Job Description and Selection Criteria

Post	Associate Professorship (or Professorship) of Machine Learning
Department/Faculty	Department of Computer Science
Division	Mathematical, Physical and Life Sciences
College	Jesus College
Contract type	Permanent upon completion of a successful review. The review is conducted during the first 5 years.
Salary	Salary from £46,336 per annum, plus college benefits as detailed below* including a housing allowance of £10,503 pa and access to equity sharing scheme (subject to eligibility), or single accommodation in College if available, a responsibility allowance of £1,527 pa, and private medical insurance An allowance of £2,700 p.a. would be payable upon award of Full Professor title * see page 9 for more details of college benefits
Vacancy number	134343

Overview of the post

The Department of Computer Science and Jesus College are recruiting an Associate Professor of Machine Learning, to be held in the Department of Computer Science, ideally with effect from October 1, 2018 or as soon as possible thereafter. The successful candidate will also be appointed to a Tutorial Fellowship at Jesus College. The University of Oxford has established a solid and exciting Machine Learning alliance, with multiple active faculty members in the Computer Science, Information Engineering, and Statistics departments; the successful candidate will join a vibrant and rapidly growing Computer Science Department, and will benefit from a rich academic environment for computer science research.

The Department of Computer Science at Oxford is one of the longest-established and most highly-regarded Computer Science Departments in the UK, and has strong collaborative links with government, industry, and other departments within the University. Inter-disciplinary activity is at present attracting major funding from a number of sources, and the Department holds over £50m in

external research contracts. The successful candidate will be the second tutorial fellow in computer science at Jesus College, and will work closely with the current tutor, Associate Professor Standa Zivny, to provide tutorial teaching.

We invite applications from outstanding individuals who are, or have the potential to be, a leader in their field and whose research falls within the broad area of Machine Learning. Applications from researchers who would establish new research directions within the department are particularly encouraged. Applicants will hold a PhD in computer science or a closely related subject and will have a proven track record in research of the highest international standard – e.g. as substantiated by publications in leading relevant conferences and journals within the area of Machine Learning. Applicants will have the ability to attract research funding and to develop an independent research programme. Applicants will also have experience of and excellence, or the potential for excellence, in teaching a wide range of topics in computer science at undergraduate and graduate levels, the ability to contribute to course development, to supervise graduate students, and to provide pastoral care, and the ability and willingness to undertake administrative duties, including activities such as outreach, committee membership, and other key roles which contribute to the efficiency of the department.

The departmental teaching and administrative load is reduced in the first couple of years, to enable the post holder to establish themselves in post and with their research, including collaborations with existing research groups in the department. The Department strives to provide a supportive and inclusive environment and an excellent work/life balance for all of its employees. Applications are particularly welcome from women, black and minority ethnic applicants, who are currently under-represented in the University.

If you would like to discuss this post and find out more about joining the academic community at Oxford, please contact, Professor Michael Wooldridge (Head of Department) at michael.wooldridge@cs.ox.ac.uk or telephone: +44 (0)1865 610 812. All enquiries will be treated in strict confidence and will not form part of the selection decision.

All enquiries will be treated in strict confidence; they will not form part of the selection decision.

The role of Associate Professor at Oxford

Associate Professor is the main academic career grade at Oxford with a focus on research and teaching, spanning the full range of professor grades in the USA. Associate Professors are appointed jointly by a University department or faculty and an Oxford college, and you will have a contract with both.

Associate Professors are full members of University departments and college governing bodies, playing a role in the democratic governance of the University and their college. You will join a lively, intellectually stimulating and multi-disciplinary community which performs to the highest international levels in research and teaching, with extraordinary levels of innovation, creativity and entrepreneurship.

There is considerable flexibility in the organisation of duties, with three 8-week undergraduate teaching terms and generous sabbatical leave to balance teaching and research (please see the Benefits, Terms and Conditions section for further details of sabbatical leave). There is the potential for temporary changes to the balance of duties between College and University to enable a focus on different aspects of work at different stages in your career.

