

THE UNIVERSITY OF MANCHESTER

PARTICULARS OF APPOINTMENT

FACULTY OF BIOLOGY, MEDICINE & HEALTH

SCHOOL OF MEDICAL SCIENCES

DIVISION OF CANCER SCIENCES

RESEARCH ASSOCIATE - DIVISION OF CANCER SCIENCES

VACANCY REF: BMH-025315

Salary:	Grade 6 £36,024 to £44,263 per annum, depending on relevant experience
Hours:	Full Time (1 FTE)
Duration:	Fixed Term From 1 st June 2024 for Up To 36 Months
Location:	CRUK Oglesby Cancer Research Building, 555 Wilmslow Road, M20 4GJ

Enquiries about the vacancy, shortlisting and interviews:

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Introduction to the University of Manchester and the Faculty of Biology, Medicine and Health

The University of Manchester is the largest single-site university in the UK with around 38,000 students and more than 11,000 staff. We aim to become one of the top 25 research universities in the world and are committed to delivering an outstanding teaching and learning experience; contributing to the social and economic success of local, national and international communities; producing the highest calibre graduates; and developing our staff to be amongst the very best of their peers.

To achieve our ambitious goals, we aim to attract and retain the very best people to work across a range of academic disciplines and support functions.

The Faculty of Biology, Medicine and Health

The integrated structure of our faculty enables a truly translational approach to biology, medicine and health - from pure discovery science through to clinical application and patient care. It also encourages collaborative working, enabling staff to deliver innovative, world-leading research that has a very real and positive impact on people's lives, as well as high-quality education and training to over 11,000 undergraduate and postgraduate students.

Our Strategic Partnerships

The faculty has established a number of key strategic partnerships that underpin its ambitions to develop ground-breaking research.

Working alongside six local NHS Trusts, the Faculty is a key member of the <https://mft.nhs.uk/withington/research/manchester-academic-health-science-centre-mahsc/> - a federation of equal partners that unites leading healthcare providers with world-class academics and researchers. It aims to be a global centre for the delivery of applied health research and education and provide leadership for our local and regional health systems.

We also play a leading role in <https://healthinnovationmanchester.com/>, which was launched in September 2015, as part of the UK Government's decision to devolve health and social care responsibilities to Greater Manchester. HInM offers a unique opportunity to bring together health and social care, academic and life science related business resources across the region to deliver an innovative health ecosystem that can help accelerate innovation into our local health and social care systems, enhance our global scientific standing and act as a magnet for inward investment.

Key partnerships in the charitable sector include Cancer Research UK; Diabetes UK; and the Wellcome Trust; and the faculty also has research and funding links to a number of commercial organisations including Unilever, AstraZeneca, GlaxoSmithKline and Boots, who help us to bring new drugs and products to the market.

Working for the University of Manchester

The University of Manchester strives to make our community a welcoming, caring and enthusiastic one, fuelling ambition with opportunities and support to help us all achieve our personal and professional goals.

Our diverse job opportunities include an attractive <https://www.staffnet.manchester.ac.uk/people-and-od/benefit/> with family-friendly policies that provide for flexible working. We care deeply about career and personal development, offering a structured induction programme for new staff, an annual performance and development review, staff training for all career stages and mentoring opportunities to support your career development.

We have a genuine commitment to <http://www.manchester.ac.uk/connect/jobs/equality-diversity/awards/> for our staff and students, and are proud to employ a workforce that reflects the diverse community we serve.

As a global institution, situated at the heart of a lively, <http://www.manchester.ac.uk/study/experience/student-life/city/>, we welcome applicants of all nationalities. To help international job applicants plan for life in the UK, we have put together some useful <http://www.staffnet.manchester.ac.uk/employment/joining-the-university/international-staff/> travel to the UK, accommodation and a number of other practical considerations.

BACKGROUND

This is an exciting chance to join an international research collaboration (NEMO: Novel Early Markers for Ovarian cancer), funded by the international CRUK Alliance for Cancer Early Detection (ACED), which is developing new ways to detect and ultimately prevent ovarian cancer. Ovarian cancer is a complex disease characterised by rampant genome instability. This highly interdisciplinary

collaboration includes three UK (Manchester, Cambridge and UCL) and two US (Stanford and OHSU) Centres and will investigate novel ways of identifying biomarkers to detect ovarian cancer at a pre-malignant stage.

