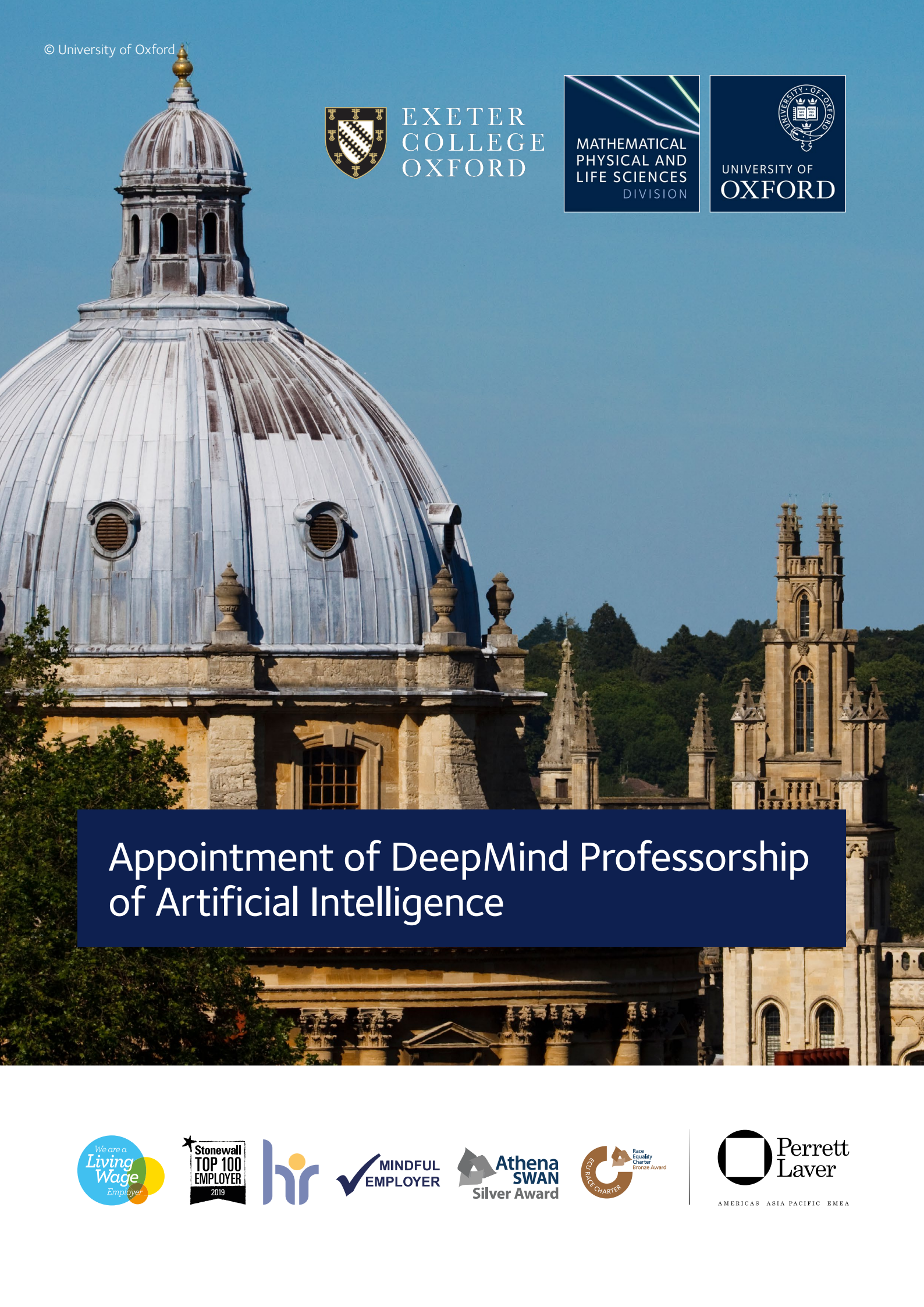
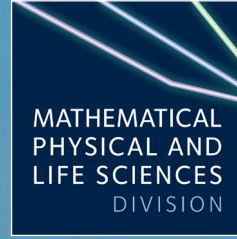




EXETER
COLLEGE
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Appointment of DeepMind Professorship of Artificial Intelligence



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Overview of the post

The Department of Computer Science and Exeter College intend to appoint to the DeepMind Professorship of Artificial Intelligence with effect from 1 September 2021 or as soon as possible thereafter. This post is made possible by a philanthropic donation from DeepMind, and represents the latest step in a continuing expansion of Artificial Intelligence at the University of Oxford.

The successful candidate will be a world-leading researcher in contemporary AI, and through their research will have made a substantial contribution to the field. They will join a department with manifest strengths across the whole spectrum of AI, from classic symbolic approaches, knowledge representation, search, and constraints, through human-centred AI, to deep learning, reinforcement learning, game theoretic approaches, and the theoretical foundations of ML. They will establish and lead a research team in their area, and will take a leading role in the further development of AI within the University. An ideal candidate will engage with others working in AI from beyond the Department of Computer Science, (for example including AI groups in the Department of Engineering Science, the Department of Statistics, and the Mathematics Institute), as well as users of AI across the collegiate University, and will act as an advocate for the subject within Oxford and beyond.