Oxford offers many opportunities for professional development in research and teaching. Associate Professors may apply for the title of full Professor in annual exercises. If the title is conferred, you

will also have access to professorial merit pay opportunities. In exceptional cases, the title of full Professor may be awarded on appointment.

Appointments are confirmed as permanent on successful completion of a review during the first five years. The vast majority of Associate Professors successfully complete this initial review.

Duties of the post

For the **University** the post-holder will be expected:

Research

- to engage in original research in the field of Machine Learning;
- to secure research funding and engage in the management of research projects;
- to disseminate their research through publication in scholarly journals, participation in international conferences and seminars, and through other media;
- to engage in knowledge transfer activities.

Teaching

- to carry out teaching at undergraduate and graduate level including lectures, classes, demonstrations, and project supervision, under the direction of the Head of Department;
- to supervise research students.

Examining

- to take part in University examining as and when requested to do so.

Administration

- to participate in the administration of the department as and when requested by the Head of Department.

For the **College** the post-holder will be expected:

- to engage in advanced study and research;
- to give six hours per week of tutorials during the eight weeks of full term, averaged over the year;
- to organize other teaching for the College's undergraduates taking the Honour Schools of Computer Science and Mathematics & Computer Science;
- to have responsibility of pastoral care for undergraduate students;
- to act as college adviser for graduate students;
- to take part in the administration of the College by participation in the Governing Body and other committees.

Hazard-specific / Safety-critical duties

This job may include the following hazards or safety-critical activities which will require successful pre-employment health screening through our Occupational Health Service before the successful candidate will be allowed to start work:

- Lone Working
- Driving on University business
- Travel outside of Europe or North America on University Business

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 selection committees will be aware of the principles of equality of opportunity, fair selection and the risks of bias. There will be both female and male committee 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 selection committee will take this into account, recognising that the quantity of your research may be reduced as a result.

The successful candidate will demonstrate the following.

Essential

(a) A PhD in Computer Science or a closely related subject
(b) Proven research record of high quality at international level in the area of Machine Learning or relevant/cognate areas of artificial intelligence;
(c) Ability to attract research funding and develop an independent programme of research;
(d) Experience of and ability to teach effectively, both at undergraduate and graduate level, a wide range of topics within the field of Computer Science;
(e) Excellent interpersonal skills necessary for undertaking tutorial teaching and the pastoral care of students;
(f) Ability and willingness to undertake the full range of administrative duties both within the department and the College.

Desirable

1. Evidence of interest in activities which contribute to equality and diversity, in particular in relation to under-represented groups, such as outreach
2. Excellent track record of obtaining research grants;
3. Experience of research collaborations at national and international level;
4. Experience of supervising research students;

How to apply

To apply, visit www.ox.ac.uk/about/jobs/academic/index/, click on the relevant post title, then 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. Please refer to the "Terms of Use" in the left hand menu bar for information about privacy and data protection.

You will be asked to upload a full CV with publications list, a supporting statement and both a teaching statement and a research statement (the latter of 3 pages each maximum) proposal. The research statement proposal should convey your research vision and set out your plans and priorities for research over the next five years. The teaching statement should describe your approach to teaching, and your ideas for courses you would like to teach including new courses you would like to develop. The supporting statement should explain how you meet the selection criteria for the post using examples of your skills and experience. This may include experience gained in education, employment or during career breaks (such as time out to care for dependants).

You will also be asked to provide details of three referees and indicate whether the University may contact them now. The University will assume that it is free to approach your referees at any stage unless your application specifies otherwise. You should contact all three of your referees to ensure they are aware of your application and of the requirements for the post, and to ensure that they would be content to write a reference for you for this post, if they were asked to do so.

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 http://www.admin.ox.ac.uk/eop/disab/ 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 http://www.admin.ox.ac.uk/access/.

