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- Job Reference Number:** MI/26/22
- Position:** Senior Scientific Officer
- Group/Department:** Myeloid Cancer Biology Group
- Salary:** £28,344 - £45,357 per annum (dependent upon experience)
- Duration:** 2-year fixed-term contract, in the first instance



CRUK MI FURTHER PARTICULARS



Cancer Research UK Manchester Institute is a Research Institute within The University of Manchester and is core funded by Cancer Research UK



MANCHESTER
1824

The University of Manchester



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PARTICULARS OF APPOINTMENT

Ref: MI/26/22

Job Title: Senior Scientific Officer

1. The Institute invites applications for the above post.
2. Salary will be within the range of £28,344 - £45,357 per annum, dependent upon experience.
3. Applications should be submitted via JobMarker, the online recruitment system by the closing date as stipulated in the advert.
4. For applicants who require assistance with their application please contact the HR Department for further information on:
Tel: +44 (0)161 306 9752/+44 (0)161 200 8870
Email: jobs@cruk.manchester.ac.uk
5. Informal enquiries can be made to Justin Loke via email justin.loke@cruk.manchester.ac.uk
6. Applicants are advised that if the Institute receives a high level of applications, we reserve the right to close the vacancy earlier than advertised.
7. The Institute will endeavour to contact shortlisted candidates promptly. However, there may be occasions where a high volume of applications are received, therefore an applicant's patience is appreciated.
8. As an equal opportunity employer, we welcome applicants from all sections of the community regardless of age, sex, gender (or gender identity), ethnicity, disability, nationality, religion or belief, sexual orientation, marital or transgender status. All appointments are made on merit.
9. As our Senior Scientific Officer, you will be a visible presence within the Institute, providing professional and timely services within your role.





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COPY OF THE ADVERTISEMENT

The Institute will actively foster a culture of inclusion and diversity and will seek to achieve true equality of opportunity for all members of its community.

Senior Scientific Officer - Myeloid Cancer Biology

- Starting salary in the range: £28,344 - £45,357 per annum (dependent upon experience)
- Job Ref: MI/26/22
- 2-year fixed-term contract (in the first instance, extension subject to further funding)

About the role:

We are currently looking for a Senior Scientific Officer (MI3) within Myeloid Cancer Biology Research group at the Cancer Research UK Manchester Institute (University of Manchester). The aim of this post is to support the group's research into myeloid malignancies (including AML and MDS) contributing to the development and running of patient-relevant experimental models aligned to the lab's genome-editing and disease-modelling strategy; and progressing projects through rigorous data generation, troubleshooting and clear communication of findings. The group uses genome-editing approaches across mouse platforms and primary patient samples/models to understand disease evolution and identify therapeutic vulnerabilities.

About you:

You should have a BSc (or equivalent) in Biological/Biomedical Sciences (or related subject) or equivalent relevant laboratory experience along with extensive practical research lab experience, including mammalian cell culture (ideally primary cells) and experience supporting murine/*in vivo* models. A current or previous holder of a Personal Licence under the Animals (Scientific Procedures) Act 1986 (PIL A-B) is desirable. You will bring excellent record-keeping and a rigorous approach to data integrity, strong problem-solving and troubleshooting skills, and the ability to contribute to experimental design and interpretation as appropriate.

Why choose Cancer Research UK Manchester Institute

The Cancer Research UK Manchester Institute (www.cruk.manchester.ac.uk), an Institute of The University of Manchester (www.manchester.ac.uk), is a world-leading centre for excellence in cancer research. The Institute is core funded by Cancer Research UK (www.cancerresearchuk.org), the largest independent cancer research organisation in the world. In spring 2023, the Institute moved into a £150 million



CANCER
RESEARCH
UK

Manchester
Institute

flagship purpose-built biomedical research centre directly attached to The Christie NHS Foundation Trust (www.christie.nhs.uk), in Withington, South Manchester.

We are partnered with The Christie NHS Foundation Trust (adjacent to The Paterson Building) one of the largest cancer treatment centres in Europe. These factors combine to provide an exceptional environment in which to pursue basic, translational and clinical research programmes.

