

Job title	Research Technician - Oxygen Sensitivity
Division	Medical Sciences
Department	Nuffield Department of Medicine
Location	Ludwig Institute for Cancer Research, Old Road Campus Research Building, Roosevelt Drive, Headington, Oxford, OX3 7DQ On occasion, NDM Research Building, Old Road Campus, Roosevelt Drive, Headington, Oxford, OX3 7FZ
Grade and salary	Grade 5: Salary in range £28,759 - £33,966 per annum (pro rata)
Hours	Full time
Contract type	Fixed-term contract for 12 months Funding is provided by the Ludwig
Reporting to	Professor Richard White & Professor Tammie Bishop
Vacancy reference	168504

About us	<ul style="list-style-type: none"> University of Oxford - www.ox.ac.uk/about/organisation Nuffield Department of Medicine (NDM) - https://www.ndm.ox.ac.uk Unit - Home — Ludwig Cancer Research (ox.ac.uk)
What we offer	<p>https://hr.admin.ox.ac.uk/staff-benefits</p> <ul style="list-style-type: none"> An excellent contributory pension scheme 38 days annual leave A comprehensive range of childcare services Family leave schemes Cycle loan scheme Discounted bus travel and Season Ticket travel loans Membership to a variety of social and sports clubs A welcoming and diverse community

The role

We are seeking a Research Technician to support a collaborative project between the labs of Richard White, Tammie Bishop and Peter Ratcliffe within the Ludwig Institute for Cancer Research, based at the Old Road Campus, Oxford. The project will involve examining mechanisms of tissue specific oxygen sensitivity. You will assist with setting up zebrafish and *ex vivo* models. The methods will involve cloning of expression vectors, CRISPR knocking, CRISPR knockout, creation of transgenic lines, imaging and associated molecular techniques such as qPCR, Western blot and others. Training will be provided on techniques unfamiliar to you.

Responsibilities

You will:

- Be responsible for managing the development of *in vitro* and *in vivo* assays for measuring oxygen sensitivity, and maintaining quality control of the assays used.
- Process samples, monitor results to spot discrepancies and propose refinements and re-run experiments where necessary.
- Maintain a database, run reports and interpret results.
- Write up experimental results which would occasionally contribute to small sections (methodology, tables) of publications.
- Ensure the smooth day-to-day running of the laboratory, e.g. by ensuring equipment is functioning and monitoring and ordering stock as necessary.
- Liaise with providers and assist in arranging service contracts.
- Write and review basic operating procedures.
- Maintain equipment, including washing, sterilisation and disposal, perform quality checks and contribute to the general cleanliness and upkeep of the laboratory space.
- Assist with inductions and training of colleagues or students.
- Be a point of reference for less experienced team members.
- Keep up to date with and advise on matters relating to Good Laboratory Practice.
- Participate in and support the public engagement and widening access activities of the Department and the University. This is anticipated to be not more than 2 days per year.
- Undertake mandatory training as required by the University, Division and Department. The specific list of training courses may change from time-to-time, in response to both legal and internal University requirements.



Selection criteria

Essential

- Educated to at least A-level, or equivalent qualification in science.
- Experience of working laboratory environment.
- Experience working with hazardous chemicals.
- Ability to troubleshoot problems with experiments and arrive at an appropriate solution.
- Strong attention to detail, with the ability to organise samples and record results in a clear and organised fashion.
- Ability to write up experimental results.
- IT skills including a knowledge of Word, Excel (i.e. data basing) and Powerpoint programs.
- Ability to organise own work load and take initiative as appropriate.
- Knowledge of health and safety regulations in a laboratory environment.

Desirable

- Supervisory experience.

Pre-employment screening

Standard checks

If you are offered the post, the offer will be subject to standard pre-employment checks. You will be asked to provide: proof of your right-to-work in the UK; proof of your identity; and (if we haven't done so already) we will contact the referees you have nominated. You will also be asked to complete a health declaration so that you can tell us about any health conditions or disabilities for which you may need us to make appropriate adjustments.