Teaching commitments are mainly concentrated into Oxford's three 8-week undergraduate teaching terms, making it easier to balance teaching and research. There is considerable flexibility in the organisation of duties, and generous sabbatical leave.

Please upload all documents as PDF files with your name and the document type in the filename, for example Smith_CV.pdf. Please limit your documents to the following:

1. Your full CV including publications, teaching experience, career details to date, and awards received; (please do not include PhD thesis)
2. Your supporting statement as described above;
3. Your research and teaching statements.

All applications must be received by 12.00 noon on 18 May 2018. Interviews are expected to be held on Monday 25 June 2018 (full day).

Should you experience any difficulties using the online application system, please email recruitment.support@admin.ox.ac.uk. Further help and support is available from

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

Please note that you will be notified of the progress of your application by automatic emails from our e-recruitment system. Please check your spam/junk mail regularly to ensure that you receive all emails.

All applications will be acknowledged after receipt and will be considered by the selection committee as soon as possible after the closing date. All shortlisted candidates will be asked to give both teaching and research presentations to the committee as part of the interview process.

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 country. It is one of the UK's leading Computer Science Departments (ranked first in a number of international rankings). The UK 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). A significant majority of the Department are active in externally sponsored research, with both government and industrial funding. 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 managed in 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, multiagent 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/.

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. . The disciplines within the MPLS Division regularly appear at the highest levels in world rankings and have been evaluated as conducting world-leading and internationally excellent research in UK research assessments, and Mathematical, physical and life sciences research at Oxford is the best in the country according to the 2014 Research Excellence Framework (REF) assessment exercise carried out by HEFCE.

The MPLS Division is home to the non-medical sciences at Oxford and its 10 departments and 3 interdisciplinary units 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.

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 (including Nobel prizes and prestigious titles such as FRS and FREng) and we have a strong tradition of attracting and nurturing the very best early career researchers who regularly secure prestigious fellowships. The Division is also the proud holder of ten Athena Swan Awards (5 Silver and 5 Bronze) illustrating our commitment to ensure good practice and to encourage women in science at all levels in the division.

We have around 6,000 full and part-time students (including approximately 1900 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 major 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 (http://www.oxfordsparks.net/) 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 endeavour to bring the potential of our scientific efforts forward for practical and beneficial application to the real world and our desire is to link our best scientific minds with industry and public policy makers.

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

Jesus College

There are 38 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.

Jesus College has a strong commitment to promoting and enabling education, learning, scholarship and research at the highest levels amongst its students and academic staff, whilst preserving an informal and friendly atmosphere. Founded in 1571 by Elizabeth I, the College is a self-governing educational charity and is one of the constituent colleges of Oxford University. With Professor Sir Nigel Shadbolt, FRS, FREng, as its Principal, the College comprises some 70 Fellows, 20 lecturers, 240 graduates, 340 undergraduates, and 90 support staff. The College is located on an attractive historic site in the centre of Oxford, with excellent access to the Bodleian Library and other university libraries, the Science Area, and the University's department and faculty buildings. A centre adjacent to the College provides state-of-the-art teaching facilities and en-suite student accommodation. The College has two annexe sites elsewhere in the city to provide additional student accommodation.

The College encourages the academic achievements of its students (being regularly towards the top of the table for the best performance in final examinations) with excellent teaching, and generous and varied financial support. Similarly it celebrates and supports the academic endeavours of its Fellows, both in research and teaching. As a result of its emphasis on research, the College increased the number of Research Fellows at early, mid and senior career stages, as well as offering post-doctoral researchers membership of the Middle Common Room.