Our aim is to understand the fundamental basis of cancer and apply that knowledge to developing new treatment strategies for cancer patients. Our advanced research programmes span a spectrum of cancer research, from the molecular and cellular basis of cancer through to drug discovery, translational research and clinical trials.

The Institute has access to outstanding laboratory facilities and exceptional core services, including next generation sequencing, microarrays, confocal microscopy, bioinformatics, histology and mass-spectrometry.

About the Myeloid Cancer Biology Research Group

Please visit our website to view information about Myeloid Cancer Biology Research Group: <https://www.cruk.manchester.ac.uk/research-group/myeloid-cancer-biology/>



How to apply?

To apply for this position please complete the online application via 'Apply Now'. Please ensure you detail the names of two referees and ensure you submit your application before the closing date specified.

Please note this vacancy will close for applications at 18:00 hours on the closing date specified.

Job Description

After the closing date this job description will be removed from our website. Should you wish to refer to this information at a later date, please ensure that you save a copy of this document.



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UK

Manchester
Institute

Disabilities and alternative formats

The University of Manchester is a disability confident Leader and is committed to supporting disabled people in recruitment, employment, and career development. We will make reasonable adjustments to enable applicants to compete to the best of their ability wherever it is reasonable to do so. Therefore, if you have any additional support needs throughout the recruitment process or require documentation in alternative formats, please do not hesitate to contact the HR Department, for further information, on:

Tel: +44 (0)161 306 9752 / +44 (0)161 200 8870

Email: jobs@cruk.manchester.ac.uk



The Disability Confident scheme, accredited by the Department for Work and Pensions (DWP), helps employers recruit, retain and train great people. Disability Confident organisations play a leading role in changing attitudes about, and increasing understanding of, disability. There are three levels of the scheme with Leader being the highest.



CANCER RESEARCH UK MANCHESTER INSTITUTE JOB DESCRIPTION

JOB DETAILS

Job Title: Senior Scientific Officer (SSO)

Grade: MI3

Department: Myeloid Cancer Biology

Division: Cancer Research UK Manchester Institute (CRUK MI)

ORGANISATIONAL ARRANGEMENTS

Accountable to: Group Leader Myeloid Cancer Biology group (Dr Justin Loke)

JOB PURPOSE

To carry out scientific and technical work supporting the ongoing research of the Myeloid Cancer Biology group. The post holder will be competent in the methodologies used within the laboratory in order to support delivery of high-quality, reproducible experimental outputs, and will contribute to the effective day-to-day running of the group as directed by the Group Leader.

BACKGROUND

The Loke group studies myeloid malignancies—particularly acute myeloid leukaemia (AML) and myelodysplastic syndromes (MDS)—and investigates how combinations of mutations drive malignant haematopoiesis and disease evolution. The group uses genome-editing and functional genomics approaches to build experimental models reflecting complex patient mutational landscapes, using mouse platforms and primary patient samples/models, with the aim of identifying mechanisms and therapeutic vulnerabilities.

DUTIES AND RESPONSIBILITIES



Guided by a range of protocols and procedures and after discussion with the Group Leader/Line Manager, the post holder will be competent in the methodologies used within the laboratory in order to:

Research and experimental support

- Support the work of the group by performing laboratory procedures accurately and reproducibly, following established methods and helping to optimise workflows where appropriate.
- Assist with the development and routine running of experimental models aligned to the lab's genome-editing and disease-modelling strategy.
- Support the work of the group by conducting exploratory/pilot experiments to test out new technologies or areas of investigation that may generate research projects (as appropriate to role/grade).
- Contribute to generating robust, well-documented datasets through careful experimental execution and appropriate controls.
- Make contributions to project progression through effective troubleshooting, communication of results, and implementing agreed improvements to protocols/workflows.

Laboratory operations, administration, and day-to-day running

- Contribute to the smooth day-to-day running of the group (purchasing, repairs, health-and-safety matters, etc.), dealing promptly and efficiently with issues as they arise.
- Prepare reagents and buffers, manage inventories, and maintain a well-organised laboratory environment (stocks, logs, scheduling, routine equipment checks).
- Support maintenance of equipment and supplies, including arranging servicing and liaising with company representatives in consultation with the Group Leader when required.
- Support general laboratory administration as required to ensure efficient and compliant operations.