This post is a statutory professorship, which is the most senior academic grade at Oxford. Statutory professors have a world-leading research reputation and exercise broad academic leadership across their department or faculty and college, and more widely in their subject at national and international level. Please see <https://hr.admin.ox.ac.uk/academic-posts-at-oxford> for a description of the different types of academic posts at Oxford.

If you would like to discuss this post, please contact Professor Michael Wooldridge (mjw@cs.ox.ac.uk), Head of Department of Computer Science. All enquiries will be treated in strict confidence and will not form part of the selection decision.

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Duties of the post

You will be a member of both the University and the College community. You will be part of a lively and intellectually stimulating research community which performs to the highest international levels in research and publications and will have access to the excellent research facilities which Oxford offers. You will have a role to play in the running of Exeter College as a member of the Governing Body and a trustee of the College.

The main duties of the post are as follows:

- Provide leadership in research and teaching in AI; and contribute to leadership more broadly across the Department and the collegiate University.
- Maintain an excellent publication record in international journals and leading conferences.
- Obtain research and/or development funding to support a research group and to contribute to the financial sustainability of the Department.
- Engage with industrial partners where appropriate to promote and enable the wider impact of research on society.
- Play a leading role in the strategy and development of AI research in the Department of Computer Science, and more widely in the collegiate University.
- Teach undergraduate course options in AI, teach and supervise doctoral students in your area of research, and act as College advisor to a small number of graduate students at Exeter College.
- Take part in examining within the Department of Computer Science as appropriate.
- Participate in departmental administration as appropriate.
- Participate in Exeter College as a member of the Governing Body, serving occasionally on College standing committees and selection committees.

Headship of Department/Faculty Board Chair

Every professor who is employed by the University, unless individually exempted, has an obligation to accept headship of the department or faculty in which their post is held, if required.

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Selection criteria

Your application will be judged only against the criteria which are set out below. You should ensure that your application shows clearly how your skills and experience meet these criteria.

The University is committed to fairness, consistency, and transparency in selection decisions. Members of electoral boards (selection committees) will apply the principles of equality of opportunity and fair selection, and have been trained to recognise and avoid the risks of bias. There will be both female and male board members wherever possible.

If, for any reason, you have taken a career break or have had an atypical career and wish to disclose this in your application, the electoral board will take this into account, recognising that the quantity of your research may be reduced as a result.

You will demonstrate the following:

Essential

- World-leading research track record in AI, and excellent publication record.
- Evidence of research leadership and the ability to train, guide and motivate research students and junior colleagues.

- Ability to contribute to the long-term development of AI, to maintain interest in the subject in Oxford, and to ensure wide recognition of Oxford's contributions to the subject.
- Proven record of obtaining and managing research grants.
- Commitment to providing effective teaching at undergraduate and postgraduate level.
- Ability to communicate effectively (in writing and orally).

Desirable

- A research programme that complements and will enhance the research of the Department and University.
- Experience of university governance and management and of academic administration.
- Experience of outreach, public communication of science, and advocacy for AI.

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How to apply

Informal enquiries are welcome and may be made in the strictest confidence to Perrett Laver. To express an interest in the DeepMind Professorship of Artificial Intelligence please upload your application to Perrett Laver's website:

<https://candidates.perrettlaver.com/vacancies>
quoting reference **4845**.

Applications must comprise:

- a full CV and publications list;
- a covering letter or supporting statement explaining how you meet the criteria set out above, using examples of your skills and experience. This may include experience gained in education or employment, or during career breaks (such as time out to care for dependants);
- a statement (of at most one page) describing your vision for how AI at Oxford might develop;
- your full contact details including email and full postal addresses, and a telephone number;
- please provide details of three referees and indicate whether the University may contact them without seeking your permission. Referees should not write directly to the University, but may be contacted at any stage in the recruitment process if the electoral board requests your references.