Computer Science at Jesus College

Jesus College admitted its first eight postgraduate students in Computer Science in 2016 and from 2018 will be offering Computer Science to undergraduates. To consolidate Computer Science as a subject within the College, the Associate Professor of Machine Learning will be joining a growing community of computer scientists at Jesus College: the Principal, Professor Sir Nigel Shadbolt is Professor of Computer Science at the University of Oxford and one of the UK's foremost researchers in Artificial Intelligence and since his arrival in College in 2015 the College has recruited a Tutorial Fellow, non-stipendiary JRF in Computer Science (2016-2019) and a non-tutorial Hugh Price Fellow in Computer Science. For further information see www.jesus.ox.ac.uk/people.

Further information about the college and the benefits and duties of Fellowship can be found below in the College Terms and Conditions and on the College website at www.jesus.ox.ac.uk.

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.

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.

Appendix:

The Tutorial Fellowship: General Template of Duties for Tutorial Fellows in Oxford Colleges

1: Introduction

A Tutorial Fellowship represents the College side of a joint appointment, i.e. an appointment which involves a College component and a University component. The University side is represented by an Associate Professorship1. The appointee is selected and funded jointly by the College(s) concerned and by the relevant division of the University. The joint appointment system is an unusual arrangement in research-intensive universities. Its central feature is that academics of major research reputation are attached to particular Colleges as Tutorial Fellows, where they are members of an interdisciplinary community of moderate size. In those Colleges they teach, and arrange teaching for, a small cohort of very able undergraduates in tutorials (teaching sessions with one, two, or three students) and small classes, monitoring their progress individually over the whole of their course. They also have responsibility for advising a certain number of graduate students in their subject area within their College. Tutorial Fellowships thus hold a key place in the intellectual culture of the collegiate University of Oxford. This document, adopted by the Conference of Colleges, aims to set out the main features of Tutorial Fellowships, and the expectations that Colleges will generally have of Tutorial Fellows.

The duties of a Tutorial Fellow are not confined to the College. All have an obligation as members of a department or faculty to contribute to research and teaching, and this will usually include lecturing, class teaching, supervision of graduate students and University examining alongside contributing to an internationally excellent research environment. As Associate Professors, the holders of joint appointments will also be expected to contribute to discussion and governance in their faculty or department, serving on committees, revising teaching syllabus materials and reading lists, and taking on administrative roles as needed. All Tutorial Fellows are also members of Congregation, the sovereign legislative body within the University, and have a right to vote on matters before Congregation.

2: Research

The Colleges have the same interest as departments and faculties in seeking to appoint to Tutorial Fellowships academic staff whose research is or has the potential to be of international standing, and a Tutorial Fellow will be required by the College to engage in research and publication at the highest level. The Colleges and the University work together to appoint outstanding researchers who are willing and able to engage in undergraduate and graduate teaching, student support and pastoral work, and administrative duties. Colleges offer extensive support for research, funding regular sabbatical leave and providing a system of allowances, together with rooms and library facilities, all within a welcoming, interdisciplinary community.

3: Teaching and support

Those appointed to Tutorial Fellowships are required to perform for the College or for the benefit of the College the stint of undergraduate tutorial teaching specified in their contract or further particulars, under the general oversight of each College's Senior Tutor. The timing of tutorials and

[1] Associate Professorships come in different forms according to the balance of duties owed to the College and University, and they may or may not have an associated Tutorial Fellowship. The forms of Associate Professorship include Associate Professor with Tutorial Fellowship-University (APTF-U), Associate Professor with Tutorial Fellowship-College (APTF-C), Associate Professor with Tutorial Fellowship–Faculty (APTF-F) and Associate Professor without Tutorial Fellowship (AP-NTF).

the exact numbers of students in each tutorial group are usually matters for the individual tutor, though each College will have established conventions, and the Senior Tutor and subject colleagues will provide advice and examples of past good practice including arrangements such as intercollegiate teaching exchanges which are commonly used to provide expert coverage of different aspects of (or subjects within) a discipline. Tutorial teaching is not the same as lecturing: the intention is to engage the students in small groups in intellectual interaction and creative dialogue so as to help them develop an independent, critical, and well-informed approach to their discipline. This approach is underpinned by regularly setting written work, typically weekly essays or problem sheets supported as necessary with recommended reading. Assessment and feedback on that written work is given by the tutors orally during the tutorials as well as by more conventional written comments or marking. Appointees should have the qualities required to relate effectively to students and their academic and personal needs.