Quality, record-keeping, governance and compliance

- Ensure careful records are kept according to standard procedures for writing up experiments within the laboratory (paper/electronic as required), ensuring traceability and data integrity.



- Contribute to a strong culture of safety and good laboratory practice, supporting risk assessments and compliance with Institute policies.
- Maintain awareness of requirements relevant to the work (e.g., documentation/governance for human samples where applicable).
- Promote a safe working environment in the laboratory and comply with Health & Safety requirements.

Communication, teamworking, and contribution to lab culture

- Present work at and attend weekly laboratory meetings and present work as directed by the Group Leader.
- Prioritise own workload and keep the Group Leader/Line Manager always informed of developments in the progress of projects.
- Communicate effectively with colleagues; contribute to day-to-day coordination and a positive lab culture.
- Share knowledge of techniques and procedures for the benefit of others; support training of new team members on core lab processes where appropriate.
- Work under the direction of colleagues when necessary to acquire skills already established within the Institute.

Additional relevant skills required for this group / project

- Support experimental work relevant to AML/MDS disease biology, including handling and processing of cellular samples and maintaining accurate sample documentation.
- Contribute to workflows supporting genome engineering / CRISPR-based approaches and/or functional genomics, as used by the group to generate patient-relevant models.
- Where applicable, support work spanning mouse platforms and primary patient samples/models, liaising with relevant Institute support as required.

Other

- Undertake any other duties, as requested by the Group Leader, consistent with the grade and scope of the role.

STANDARDS OF PERFORMANCE

- ◆ Work efficiently, cost-effectively and in a flexible manner.



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- ◆ To meet objectives within pre-determined timescales.
 - ◆ Effective communication to be maintained with staff at all levels.
 - ◆ Strict adherence to protocols and Institute policies.
 - ◆ To comply with Health & Safety requirements, including having an awareness of personal responsibilities to maintain a safe working environment.
 - ◆ To contribute to an environment that is conducive to positive mental health and wellbeing.
 - ◆ To contribute to the University's agenda for social responsibility, including sustainability.
 - ◆ To maintain confidentiality of information in line with data protection requirements and University.
 - ◆ Familiarise themselves with the University's Equality and Diversity policies and to actively support these wherever possible.
 - ◆ Be a team player.
 - ◆ To strive to accomplish high quality of work.
 - ◆ To complete a security screening as and when required.
 - ◆ The post holder may be offered Hepatitis B immunisation / vaccination programme as applicable.
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PERSON SPECIFICATION

The person specification should set out the qualifications, experience, skills, knowledge, personal attributes, interests, other requirements which the post holder requires to perform the job to a satisfactory level

Job Title: Senior Scientific Officer (M13)

	ESSENTIAL The qualities without which a post holder could not be appointed	DESIRABLE Extra qualities which can be used to choose between candidates who meet all the essential criteria	METHOD OF ASSESSMENT
QUALIFICATIONS	<ul style="list-style-type: none"> BSc (or equivalent) in Biological/Biomedical Sciences or related subject or equivalent relevant laboratory experience 	<ul style="list-style-type: none"> Health and Safety qualifications/training. Current or previous holder of a Personal Licence under the Animals (Scientific Procedures) Act 1986 (PIL A-B) 	Application form and Presentation of certificate
EXPERIENCE	<ul style="list-style-type: none"> Extensive practical experience in a research laboratory environment, with strong attention to detail and ability to follow SOPs. Strong organisational skills including record-keeping, reagent preparation, stock management and planning. Experience with mammalian cell culture (including primary cells) and aseptic technique. Experience working with murine experiments / in vivo models. 	<ul style="list-style-type: none"> Experience with flow cytometry, ELISA, or other quantitative cellular/molecular assays. Interest in (or exposure to) genome engineering / CRISPR-based workflows. Experience working with human samples in a regulated environment and awareness of sample documentation or governance. Experience of working in cancer biology research 	Application form, references and interview
SKILLS	<ul style="list-style-type: none"> Accurate comprehensive record-keeping; attention to detail. Excellent communication skills, written and verbal; ability to work effectively as part of a team. 	<ul style="list-style-type: none"> Problem-solving capabilities and confidence troubleshooting experimental workflows. 	Application form, references, and interview