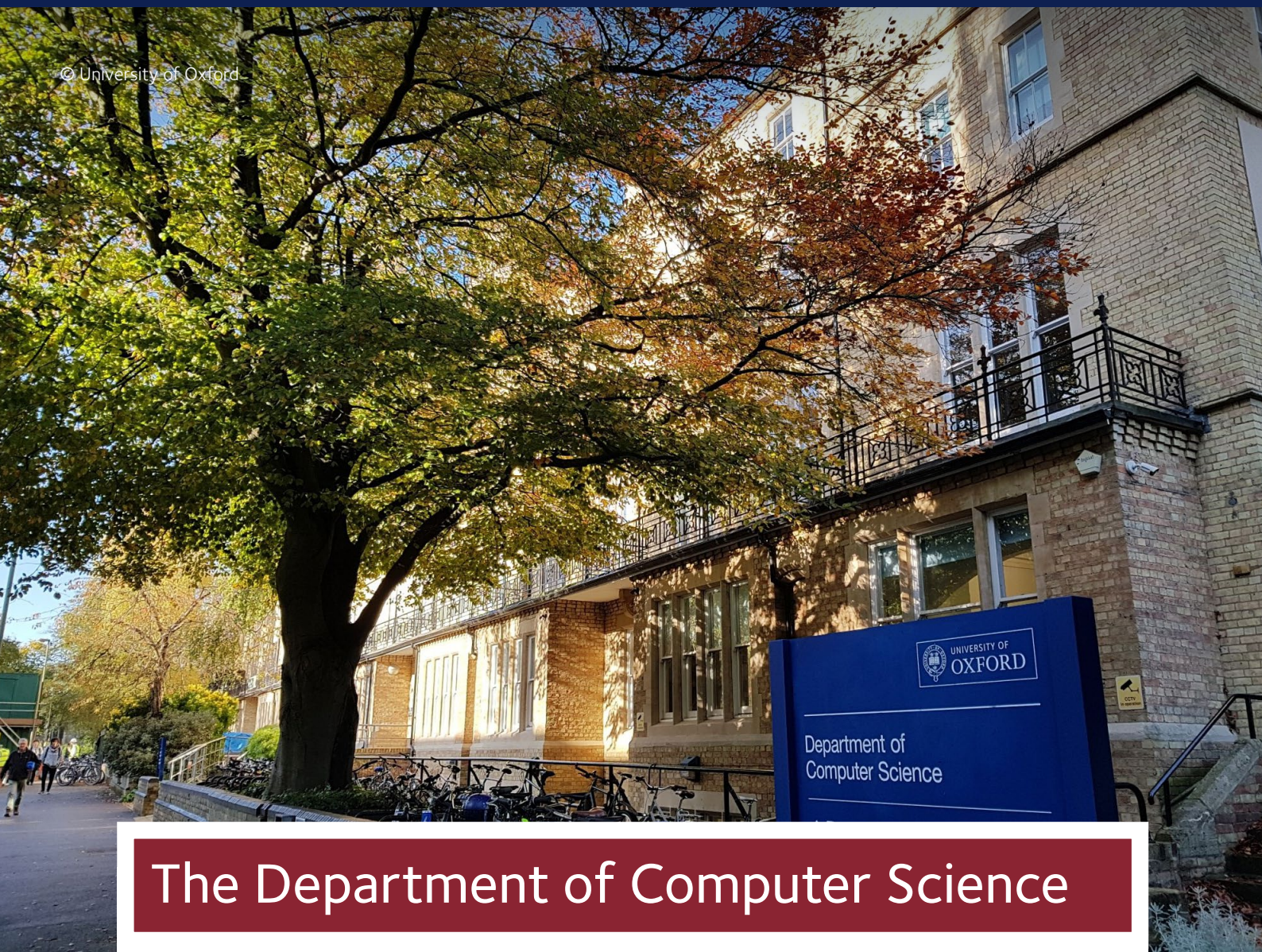
The University and colleges welcome applications from candidates who have a disability or long-term health condition and is committed to providing long term support. The University's disability advisor can provide support to applicants with a disability, please see <https://edu.admin.ox.ac.uk/disability-support> for details. Please let us know if you need any adjustments to the recruitment process, including the provision of these documents in large print, audio or other formats. If we invite you for interviews, we will ask whether you require any particular arrangements at the interview. The University Access Guide gives details of physical access to University buildings <https://www.accessguide.ox.ac.uk/>.

Please upload all documents as PDF files with your name and the document type in the filename.

All applications must be received by **12.00 noon on Friday 15th January 2021**.

All applications will be considered by the electoral board as soon as possible after the closing date. The electoral board is free to search for other candidates at this or any subsequent stage in its proceedings. You will be kept informed of the progress of your application at each stage, but in some cases there may be a delay while deliberations are ongoing. All shortlisted candidates will be interviewed and will be asked to give a short presentation to the electoral board as part of the interview. The composition of the electoral board will be published in the University Gazette (<https://gazette.web.ox.ac.uk/>) when it is finalised.

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The Department of Computer Science

The Department of Computer Science was established in 1957, making it one of the longest-established Computer Science departments in the UK. It is one of the country's leading Computer Science departments (ranked first in a number of international rankings).

The Research Excellence Framework (REF) in December 2014 resulted in 74 members of the Department having 53% of their research activity ranked in the top category of 4* (world-leading). Overall, we received an average of 3.34 across the department (3* being internationally excellent). At present there are 69 members of academic staff and almost 100 research staff.

The Department has close links with government, industry, and other departments within the University. Among the latter are Mathematics, Engineering, Physics, Statistics and a number of life sciences departments.

The Department is housed across multiple sites within the University's South Parks Road Science area, facilitating strong collaborative links with research groups and institutes in closely allied areas (including the Oxford Internet Institute and the Oxford e-Research Centre). This is an essentially inter-disciplinary activity which is at present attracting major funding from a number of sources. At present the Department holds over £50m in external research contracts.