Tutorial Fellows are generally assigned sole or joint tutorial responsibility for a defined group of students in their subject area within their College. This work typically involves the following tasks to support the students' education:

(a) arranging tutorial and/or class teaching for each student in each term, whether the teaching is done by the tutor or another, and ensuring that teaching is of an appropriate standard;

(b) monitoring students' progress through termly written reports, and by means of collections (regular tests of performance) and/or assessment of vacation work;

(c) pastoral support of undergraduates reading the subject in question;

(d) interviewing candidates who apply to read the subject at the College, including arranging for help from other suitable interviewers and making the final selection of who should be admitted;

(e) writing references for students, and directing them to appropriate careers advice;

(f) recommending and selecting books and online materials for their subject area in the College Library;

(g) delegating responsibilities (a)-(f) above when on sabbatical leave, in consultation with the Senior Tutor and subject colleagues.

Tutorial Fellows are supported in these tasks by the administrative staff of the College and by the College Officers.

Tutorial Fellows normally do their tutorial teaching in rooms provided for them in Colleges or in their Departments or Faculties and should be easily contactable through their Colleges during Term (although it is recognised that conferences and other commitments may mean that Tutorial Fellows are sometimes away from Oxford for short periods in Term).

Oxford Colleges offer strong pastoral support to all their students. Here Tutorial Fellows play a key role, not only for their own undergraduates as indicated above, but also by acting as 'College Adviser' in College for a number of graduate students in their disciplinary area (this being additional to the formal academic supervision of research students arranged by the University with a suitable expert very possibly from another College). While Tutorial Fellows are often the first point of contact for students who are having difficulties, there are, of course, experts available when professional help is needed. Tutorial Fellows work closely with College Officers and with staff with appropriate medical and welfare training to ensure that students are supported appropriately and referred to professional services if that is necessary.

4: College Governance

Oxford Colleges are self-governing communities with wide responsibilities. Tutorial Fellows are normally members of College Governing Bodies, the sovereign bodies of Colleges. They are usually Charity Trustees as well as employees. In many Colleges, major College Officerships (Senior Tutor, Tutor for Admissions, Tutor for Graduates, Dean) are held by Fellows specially appointed to undertake those roles on a full-time basis. However, in some Colleges, such officerships are taken on by Tutorial Fellows on a full-time or part-time basis for agreed limited periods in return for additional stipend and/or a specified remission of tutorial teaching duties. In these various ways, Tutorial Fellows are expected to contribute to the governance and running of their Colleges, though Tutorial Fellows will not normally be asked to take on significant administrative duties in their probationary period (or in the first five years, if their probationary period is shorter than that).

Benefits, Terms and Conditions

Salary

The successful candidate will be appointed on the Oxford scale for associate professors, as shown in the table in the annexe.

Those appointed below the top of this salary range will receive annual increments until they reach the top point. There is also an annual 'cost-of-living' review. In exceptional cases, the Departmental board may propose the awarding of additional increments within the substantive scale to an Associate Professor at any time during their appointment.

Additional remuneration may be paid for graduate supervision, examining and some tutorial teaching. Those holding administrative appointments within the department may be eligible for additional payments.

Pension

The University offers generous pension provision. Associate Professors are usually offered membership of the Universities Superannuation Scheme.

Details are available at www.admin.ox.ac.uk/finance/epp/pensions/schemes/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 6 terms of service, or accumulated and taken as one year of leave after 6 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 www.admin.ox.ac.uk/personnel/staffinfo/academic/approvaltoholdoutsideappointments/.