Please read the candidate notes on the University's pre-employment screening procedures at: <https://www.jobs.ox.ac.uk/pre-employment-checks>

Hazard-specific / Safety-critical duties

This job includes hazards or safety-critical activities. If you are offered the post, you will be asked to complete a health questionnaire which will be assessed by our Occupational Health Service, and the offer of employment will be subject a successful outcome of this assessment.

The hazards or safety-critical duties involved are as follows:

- Working with category 3b or 4 lasers (laser safety class)
- Work with allergens, Eg laboratory animals, pollen, dust, fish or insects etc.
- Work with any substance which has any of the following pictograms on their MSDS:



- Travel outside of Europe or North America on University Business

Additional security pre-employment checks

This job includes duties that will require additional security pre-employment checks:

- A satisfactory basic Disclosure and Barring Service check
- University security screening (eg identity checks)



How to apply

Applications are made through our e-recruitment system and you will find all the information you need about how to apply on our Jobs website <https://www.jobs.ox.ac.uk/how-to-apply>.

If you would like to apply, **click on the Apply Now button** on the 'Job Details' page and follow the on-screen instructions to register as a new user or log-in if you have applied previously.

As part of your application you will be asked to provide details of two referees and indicate whether we can contact them now. You will be asked to upload a CV and a supporting statement. The supporting statement must explain how you meet each of the selection criteria for the post using examples of your skills and experience. This may include experience gained in employment, education, or during career breaks (such as time out to care for dependants). Your application will be judged solely on the basis of how you demonstrate that you meet the selection criteria stated in the job description.

Please upload all documents **as PDF files** with your name and the document type in the filename. Please note using a long file name may prevent you from uploading your documents.

- http://www.ox.ac.uk/about_the_university/jobs/supportandtechnical/

All applications must be received by **midday** UK time on the closing date stated in the online advertisement

Information for priority candidates

A priority candidate is a University employee who is seeking redeployment because they have been advised that they are at risk of redundancy, or on grounds of ill-health/disability. Priority candidates are issued with a redeployment letter by their employing department(s).

If you are a priority candidate, please ensure that you attach your redeployment letter to your application (or email it to the contact address on the advert if the application form used for the vacancy does not allow attachments).

If you need help

Application FAQs, including technical troubleshooting advice is available at: <https://staff.web.ox.ac.uk/recruitment-support-faqs>. Non-technical questions about this job should be addressed to the recruiting department directly recruitment@ndm.ox.ac.uk

To return to the online application at any stage, please go to: www.recruit.ox.ac.uk.

Please note that you will receive an automated email from our online recruitment portal to confirm receipt of your application. **Please check your spam/junk mail** if you do not receive this email. Important information for candidates

Data Privacy

Please note that any personal data submitted to the University as part of the job application process will be processed in accordance with the GDPR and related UK data protection legislation. For further information, please see the University's Privacy Notice for Job Applicants at: <https://compliance.admin.ox.ac.uk/job-applicant-privacy-policy>. The University's Policy on Data Protection is available at: <https://compliance.admin.ox.ac.uk/data-protection-policy>.

The University's policy on retirement

The University operates an Employer Justified Retirement Age (EJRA) for very senior research posts at **grade RSIV/D35 and clinical equivalents E62 and E82**, which with effect from 1 October 2023 will be 30 September before the 70th birthday. The justification for this is explained at: <https://hr.admin.ox.ac.uk/the-ejra>.

For **existing** employees on these grades, any employment beyond the retirement age is subject to approval through the procedures: <https://hr.admin.ox.ac.uk/the-ejra>.

There is no normal or fixed age at which staff in posts at other grades have to retire. Staff at these grades may elect to retire in accordance with the rules of the applicable pension scheme, as may be amended from time to time.

Equality of opportunity

Entry into employment with the University and progression within employment will be determined only by personal merit and the application of criteria which are related to the duties of each particular post and the relevant salary structure. In all cases, ability to perform the job will be the primary consideration. No applicant or member of staff shall be discriminated against because of age, disability, gender reassignment, marriage or civil partnership, pregnancy or maternity, race, religion or belief, sex, or sexual orientation.