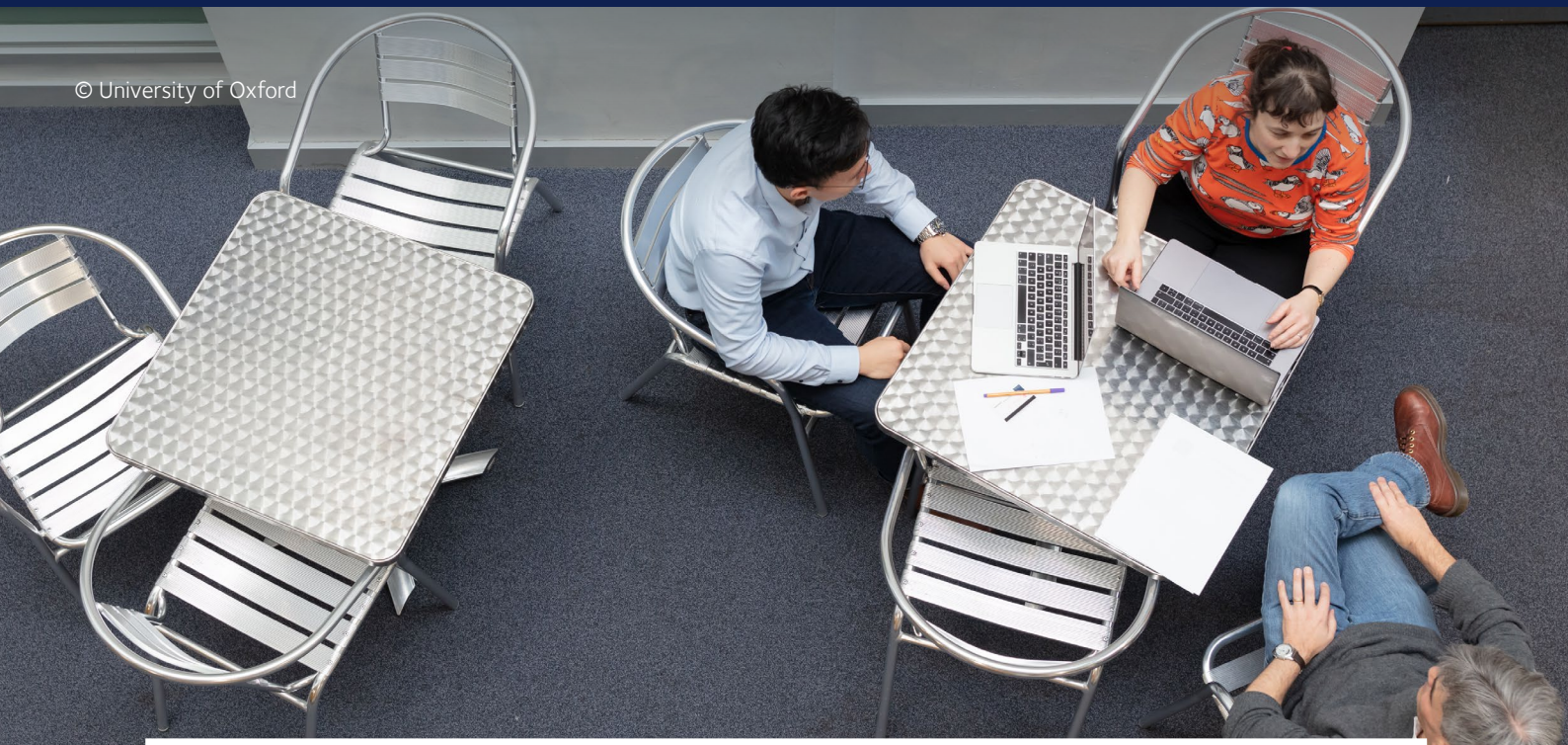


Research in the Department is currently organised into ten themes:

- *Algorithms & Complexity Theory* focusses on determining the inherent difficulty of computational problems, classifying problems according to this inherent difficulty, and designing and analysing algorithms that use computational resources as efficiently as possible;
- *Artificial Intelligence & Machine Learning* focuses on theoretical foundations, multi-agent systems, deep learning and computational linguistics;
- *Automated Verification* investigates theory and practice of formal verification and correct-by-construction synthesis for software and hardware systems;
- *Computational Biology & Health Informatics* is concerned with computational approaches for biomedical research and healthcare innovation;
- *Cyber-Physical Systems* is focusing on intelligent and autonomous sensor systems with applications in positioning, healthcare, environmental monitoring and smart cities;
- *Foundations, Structures and Quantum* embraces interdisciplinary research, and has a particular interest in structural foundations of quantum computation;
- *Human-Centred Computing* covers human-computer interaction, social computing and world-wide web;
- *Information Systems* covers databases, knowledge representation and reasoning;
- *Programming Languages* covers functional programming, program analysis, and programming language foundations;
- *Security* specialises in cybersecurity, protocol analysis, systems security, trusted computing, human-centred security, and networking.

For more information please visit: <http://www.cs.ox.ac.uk/research/>.





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The Mathematical, Physical and Life Sciences Division

The Mathematical, Physical, and Life Sciences (MPLS) Division is one of the four academic divisions of the University. Oxford is widely recognised as one of the world's leading science universities and the MPLS Division is home to our non-medical sciences, with ten academic departments that span the full spectrum of the mathematical, computational, physical, engineering and life sciences, and undertake both fundamental research and cutting-edge applied work.

Our research tackles major societal and technological challenges – whether developing new energy solutions or improved cancer treatments, understanding climate change processes, or helping to preserve biodiversity, and is increasingly focused on key interdisciplinary issues. We collaborate closely with colleagues in Oxford across the medical sciences, social sciences and humanities, and with other universities, research organisations and industrial partners across the globe in pursuit of innovative research geared to address critical and fundamental scientific questions.