Guidance is also available on:
ownership of intellectual property www.admin.ox.ac.uk/statutes/regulations/182-052.shtml and managing conflicts of interest www.admin.ox.ac.uk/researchsupport/integrity/conflict/policy/

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 www.ox.ac.uk/about/organisation/governance and www.admin.ox.ac.uk/statutes/781-121.shtml for further details.

Family support

The University offers generous family leave arrangements, such as maternity, adoption, paternity and shared parental leave. Details are available at www.admin.ox.ac.uk/personnel/during/family/. You will have considerable flexibility in the day-to-day organisation of duties in the Associate Professor role. 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 www.admin.ox.ac.uk/childcare/.

The University subscribes to My Family Care, a benefit which allows staff to register for emergency back-up childcare and adultcare services, a 'speak to an expert' phone line and a wide range of guides and webinars through a website called the Work + Family Space.

For more details, please see www.admin.ox.ac.uk/personnel/staffinfo/benefits/family/mfc/

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

The Careers Service has a dedicated adviser for the partners of University employees, offering assistance in finding employment, training or volunteering opportunities.

For details, please see www.careers.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 www.internationalstaffwelcome.admin.ox.ac.uk/

If you require a visa, we have a dedicated team to support successful applicants through the immigration process (for Tier 1 and Tier 2 visas) from job offer through to arrival in the UK.

Relocation

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

Promoting diversity

The University and its Colleges are 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 www.admin.ox.ac.uk/eop/ 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:

www.admin.ox.ac.uk/personnel/staffinfo/discountsforstaff/services/
www.admin.ox.ac.uk/personnel/staffinfo/benefits/

Pre-employment screening

The appointment of the successful candidate will be subject to the University's standard pre-employment screening. This will include right-to-work, proof of identity, references, a pre-employment health declaration, and any other checks as applicable to the post. We advise you to read the notes for applicants at www.ox.ac.uk/about/jobs/preemploymentscreening/

Length of appointment

Appointments to Associate Professorships at Oxford are confirmed as permanent on successful completion of a review during the first five years.

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
www.admin.ox.ac.uk/personnel/end/retirement/revisedejra/revaim/

For **existing** employees, any employment beyond the retirement age is subject to approval through the EJRA procedures. Further details can be found at
www.admin.ox.ac.uk/personnel/end/retirement/acrelretire/

Jesus College Benefits, Terms and Conditions

The Fellows of the College form a lively multi-disciplinary and international community. Weekday lunches in particular are a popular and lively time for Fellows to talk to their immediate colleagues and those in other disciplines. Guest Nights on Wednesdays and Fridays during term offer very pleasant occasions for Fellows to entertain professional and personal guests, and a chance to meet a wide range of interesting people. The College hosts a number of well-attended formal dinners throughout the year, at which the postholder and his/her guest would be most welcome.

Fellows can make use of the College's well-equipped seminar and other rooms for meetings, entertainment, conferences etc., and can book accommodation for guests in dedicated Fellows' guest rooms. Fellows regularly use College facilities to host seminars, colloquia and conferences of several days' duration. Lunches and dinners of a high standard may also, on occasion, be hosted by Fellows for professional or personal purposes. A dedicated Fellows' Resources Room provides computers, printers, a photocopier and a fax machine.

College Benefits for the post holder will include:

- Housing allowance (if living outside of College): £10,503, per annum (effective August 2017). The housing allowance is paid as taxable, pensionable income;
- Responsibility Allowance: £1,527 p.a.;
- Academic Allowance of £2,000 pa for research and teaching expenses. This is doubled in the first year of appointment. Items purchased under these schemes remain the property of the College for five years from the date of purchase;
- Fellows are entitled to apply for grants from the College's Major Research Grant Fund, which has a total value of £40,000 p.a., and is particularly targeted at new appointees;
- College fee for a DPhil student to be supervised by the postholder within the first five years of appointment;
- Membership of a medical insurance scheme, paid for by the College as a taxable benefit;
- A room in College for teaching, equipped with standard PC and black and white printer;
- An equity sharing scheme to assist in the purchase of a house (for those without a property in the Oxford area already);
- Entitlement to lunch and dinner in College without charge when the kitchens are open (approx. value £2,500 per annum);
- Membership of the Senior Common Room (at a charge of £60 pa).