The post will entice analysing different types of samples obtained from patients undergoing surgery of their reproductive organs, by a wide range of cutting-edge technology platforms, including, but not limited to, state-of-the-art spatial and quantitative proteomics.

The job is targeted at highly motivated individuals who are looking for an exciting project to make new discoveries in the above research areas. The successful candidate will join a dedicated team of scientists and clinicians based within the Division of Cancer Sciences at the University of Manchester as part of the wider NEMO Consortium.

Dr Schmidt's group is located within state-of-the-arts laboratories at the Oglesby Cancer Research Building (OCRB) as part of the Manchester Cancer Research Centre (MCRC).

To read more about Dr Schmidt's past and current research as well as some of the relevant research environments please visit the following websites:

<https://www.research.manchester.ac.uk/portal/christine.schmidt.html>

<https://www.mcrc.manchester.ac.uk/>

<https://research.manchester.ac.uk/en/persons/richard.edmondson>

Overall Purpose of the Job

To undertake innovative research in order to realise the objectives and development of the research program outlined above.

Specifically, we seek a postdoctoral research associate to join the NEMO Consortium on an exciting CRUK-ACED-funded research programme. While mainly based at the Oglesby Cancer Research Building (OCRB), the programme is highly integrated and interdisciplinary. As such, the successful candidate will directly interact and communicate with the science and clinical collaborators of the five ACED Centres forming the NEMO Consortium.

Key Responsibilities, Accountabilities or Duties

The range of duties will include:

- Be involved in the assessment of student knowledge and supervision of projects.
- Assist in the development of student research skills.
- Develop research objectives and proposals for own or joint research, with the assistance of a mentor if required.
- Conduct individual and collaborative research projects.
- Write up research work for publication.
- Continually update knowledge and understanding in field or specialism.
- Translate knowledge of advances in the subject area into research activity.
- Deal with routine communication using a range of media.
- Communicate complex information, orally, in writing and electronically.
- Prepare proposals and applications to external bodies, e.g. for funding and contractual purposes.
- Communicate material of a specialist or highly technical nature.
- Liaise with colleagues and students.
- Build internal contacts and participate in internal networks for the exchange of information and to form relationships for future collaboration.
- Join external networks to share information and identify potential sources of funds.

- Manage own research and administrative activities, with guidance if required.
- Work with colleagues on joint projects, as required
- Collaborate with academic colleagues on areas of shared research interest.
- Attend and contribute to relevant meetings.
- Use new research techniques and methods.
- Use initiative and creativity to identify areas for research, develop new research methods and extend the research portfolio.
- Use creativity to analyse and interpret research data and draw conclusions on the outcomes.
- Contribute to collaborative decision making with colleagues in areas of research.
- Use research resources, laboratories and workshops as appropriate.
- Plan and manage own research activity in collaboration with others.
- Balance with help the competing pressures of research and administrative demands and deadlines.
- Be aware of the risks in the work environment and their potential impact on their own work and that of others.

PERSON SPECIFICATION

Essential

Have, or be about to obtain, a relevant PhD (or equivalent)

- Specialist knowledge in the disciplines of genome stability and/or associated pathways in the context of the DNA damage response and ovarian cancer
- Experience in wet-lab research methods relevant to the research programme, as well as data analysis tools to work within established research programmes
- Excellent communication and interpersonal skills
- Excellent time management and organisational skills
- Ability to work independently and as part of a team
- Ability to liaise confidently and effectively with a range of individuals
- Flexible approach to dealing with research problems as they arise
- Willingness to learn and develop
- Ability to present in both written and oral publications
- Ability to meet deadlines
- Strong journal publication record.
- The ability to evaluate complex data
- Ability to contribute to broader management and administrative processes.
- Ability to assess and organise resources
- Understand equal opportunity issues as they may impact on areas of research content.