The disciplines within the MPLS Division regularly appear at the highest levels in world rankings, with Oxford's Mathematical, Physical and Life Sciences research judged best in the country according to the 2014 REF assessment exercise carried out by the Higher Education Funding Council for England (HEFCE).

MPLS is proud to be the home of some of the most creative and innovative scientific thinkers and leaders working in academe. Our senior researchers have been awarded some of the most significant scientific honours and we have a strong tradition of attracting and nurturing the very best early career researchers who regularly secure prestigious fellowships and faculty positions. MPLS continues in its work to support diversity in its staffing, seeing that it will bring benefits to all, and we are pleased to note that all academic departments in the Division hold Athena Swan Awards.

We have around 7,000 full and part-time students (including approximately 3,500 graduate students) and play a major role in training the next generation of leading scientists. Oxford's international reputation for excellence in teaching is reflected in its position at the top of the major league tables and subject assessments. MPLS academics educate students of high academic merit and potential from all over the world. Through a mixture of lectures, practical work and the distinctive college tutorial system, students develop their ability to solve diverse mathematical, scientific and engineering problems.

MPLS is dedicated to bringing the wonder and potential of science to the attention of audiences far beyond the world of academia. We have a strong commitment to supporting public engagement in science through initiatives including the Oxford Sparks portal (www.oxfordsparks.ox.ac.uk) and a large variety of outreach activities; these are crucial activities given so many societal and technological issues demand an understanding of the science that underpins them. We also bring the potential of our scientific efforts forward for practical and beneficial application to the real world and our desire, aided by the work of Oxford University Innovation and Oxford Sciences Innovation, is to link our best scientific minds with industry and public policy makers.

For more information about the MPLS division, please visit: www.mpls.ox.ac.uk.



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Exeter College

There are 39 self-governing and independent colleges at Oxford, giving both academic staff and students the benefits of belonging to a small, interdisciplinary community as well as to a large, internationally-renowned institution. The collegiate system fosters a strong sense of community, bringing together leading academics and students across subjects, and from different cultures and countries.

Founded in 1314, Exeter College is the fourth oldest of the University's colleges. Its Governing Body is made up of the Rector and 55 Fellows, all of whom hold academic, professorial, or senior administrative posts in the collegiate University. The College has an undergraduate body of about 350, in addition to whom there are approximately 220 postgraduate students and up to 30 visiting undergraduate students. Exeter is a lively interdisciplinary community: its Fellows and students are spread across a large number of subjects in the social sciences, humanities, medicine, and the natural sciences.

The DeepMind Professor of Artificial Intelligence will hold a Professorial Fellowship of Exeter and will be a member of the College's Governing Body. This is a full Fellowship of the College, which comes with membership of Governing Body (and therefore the duties of a trustee), as well as full Common Table rights and opportunities to utilise the College's facilities and to contribute to the life of the College. Although Statutory Professors do not have tutorial duties for the College, Exeter warmly encourages them to be part of the relevant College "subject family" and to become College Adviser for some graduate students, thereby integrating with Fellows and students alike. The DeepMind Professor will enjoy full access to the College's academic and Common Room facilities in the historic Turl Street site and at our impressive, recently-constructed, "Cohen Quadrangle" in Walton Street (near the home of the Mathematical Institute, the Andrew Wiles Building).

Exeter College has a long commitment to fields closely related to the subject matter of the DeepMind Chair, including engineering, mathematics, law, and philosophy. It has four Governing Body Fellows with research interests related to the DeepMind Chair: Professor Mike Osborne (Dyson Professor in Machine Learning), Professor Jared Tanner (Professor of the Mathematics of Information), Professor Luciano Floridi (Professor of the Philosophy and Ethics of Information), and Dr Charlotte Elves (Career Development Fellow in Medical Law and Ethics, with an interest in the regulation of machine learning and artificial intelligence).

The College's community of graduate students in Computer Science has, over the past decade, included 16 students studying for the fulltime MSc in Computer Science and 24 DPhil students in Computer Science, several of whom have been funded in whole or in part by Exeter College graduate scholarships. Also, Exeter has several graduate students working on cognate topics in the Oxford Internet Institute, Mathematics, and Engineering. Exeter has for some time admitted undergraduates to read for the joint School of Mathematics & Computer Science.

For more information about Exeter College please visit: <https://www.exeter.ox.ac.uk/>.



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About the University of Oxford

Oxford's departments and colleges aim to lead the world in research and education for the benefit of society both in the UK and globally. Oxford's researchers engage with academic, commercial and cultural partners across the world to stimulate high-quality research and enable innovation through a broad range of social, policy and economic impacts.

Oxford's self-governing community of international scholars includes Professors, Associate Professors, other college tutors, senior and junior research fellows and over 2,500 other University research staff. Research at Oxford combines disciplinary depth with an increasing focus on inter-disciplinary and multi-disciplinary activities addressing a rich and diverse range of issues. The current strategic plan can be found at <http://www.ox.ac.uk/about/organisation/strategic-plan-2018-23>.

Oxford's strengths lie both in empowering individuals and teams to address fundamental questions of global significance, and in providing all staff with a welcoming and inclusive workplace that supports everyone to develop and do their best work. Recognising that diversity is a great strength, and vital for innovation and creativity, Oxford aspires to build a truly inclusive community which values and respects every individual's unique contribution.