Additional material about the College, including the research interests of Fellows and Lecturers, can be found at the Jesus College website: www.jesus.ox.ac.uk.

Offer of Employment

Applications for this post will be considered by a selection committee containing representatives from both the Department of Computer Science and Jesus College. The selection committee is responsible for conducting all aspects of the recruitment and selection process; it does not, however, have the authority to make the final decision as to who should be appointed. The final decision will be made by the Mathematical, Physical and Life Sciences divisional board and the

governing body of Jesus College on the basis of a recommendation made by the selection committee. No offer of appointment will be valid, therefore, until and unless the recommendation has been approved by both the divisional board and the governing body, and a formal contractual offer has been made.

Appendix: The Tutorial Fellowship

General Template of Duties for Tutorial Fellows in Oxford Colleges

1: Introduction

A Tutorial Fellowship represents the College side of a joint appointment, i.e. an appointment which involves a College component and a University component. The University side is represented by an Associate Professorship. The appointee is selected and funded jointly by the College(s) concerned and by the relevant division of the University. The joint appointment system is an unusual arrangement in research-intensive universities. Its central feature is that academics of major research reputation are attached to particular Colleges as Tutorial Fellows, where they are members of an interdisciplinary community of moderate size. In those Colleges they teach, and arrange teaching for, a small cohort of very able undergraduates in tutorials (teaching sessions with one, two, or three students) and small classes, monitoring their progress individually over the whole of their course. They also have responsibility for advising a certain number of graduate students in their subject area within their College. Tutorial Fellowships thus hold a key place in the intellectual culture of the collegiate University of Oxford. This document, adopted by the Conference of Colleges, aims to set out the main features of Tutorial Fellowships, and the expectations that Colleges will generally have of Tutorial Fellows.

The duties of a Tutorial Fellow are not confined to the College. All have an obligation as members of a department or faculty to contribute to research and teaching, and this will usually include lecturing, class teaching, supervision of graduate students and University examining alongside contributing to an internationally excellent research environment. As Associate Professors, the holders of joint appointments will also be expected to contribute to discussion and governance in their faculty or department, serving on committees, revising teaching syllabus materials and reading lists, and taking on administrative roles as needed. All Tutorial Fellows are also members of Congregation, the sovereign legislative body within the University, and have a right to vote on matters before Congregation.

2: Research

The Colleges have the same interest as departments and faculties in seeking to appoint to Tutorial Fellowships academic staff whose research is or has the potential to be of international standing, and a Tutorial Fellow will be required by the College to engage in research and publication at the highest level. The Colleges and the University work together to appoint outstanding researchers who are willing and able to engage in undergraduate and graduate teaching, student support and pastoral work, and administrative duties. Colleges offer extensive support for research, funding regular sabbatical leave and providing a system of allowances, together with rooms and library facilities, all within a welcoming, interdisciplinary community.

3: Teaching and support

Those appointed to Tutorial Fellowships are required to perform for the College or for the benefit of the College the stint of undergraduate tutorial teaching specified in their contract or further particulars, under the general oversight of each College's Senior Tutor. The timing of tutorials and the exact numbers of students in each tutorial group are usually matters for the individual tutor, though each College will have established conventions, and the Senior Tutor and subject colleagues will provide advice and examples of past good practice including arrangements such as intercollegiate teaching exchanges which are commonly used to provide expert coverage of different aspects of (or subjects within) a discipline. Tutorial teaching is not the same as lecturing: the intention is to engage the students in small groups in intellectual interaction and creative dialogue so as to help them develop an independent, critical, and well-informed approach to their

discipline. This approach is underpinned by regularly setting written work, typically weekly essays or problem sheets supported as necessary with recommended reading. Assessment and feedback on that written work is given by the tutors orally during the tutorials as well as by more conventional written comments or marking. Appointees should have the qualities required to relate effectively to students and their academic and personal needs.