<p>SKILLS contd...</p>	<ul style="list-style-type: none"> • Effective organisational skills and good multitasking ability; ability to prioritise workload and meet deadlines. • Competence in core laboratory procedures relevant to the research area, with willingness to learn new experimental techniques. • Computer literate; familiarity with MS Office package. • Problem solving capabilities • Creative thought regarding key scientific issues • Ability to work under minimal supervision • Ability to contribute to experimental design and interpretation of results 		<p>Application form, references and interview</p>
<p>KNOWLEDGE</p>	<ul style="list-style-type: none"> • Working knowledge of "Health and Safety at Work" requirements and safe laboratory practice. • General knowledge of cancer and/or knowledge in the field of biological sciences. 	<ul style="list-style-type: none"> • Awareness of governance requirements relevant to the lab (e.g., human sample handling documentation where applicable). 	<p>Application form and interview</p>
<p>OTHER</p>	<ul style="list-style-type: none"> • Self-motivated, meticulous, interactive, organised; ability to work to strict deadlines. • Ability to work well within a team framework as well as on an individual project. • Technically focused; willingness to learn new experimental techniques and implement improved approaches. • Commitment to equality, 	<ul style="list-style-type: none"> • Ability to demonstrate creativity and innovation in approach to practical laboratory challenges. 	<p>Application form, Interview and References</p>



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OTHER contd...	fairness and integrity; willing to work across organisational boundaries; open and responsive to change and innovation.		Application form, Interview and References
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THE CITY OF MANCHESTER AND THE REGION

Manchester is one of the great European cities and the Cancer Research UK Manchester Institute is located a short distance from the city centre and is serviced by regular public transport to the city centre. The city's architecture represents one of the high points of Victorian achievement. The modern city is a major centre of banking, commerce and manufacturing.



It is consistently ranked as the best liveable city in the UK by the Economist Intelligence Unit. In 2021, Manchester was ranked in the top 3 of the TimeOut World's Best Cities list with the comment, "the friendliest city with the best community spirit and top-notch nightlife including its Gay Village and Northern Quarter in the heart of the city." It has a highly cosmopolitan atmosphere, and its cultural life is internationally renowned.

Manchester offers extensive provision for research. Library facilities include the John Rylands University Library (the major library in the North West and the third largest in the country) and the Manchester Central Reference Library.



Housing is varied, plentiful and the price ranges can start moderately priced and are as varied as the requirements. Schooling ranges from world-famous private schools to excellent sixth-form colleges and comprehensives.

Manchester is well served by a major international airport, with direct scheduled flights to many destinations in Europe as well as North America and Asia. Some of the most beautiful countryside in Europe is just short of an hour's drive from the Institute in the Peak District National Park, while the Lake District and Snowdonia in Wales are also within easy reach.





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Manchester
Institute

Manchester Piccadilly railway station has been refurbished and is served by inter-city and other train services – with a direct link to Manchester Airport. The network of Metrolink tram services offers an alternative mode of public transport from certain parts of the conurbation and includes connections near to the Institute.

There are three outstanding professional theatre companies, the halls of the Hallé and BBC Philharmonic orchestras, the Cornerhouse as well as other cinemas, and Europe's fastest-growing Chinatown.

Amongst the developments enriching the area's cultural life have been the opening of the Lowry Centre and Media City at Salford Quays; the opening of the Bridgewater Concert Hall; the refurbishment of the City Art Gallery; the opening of Urbis in the centre of Manchester and of the Imperial War Museum North, designed by Daniel Libeskind, in Trafford.



Trafford, specifically Old Trafford, is known internationally for sport, it is a venue for Test cricket and the home of Manchester United FC. The Commonwealth Games were held in Manchester in 2002 and were highly acclaimed. The Commonwealth Stadium became the home of Manchester City FC in 2003.





OUR BENEFITS PACKAGE

Facilities and General Discounts

We have a wide range of fantastic facilities for you including coffee shops, cafes, and restaurants in various buildings on Oxford Road, library, museum, art gallery, theatre (providing music and drama) and the world-famous radio telescope at Jodrell Bank. You can attend a varied programme of events at these, many of which are free to staff. Staff also have a plethora of discounts available to them on fitness, entertainment, restaurants, hotels, supermarkets, and online retailers.