While Oxford has long traditions of scholarship, it is also forward-looking, creative and cutting-edge. Oxford is one of Europe's most entrepreneurial universities.

It consistently has the highest external research income of any university in the UK (the most recent figures are available at www.ox.ac.uk/about/organisation/finance-and-funding), and is ranked first in the UK for university spin-outs, with more than 130 spin-off companies created to date. Oxford is also recognised as a leading supporter of social enterprise.

Oxford admits undergraduate students with the intellectual potential to benefit fully from the small group learning to which Oxford is deeply committed. Meeting in small groups with their tutor, undergraduates are exposed to rigorous scholarly challenge and learn to develop their critical thinking, their ability to articulate their views with clarity, and their personal and intellectual confidence. They receive a high level of personal attention from leading academics.

Oxford has a strong postgraduate student body which now numbers over 10,000. Postgraduates are attracted to Oxford by the international standing of the faculty, by the rigorous intellectual training on offer, by the excellent research and laboratory facilities available, and by the resources of the museums and libraries, including one of the world's greatest libraries, the Bodleian.

For more information please visit www.ox.ac.uk/about/organisation.



University benefits, terms and conditions

Standard duties

- (i) To lecture, or hold classes, in at least two of the three university terms and to give at least thirty-six lectures or classes in all and not less than twelve in each of two terms; and
- (ii) to undertake research and original work and the general supervision of research and advanced work in your subject and department/faculty, and to assist students in their studies by advice or informal instruction.

It is expected that professors will generally participate in the business and affairs of the relevant faculty or department.

Salary

Your salary will be determined after appropriate consultation. There is an annual 'cost-of-living' review. In addition you will be eligible for consideration, in regular reviews, for Professorial Merit Pay.

An additional pensionable allowance will be payable in respect of any period during which you are Head of Department/ Faculty Board Chair. (Any allowance payable for a period of less than three years will not, however, be pensionable.)

Pension

The University offers generous pension provision. You will be offered membership of the Universities Superannuation Scheme.

Details are available at <https://finance.web.ox.ac.uk/uss>.

Sabbatical leave

You will be eligible for sabbatical leave to allow you to focus on your research. In general, one term of leave is available for each six terms worked. This leave may either be taken as one term of leave after six terms of service, or accumulated and taken as one year of leave after six years of service.

Outside commitments

You may apply to spend up to 30 working days in each year on projects outside your employment duties, such as consultancy, spin-out activity and membership of research councils and other bodies. There is no limit to earnings from these activities without deduction from salary. Details of the approval process may be found at <https://hr.admin.ox.ac.uk/holding-outside-appointments>.

Guidance is also available on:

Ownership of intellectual property www.admin.ox.ac.uk/statutes/regulations/182-052.shtml and managing conflicts of interest <https://researchsupport.admin.ox.ac.uk/governance/integrity>.

Membership of Congregation

Oxford's community of scholars governs itself through Congregation which is its "parliament". You will be a voting member of Congregation.

See <https://www.ox.ac.uk/about/organisation/governance> and <https://governance.admin.ox.ac.uk/legislation/statute-iv-congregation> for further details.

Residence

You will be required to reside within the University (i.e. within twenty-five miles of Carfax, the central point of Oxford) during at least six months in each academic year, between 1 October and 1 August, and in particular during not less than six weeks of each term.

Housing

You may be eligible for assistance with housing: some rental accommodation is available for statutory professors moving to Oxford for their first year, and there is a Joint Equity Scheme which new statutory professors may be entitled to join, to help with the purchase of a home in Oxford.

General information about home rental and purchase is available at

<https://welcome.ox.ac.uk/housing>.

Relocation

Subject to UK tax regulations and the availability of funding, a relocation allowance may be available.

Family support

The University offers generous family leave arrangements, such as maternity, adoption, paternity and shared parental leave. Details are available at <https://hr.admin.ox.ac.uk/family-leave-for-academic-staff>. You will have considerable flexibility in the day-to-day organisation of your duties. Requests for flexible working patterns will be accommodated as far as possible.

You will be eligible to apply to use the University nurseries (subject to availability of places). For details of the nurseries and how to apply for places, please see <https://childcare.admin.ox.ac.uk/home>.

The University subscribes to My Family Care, a service that provides practical advice and support for employees who have caring responsibilities. The service offers a free telephone advice line, and the ability to book emergency back-up care for children, adult dependents and elderly relatives. For more details, please see <https://hr.admin.ox.ac.uk/my-family-care>.

The Oxford University Newcomers' Club is run by volunteers, whose aim is to help the newly-arrived partners of visiting scholars, of graduate students and of newly appointed academic and administrative members of the University to settle in and to give them opportunities to meet people in Oxford. Further information is available at www.newcomers.ox.ac.uk/.

Welcome for International Staff

One of Oxford's great strengths is its truly international body of research and teaching staff from over 140 countries, and we welcome applications from academics across the world. We can help international staff and partners/families make the transition to Oxford. Information about relocation, living and working in the UK and Oxford is available at welcome.ox.ac.uk.