Tutorial Fellows are generally assigned sole or joint tutorial responsibility for a defined group of students in their subject area within their College. This work typically involves the following tasks to support the students' education:

(a) arranging tutorial and/or class teaching for each student in each term, whether the teaching is done by the tutor or another, and ensuring that teaching is of an appropriate standard;

(b) monitoring students' progress through termly written reports, and by means of collections (regular tests of performance) and/or assessment of vacation work;

(c) pastoral support of undergraduates reading the subject in question;

(d) interviewing candidates who apply to read the subject at the College, including arranging for help from other suitable interviewers and making the final selection of who should be admitted;

(e) writing references for students, and directing them to appropriate careers advice;

(f) recommending and selecting books and online materials for their subject area in the College Library;

(g) delegating responsibilities (a)-(f) above when on sabbatical leave, in consultation with the Senior Tutor and subject colleagues.

Tutorial Fellows are supported in these tasks by the administrative staff of the College and by the College Officers.

Tutorial Fellows normally do their tutorial teaching in rooms provided for them in Colleges or in their Departments or Faculties and should be easily contactable through their Colleges during Term (although it is recognised that conferences and other commitments may mean that Tutorial Fellows are sometimes away from Oxford for short periods in Term).

Oxford Colleges offer strong pastoral support to all their students. Here Tutorial Fellows play a key role, not only for their own undergraduates as indicated above, but also by acting as 'College Adviser' in College for a number of graduate students in their disciplinary area (this being additional to the formal academic supervision of research students arranged by the University with a suitable expert very possibly from another College). While Tutorial Fellows are often the first point of contact for students who are having difficulties, there are, of course, experts available when professional help is needed. Tutorial Fellows work closely with College Officers and with staff with appropriate medical and welfare training to ensure that students are supported appropriately and referred to professional services if that is necessary.

4: College Governance

Oxford Colleges are self-governing communities with wide responsibilities. Tutorial Fellows are normally members of College Governing Bodies, the sovereign bodies of Colleges. They are usually Charity Trustees as well as employees. In many Colleges, major College Officerships (Senior Tutor, Tutor for Admissions, Tutor for Graduates, Dean) are held by Fellows specially appointed to undertake those roles on a full-time basis. However, in some Colleges, such officerships are taken on by Tutorial Fellows on a full-time or part-time basis for agreed limited periods in return for additional stipend and/or a specified remission of tutorial teaching duties. In these various ways, Tutorial Fellows are expected to contribute to the governance and running of their Colleges, though Tutorial Fellows will not normally be asked to take on significant administrative duties in their probationary period (or in the first five years, if their probationary period is shorter than that).

ANNEXE

PAY SCALE FOR ASSOCIATE PROFESSORS WITH TUTORIAL FELLOWSHIPS (APTF-U)

(with effect from 1 August 2017)

Grade (30S)				
Scale point	National Pay spine	University Salary	College Salary	Total Salary
11	52	£52,183	£10,036	£62,219
10	51	£50,666	£9,744	£60,410
9	50	£49,194	£9,461	£58,655
8	49	£47,764	£9,186	£56,950
7	48	£46,378	£8,919	£55,297
6	47	£45,031	£8,660	£53,691
5	46	£43,723	£8,409	£52,132
4	45	£42,453	£8,165	£50,618
3	44	£41,221	£7,928	£49,149
2	43	£40,024	£7,698	£47,722
1	42	£38,862	£7,474	£46,336