Health and Fitness

We have a fantastic range of sports and fitness programmes across three of the best sports facilities in the city of Manchester. Each of our facilities provides something for everyone and are in convenient locations across Oxford Road, Fallowfield and all the way into the City Centre. Staff have a discounted membership to these facilities.

Wellbeing

The Institute is committed to supporting staff wellbeing and have a range of resources available. This includes a free 24/7 helpline through our Employee Assistance Programme which allows staff to talk in confidence to trained counsellors and advisers on areas like emotional, physical, and mental health.

The University's counselling service offers confidential help with any personal issues affecting work, self-esteem, relationships, sexuality, mental health and general well-being. It is accessible to all staff and is part of a wider network of help and support; and can advise on where else to seek help and make referrals to NHS mental health services.

The University's Occupational Health service provides confidential services to protect the health of staff and ensures that all health issues are effectively managed. Additionally, the Institute has wellbeing working groups and employee champions to support staff.

We offer a generous annual leave allowance of 32 days per year, (pro rata for part time staff) plus bank holidays for England. The Institute gifts an additional day's leave on Christmas Eve.

Travel

The Institute is committed to reducing its environmental impact and actively supports and promotes travel by sustainable means. We work closely with The Christie NHS Foundation Hospital to have a green travel plan that aims to provide a package of measures that increase the travel options available to staff. These options include as a Cycle to Work Scheme and annual interest-free travel loans with Northern Rail, Stagecoach and Metrolink.



Family Friendly Support

If you have childcare responsibilities the Institute can provide you with a range of support to assist you in balancing your work and home life commitments. Information is available on the government's Tax Free Childcare Scheme and The University's Workplace Nursery Scheme. We also have a range of family friendly policies and staff have the right to request to work flexibly.

Equality, Diversity, and Inclusion (EDI)

The Institute is committed to creating an environment where diversity is celebrated and everyone is treated fairly, regardless of gender, gender identity, disability, ethnicity, religion or belief, sexual orientation, marital or transgender status, age, or nationality. The Institute has an EDI committee which provides leadership, drive and strategic direction on equality, diversity, and inclusion across all parts of the Institute. The committee will seek to promote cultural change and ensure that the EDI action plan is embedded across all functions of the Institute.

Personal Development

Whether you are a research scientist, technical or operational staff, you will receive excellent on the job training and an opportunity to share skills experience and expertise in a collaborative environment. The Institute has a range of training available for support and professional development.

Disability

The Institute is committed to providing a positive working environment free from discrimination, harassment, or victimisation due to a disability where all staff are treated with respect and dignity. The Institute has access to a Disability Advisory and Support Service (DASS) which has a dedicated disability adviser for staff to provide advice, guidance and support about a range of practical adjustments in the workplace.

Pension

We have two generous pension* schemes to provide benefits for you and your family. For more details, please contact the HR department.

**the pension scheme applicable for this role can be found in the Terms and Conditions section found at the end of this document.*





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ADDITIONAL RECRUITMENT AND SELECTION PARTICULARS

Shortlisted Candidates:

1. We will reimburse reasonable travel expenses. You need to retain all your receipts, as you will need to submit these with your expense claim form. This form will be given to you when you attend your interview.
2. If candidates require accommodation the Institute can arrange this for you. Please notify the HR Department as soon as possible so that this can be arranged on:
Tel: +44 (0)161 306 9752/+44 (0)161 200 8870
Email: jobs@cruk.manchester.ac.uk.

*Please note that reimbursement for accommodation may **not** apply.*

3. If candidates have any additional support needs to enable them to attend an interview, they will be able to request/discuss this with the HR department when arranging the interview.
4. Shortlisted candidates may be expected to complete a presentation as part of the selection process. Information regarding the duration and title of the presentation will be provided in the invitation to interview correspondence. We supply both laptop and projector for presentations.
5. All dates and times stated in correspondence from the Institute refer to UK BST (British Summer Time).
6. Candidates need to bring along their passport to interview, a copy of which will be taken for our records, when you visit the Institute. If candidates have difficulty in producing their passport, please contact the HR Department prior to the interview on:
Tel: +44 (0)161 306 9752/+44 (0)161 200 8870
Email: jobs@cruk.manchester.ac.uk