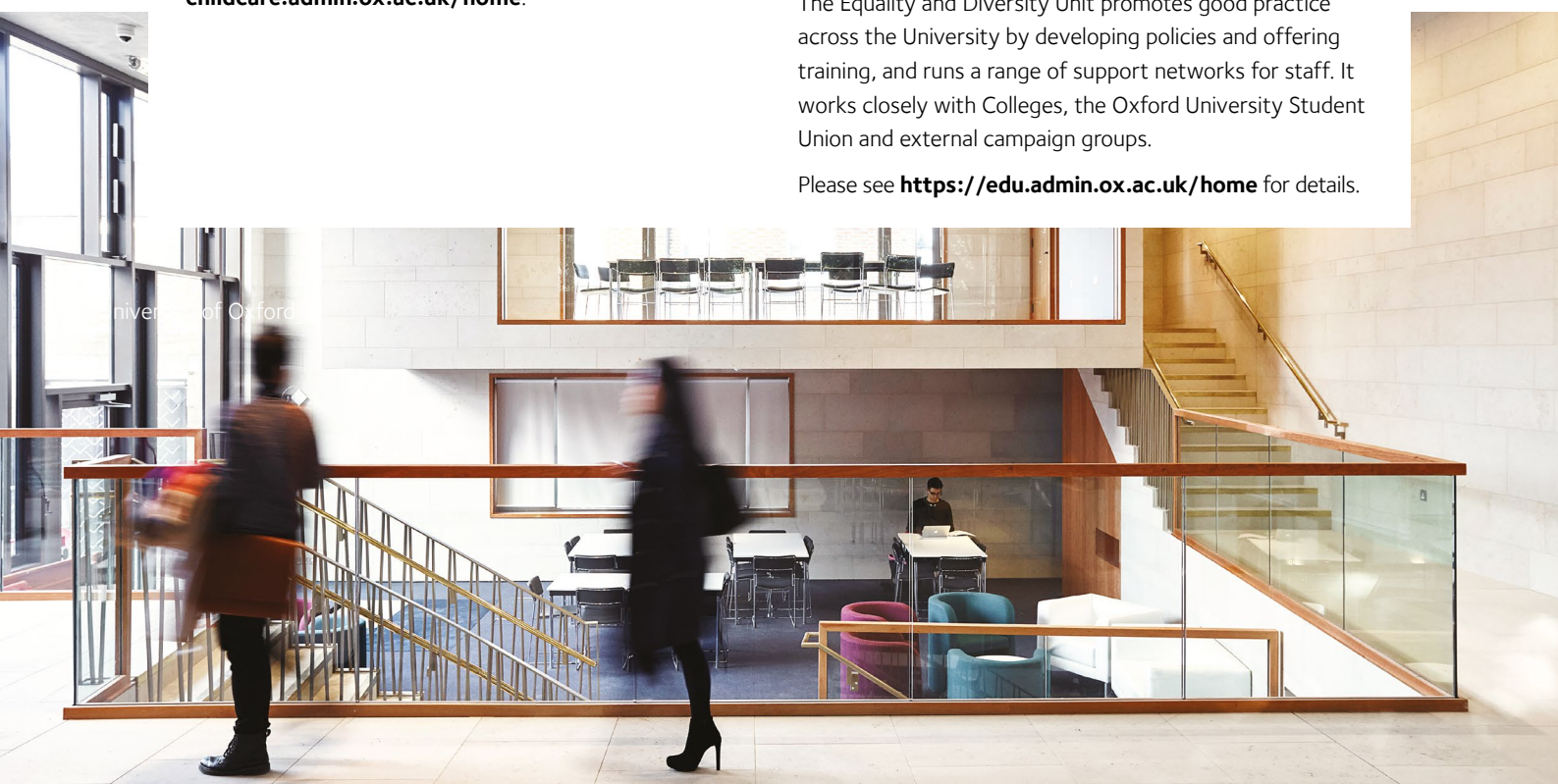
If you require a visa, we have a dedicated team to support successful applicants through the Tier 1 visa process. Further information is available at www.gov.uk/tier-1-exceptional-talent.

Promoting diversity

The University is committed to recruiting and retaining the best people, whoever they are, to ensure equality of opportunity. The Vice Chancellor's Diversity Fund provides resources for innovative projects to promote diversity.

The Equality and Diversity Unit promotes good practice across the University by developing policies and offering training, and runs a range of support networks for staff. It works closely with Colleges, the Oxford University Student Union and external campaign groups.

Please see <https://edu.admin.ox.ac.uk/home> for details.



Other benefits and discounts for University employees

The University has a range of facilities and benefits for its staff, including discounted health insurance, sustainable travel schemes, and discounts in local shops and restaurants. Details are available at:

<https://hr.admin.ox.ac.uk/staff-benefits>

<https://hr.admin.ox.ac.uk/discounts>

Pre-employment screening

Your appointment would be subject to the University's standard pre-employment screening, as applicable to the post. If you are offered the post, you will be asked to provide proof of your right-to-work, your identity, and 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 so that we can discuss appropriate adjustments with you), and a declaration of any unspent criminal convictions.

We advise you to read the notes for applicants at <https://www.jobs.ox.ac.uk/pre-employment-checks>.

Length of appointment

The University operates an employer justified retirement age for all academic posts, for which the retirement date is 30 September immediately preceding the 69th birthday.

The justification for this may be found at <https://hr.admin.ox.ac.uk/the-ejra>.

