsibilities	% time per year
1	<p>Research:</p> <ul style="list-style-type: none"> To undertake original research in the broad area of microbial biotechnology. To publish research in high ranking peer-reviewed journals. To develop and manage a sustained portfolio of externally funded research, including industrial funding as appropriate. To produce research suitable for dissemination to conferences, workshops and meetings (both national and international). To forge collaborations within and outside the University as appropriate. To encourage and work with other members of the Division/School/University on joint research activities, including research seminars. To undertake research student supervision as required. To contribute fully to School research activities, including the provision of information required for the REF or similar activities. 	45%
2	<p>Teaching</p> <ul style="list-style-type: none"> To prepare and deliver lectures, seminars/tutorials and practicals at undergraduate and postgraduate levels in the areas of immune function, host-pathogen interactions and antibody applications in biotechnology. To supervise undergraduate and postgraduate project students in the areas of biotechnology and microbiology. 	45%

	<ul style="list-style-type: none"> • To participate in assessments for undergraduate and higher degrees and diplomas of the University. • To contribute to course and curriculum development and design, including course management (where appropriate). • To act as a personal tutor for both undergraduate and postgraduate students as required. • To support and comply with the University and School teaching quality assurance standards and procedures, including the provision of such information as may be required for quality assurance and TEF. 	
3	<p>Administration:</p> <ul style="list-style-type: none"> • To undertake administrative work/management functions and generally to assist with efficient and effective completion of the work of the School and the University. This may include participation in relevant committees and working groups. • To contribute to open days/visit days for recruitment of Biotechnology and Microbiology degree courses. • To take part in and contribute to staff development activities consistent with continuous professional development. • To ensure compliance with health and safety requirements in all aspects of work. • Any other duties appropriate to the grade and role of the person appointed 	10%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> • Proven ability to produce high quality research outputs in an area of microbial biotechnology • Proven ability to teach at undergraduate and postgraduate levels in relevant subjects. • Ability to carry out an independent research programme. • Excellent communication and presentation skills. 	<p>Research experience/interest in gut immunity and/or host microbiomes.</p>
Knowledge and experience	<ul style="list-style-type: none"> • Evidence of high quality publications in academic journals in areas relevant to the School of Biosciences - as set out in Purpose of Role. 	<ul style="list-style-type: none"> • Record of attracting research funding and/or leading research projects. • Contribution to the delivery and/or administration of modular teaching at HE level. • Participation in successful supervision of higher degree students.
Qualifications, certification and training (relevant to role)	<p>PhD in a Life Science.</p>	<p>Postgraduate qualification in teaching (or equivalent), or evidence of working towards</p>
Statutory/legal	<ul style="list-style-type: none"> • Ability to work to deadlines and prioritise tasks. • Ability to develop their own research area and demonstrate flexibility to collaborate with colleagues. • Ability to work within teams. 	



The University strongly endorses Athena SWAN principles, with commitment from all levels of the organisation in furthering women's careers. It is our mission to ensure equal opportunity, best working practices and fair policies for all.

Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Understands that it is essential to provide a structure that people can thrive in. Knows how to communicate with people to create a healthy working environment and get the best out of people.
- Taking ownership** Communicates vision clearly, providing direction and focus. Knows how to create a productive environment where people are inspired and can work cross-departmentally in partnership.
- Forward thinking** Has the ambition to be a pioneer in own area, anticipating the future change, needs and challenges. Knows how to innovate within their work context and champions others to be inspired to be part of this ambition
- Professional pride** Keeps up to date on latest thinking, trends and work practices. Supports team to be thought leaders; willing to challenge if obstacles get in the way.
- Always inclusive** Establishes far reaching partnerships, well beyond own area across a broad range of networks. Understand role to pay due regard to the needs of the whole community.

Key relationships with others