7. MS Teams or Zoom interview with or without presentation:
Instances may arise where we propose to hold an online interview as a (first stage) selection process. If this is the preferred method of interview, this will be



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stated on your invite to interview email. You will be provided with a link and password to attend the interview at a specified time on a specified date. This link will redirect you to your MS Teams/Zoom interview. 24 hours prior to interview we will require:

- A contact telephone number emailed to jobs@cruk.manchester.ac.uk along with a scanned copy of passport for ID purposes
- Where applicable, a copy of your presentation emailed to: jobs@cruk.manchester.ac.uk.

Please note:

You do not have to have a Zoom account to attend a Zoom interview. You will be prompted to download the software, once you have clicked on the link that you have been provided. You do, however, need to have a working microphone and camera connected to your electronic device, for this interview to go ahead.

The criteria will be consistent with all other candidates.





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STANDARD CRUK MANCHESTER INSTITUTE TERMS AND CONDITIONS

The following is a basic summary of the standard terms and conditions applicable to the post you have applied for:

- The post of Senior Scientific Officer is on a Cancer Research UK pay scale. It's on an MI3 grade with a salary range of £28,344 - £45,357 per annum (dependent upon experience).
- Your employment will be with The University of Manchester appointed under the Cancer Research UK Manchester Institute terms and conditions.
- Salary is paid monthly on the penultimate last working day of the month.
- There are 32 days holiday per year plus Bank Holidays for England.
- The duration of the contract is a 2-year fixed term.
- Working hours are 35 hours per week.
- There is a probationary period attached to this post of 6 months. It's standard for many organisations now and consists of two 3-monthly reviews with your line manager.
- You are eligible to join USS (<https://www.uss.co.uk/>) pension scheme.
- Any offer made by the Cancer Research UK Manchester Institute would require the successful candidate to undergo a medical clearance. This is arranged with Occupational Health department at The University of Manchester prior to starting employment and consists of a basic medical. This is to address and gain clearance for any potential hazards identified for the role on offer.
- Offer is subject to receipt of satisfactory references and proof of your highest qualification.
- Offer is subject to documented evidence of your right to work in the UK under the Home Office UK Border Agency Regulations.
- Overseas candidates should determine, when applying for the position, the likelihood of obtaining a Certificate of Sponsorship (CoS) for the post



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Manchester
Institute

by assessing their own circumstances against the criteria specified on the [gov.uk website](https://www.gov.uk)

- Standard Occupation Classification (SOC) for this role is 2112.
- Academic Technology Approval Scheme (ATAS) Research subject code: CAH03-01-02 - Biology (non-specific)
- Successful overseas candidates may be eligible to claim reimbursement of expenses to cover their visa and National Health Surcharge costs, if required. Overseas candidates will be required to meet the eligibility criteria as specified in the skilled worker points-based system.

Please note reimbursement does not extend to include family members, although a loan scheme is available.

- The appointment will be subject to a satisfactory pre-employment enhanced security check.
- The successful candidate is required to complete a Rehabilitation of Offenders/Criminal Records declaration form at the offer stage of the process. *Please note a criminal record will not necessarily be a bar to obtaining a position.*
- The Institute is promoting a green travel plan and there are staff benefits promoting this including a cycle to work scheme and the use of public transport. There are strong links to bus routes and trains to all CRUK Manchester Institute locations. More information about this can be found on our 'Our Benefits Package' page or by contacting the HR Department.

Please note there are car parking restrictions imposed around these sites.

**DON'T FORGET TO FOLLOW US ON SOCIAL
MEDIA**
#LifeAtCRUKMI

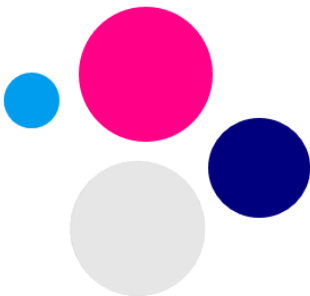


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**THANK
YOU!**



Cancer Research UK Manchester Institute is a Research Institute within
The University of Manchester and is core funded by Cancer Research UK