

Job Description

Please complete all accessible boxes and refer to the guidance on writing Job Descriptions

Position Details		
Faculty/Professional Support Service	Science and Engineering	
School/Department	Department of Life Sciences	
Division/Section/Unit		
Job Title	Research Associate in Microbiology	
Vacancy No	4418	
Grade	Grade 7	
Hours of Work	FT (35 hrs per week)	
Contract Duration (Perm/Fixed Term)	Fixed Term – 24 months	
Reports To (Job Title)	Deputy Head of Department	
Responsible For (Job Title)	N/A	

Principal Accountabilities
<p>The main purpose of this role is to undertake pilot projects in the field of molecular microbiology and microbiome research by preparing, conducting, recording and analysing the outcome of experiments.</p> <p>Work closely with senior research staff to analyse and disseminate research findings through relevant journals, conferences, and seminars, in order to further the institution's standing in the Higher Education and research community and contribute to the development of new areas in the field of platelet biology and thrombosis.</p> <p>Take responsibility for the management of discreet research projects as directed by the project co-ordinator.</p>

Key Tasks
<p>Research Activities</p> <p>The Research Associate (RA) will:</p>

Complete a series of 4 collaborative microbiome-related pilot projects that are being coordinated between the Northern Care Alliance (NCA) & Manchester Metropolitan University over a 24 month period.

Work closely with a NCA-funded clinical research fellow (CRF) on the processing of patient sample collections for experimental analysis and isolation of clinically relevant microorganisms derived from the pilot projects.

Perform a range of experimental techniques and associated data analysis in the area of molecular microbiology, microbiome research, pathogen genomics, microbial ecology and evolution, and host immunology.

Plan and prioritise own day to day work and resources to achieve agreed research objectives, leading the work of small teams of research assistants and/or research students as required.

Undertake quality research and detailed analysis, and present findings to appropriate internal and external groups, such as research forums, conferences, or seminars, as required.

Write up results of own research and prepare for presentation to research team and relevant stakeholders.

Use initiative and judgement to develop appropriate techniques in order to facilitate research work and resolve problems affecting the achievement of objectives and deadlines.

Liaison and Networking

Contribute to the dissemination of research findings through journals, conferences and seminars, in order to further the institution's standing in the HE and research community.

Participate in the development of internal and external partnerships and networks in order to disseminate information, share best practice, generate income, establish opportunities for collaborative work, and to enhance the reputation of the University.

Work with partners and external agencies on collaborative projects that benefit both the department and the Faculty.

Teaching Support

Supervise the work/projects of taught postgraduate and/or research students as required and provide training on techniques appropriate to the role.

Contribute to teaching support via demonstration of practical methods or operation equipment to undergraduate, masters and/or research students as appropriate.

Service Provision

Keep relevant stakeholders updated on progress, and be responsible for exploring their needs, and acting on feedback, in order to ensure that research delivers against their requirements.

Collaborate with senior academic staff to organise, manage and carry out appropriate research.

Respond to enquiries and requests for information from potential students, academic staff from other HE institutions, and relevant stakeholders, when required.

Proactively and effectively engage with quality assurance procedures to ensure that University standards are upheld.

Teamworking

Actively participate as a member of the research team, providing mutual support to colleagues to achieve successful completion of projects.

Attend Faculty, Department and Programme meetings/boards as appropriate and proactively contribute to decision making.

Introduce new starters to the area, giving training on basic skills and activities to assist their induction to the team.

Guide and support research assistants and other members of staff within the department in areas of expertise e.g. in undertaking research and writing up papers for publication.

Special Features

The RA may occasionally be required to work outside of normal working hours to perform timecourse experiments.

Miscellaneous

You have a legal duty, so far as is reasonably practicable, to ensure that you do not endanger yourself or anyone else by your acts or omissions. In addition you must cooperate with the University on health and safety matters and must not interfere or misuse anything provided for health, safety and welfare purposes.

You are responsible for applying the University's Equal Opportunities Policy in your own area of responsibility and in your general conduct.

You have a responsibility to promote high levels of customer care within your own areas of work.

You are expected to co-operate with the PDR process, engaging in the setting of objectives in order to assist in the monitoring of performance and the development of the individual.

Such other relevant duties commensurate with the grade of the post as may be assigned by the Manager in agreement with you. Such agreement should not be unreasonably withheld.

You may be required to undertake a specific Health & Safety role, commensurate with your grade, to support the University in meeting its statutory Health & Safety obligations. This could include acting as a DSE Assessor,

First Aider, Fire Marshall or Departmental Safety Co-ordinator. The allocation of such roles will be subject to the provision of appropriate training and assessment of competence.

You may, with reasonable notice, be required to work at any of the Manchester Metropolitan University sites.

You have the responsibility to engage with the University's commitment to Environmental Sustainability in order to reduce its waste, energy consumption and carbon footprint.

You have the responsibility to engage with the University's commitment to delivering value for money services that optimise the use of resources and therefore should consider this when undertaking all duties and aspects of your role.

Review

This is a description of the job at the time of issue. It is the University's practice periodically to review and update job descriptions to ensure that they accurately reflect the current nature of the job and requirements of the University and to incorporate reasonable changes where required, in consultation with the job holder.

Person Specification

In order to be shortlisted you must demonstrate that you meet all the essential criteria and as many of the desirable criteria as possible. Where we have a large number of applications that meet all of the essential criteria, we will then use the desirable criteria to produce the shortlist.



All disabled candidates who meet the minimum essential criteria will be included on the shortlist.

Selection Criteria					
Attributes		Item	Relevant Criteria	Identification Method	Rank
1	Skills & Abilities	1.1	Ability to synthesise complex data from different sources and communicate findings orally and via written reports and articles for a range of diverse audiences.	A/I	E
		1.2	Ability to use initiative, creativity and judgement to develop appropriate approaches for the progression and completion of research projects.	A/I	E
2	General & Specialist Knowledge	2.1	Proficiency in the application of relevant equipment, software and techniques in molecular microbiology and microbiome research.	A/I/P	E
		2.2	Possess sufficient breadth or depth of microbiology knowledge to work within established research projects.	A/I	E
		2.3	Demonstratable specialist knowledge of working on lung microbiota research	A/I/P	E
3	Education & Training	3.1	Hold, or be nearing completion of a doctoral level qualification; evidence of continuous professional development.	A/C	E

4	Relevant Experience	4.1	Research experience in the field of Molecular Microbiology and Microbiome Research, which should include: <ul style="list-style-type: none"> Demonstratable experience of working on lung microbiota research making a demonstrable, independent contribution to projects preparing written reports of results 	A/I/P	E
		4.2	Additional research experience, including: <ul style="list-style-type: none"> Preparing manuscripts for publication building relationships, networks and partnerships with internal and external contacts presenting at national and/or international research meetings contribution to funding proposal preparations or applications to external bodies supervising student work and providing appropriate support and feedback 	A/I	D
5	Special Requirements	5.1	<ul style="list-style-type: none"> The ability to travel if required. 	A	E
Date of Revision		Dec 2021			
Key		Identification Method	A	Application Form	
			I	Interview	
			T	Test	
			C	Copy of Certificates	
			P	Presentation	
			G	Group Assessment	
		Rank	E	Essential	
			D	Desirable	