For existing employees, any employment beyond the retirement age is subject to approval through the EJRA procedures. Further details can be found at <https://hr.admin.ox.ac.uk/the-ejra>.

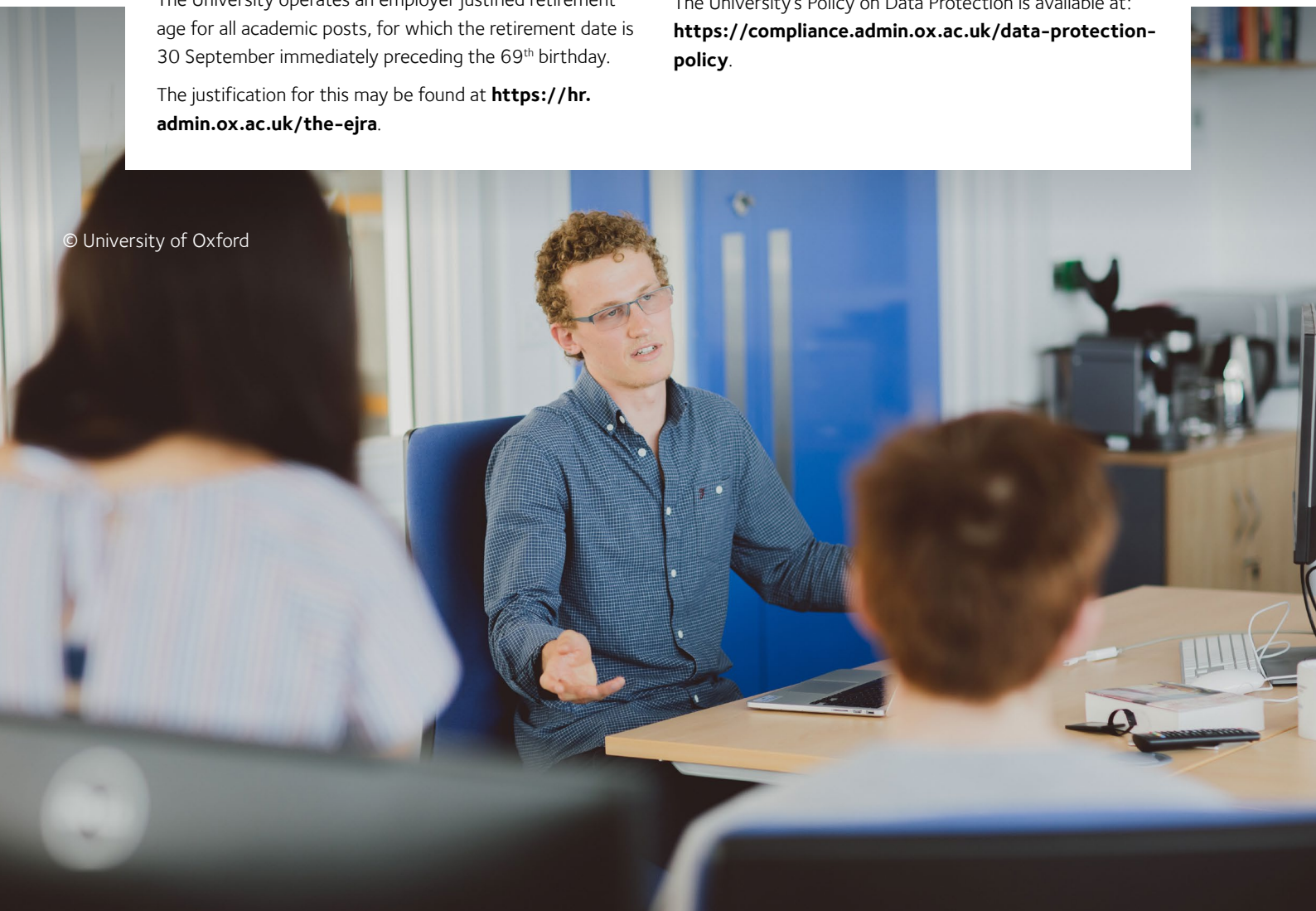
Equality of opportunity

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.

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>.



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College benefits

You will be a member of the Senior Common Room. In addition, you will be entitled to lunch and dine free of charge at the Common Table in Exeter College on each day for which the Governing Body makes such provision (this normally includes free lunch and dinner on every weekday in term and outside term, and on every Sunday evening in term).

The College provides access to private healthcare and private dental care; should you wish to join either of these schemes, membership is on a voluntary basis and premiums will be paid at your own cost. For more information, please do not hesitate to contact the HR Officer (vacancies@exeter.ox.ac.uk).

The College owns a number of residential properties in central Oxford, which are let on a commercial basis; you may potentially be able to rent one of these properties, subject wholly to availability at the time.

As a member of the Governing Body of the Exeter College, you will be a Trustee of the charity. As such, candidates must ensure that they are eligible to act as Trustees, and that there is no reason why they would be disqualified from acting as such. Further information can be obtained from the HR Officer.

Exeter College policies on equality and diversity can be found here: <http://www.exeter.ox.ac.uk/equality-and-diversity/>.

Information about Exeter College's data protection policy, including the College's privacy notice, is available at: <https://www.exeter.ox.ac.uk/governance/>.

