



Job description

Job title	Postdoctoral Researcher
Division	Mathematical, Physical, and Life Sciences (MPLS)
Department	Department of Computer Science
Location	<i>Wolfson Building, Parks Road, Oxford, OX1 3QD (Hybrid working available, with a minimum of 3 days per week onsite and up to 2 days remote working.)</i>
Grade and salary	Grade 7: £39,424 - £45,212 per annum
Hours	Full time
Contract type	Fixed-term for 2 months , with possible extension
Reporting to	Professor Paul Goldberg
Vacancy reference	188722

Research topic	Computational Game Theory, including Social Choice Theory
Principal Investigator / supervisor	Professor Paul Goldberg
Project team	Paul Goldberg, Tomasz Was, Maria Polukarov
Project web site	https://www.cs.ox.ac.uk/people/paul.goldberg/project-BMW.html
Funding partner	The funds supporting this research project are provided by UKRI/EP SRC
Recent publications	Complexity of (Non-)Convergence in Iterative Voting. Paul W. Goldberg, Marios Mavronicolas, Tomasz Was. Procs. Of AAMAS 2026, pp.2545—2553.



The role

Reporting to the Principal Investigator. The post holder is a member of a research group with responsibility for carrying out research for a small project. The post holder provides guidance to junior members of the research group including research assistants, PhD students, and/or project volunteers

Flexible working

The post is available only as full-time and on-site, due to the need for intensive collaboration with the PI.

Responsibilities

- *Manage own academic research and administrative activities. This involves small scale project management, to co-ordinate multiple aspects of work to meet deadlines*
- *Adapt existing and develop new research methodologies and materials*
- *Prepare working theories and analyse qualitative and/or quantitative data from a variety of sources, reviewing and refining theories as appropriate*
- *Contribute ideas for new research projects*
- *Develop ideas for generating research income, and present detailed research proposals to senior researchers*
- *Collaborate in the preparation of research publications, and book chapters*
- *Present papers at conferences or public meetings*
- *Act as a source of information and advice to other members of the group on methodologies or procedures*
- *Represent the research group at external meetings/seminars, either with other members of the group or alone*
- *Carry out collaborative projects with colleagues in partner institutions, and research group*

Selection criteria

Essential selection criteria

- *Hold a relevant PhD/Dphil, together with relevant experience*
- *Possess sufficient specialist knowledge in the discipline to work within established research programmes*
- *Ability to manage own academic research and associated activities*
- *Previous experience of contributing to publications/presentations*
- *Ability to contribute ideas for new research projects and research income generation*
- *Excellent communication skills, including the ability to write for publication, present research proposals and results, and represent the research group at meeting*

Desirable selection criteria

- *Experience of independently managing a discrete area of a research project*
- *Experience of actively collaborating in the development of research articles for publication.*

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. If you have previously worked for the University we will also verify key information such as your dates of employment and reason for leaving your previous role with the department/unit where you worked. 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.ox.ac.uk/about/jobs/explore-our-careers/applications-process/pre-employment-screening>

About the University of Oxford

Welcome to the University of Oxford. We 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.

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

While we have long traditions of scholarship, we are also forward-looking, creative and cutting-edge. Oxford is one of Europe's most entrepreneurial universities and we rank first in the UK for university spin-outs, and in recent years we have spun out 15-20 new companies every year. We are also recognised as leaders in support for social enterprise.

Join us and you will find a unique, democratic and international community, a great range of staff benefits and access to a vibrant array of cultural activities in the beautiful city of Oxford.

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

Department of Computer Science

The Department of Computer Science is consistently recognised as the internationally leading centre of research and teaching across a broad spectrum of computer science, ranging from foundational discoveries to interdisciplinary work with significant real-world impact.

We are proud of our history as one of the longest-established computer science departments in the country, as we continue to provide first-rate undergraduate and postgraduate teaching to some of the world's brightest minds.

We enjoy close links with other University departments and Oxford research groups and institutes.

Our greatest asset is our people. We consistently attract the best staff and students and, thanks to them, we have been ranked as the world's leading university for computer sciences for eight years in a row by the Times Higher Education. We have held an Athena Swan Bronze Award since 2014, reflecting our longstanding commitment to promoting and supporting gender equality.

Find out more information on our website <http://www.cs.ox.ac.uk/>

Mathematical, Physical, and Life Science Division (MPLS)

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 9 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.

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

How to apply

Applications are made through our online recruitment portal. Information about how to apply is available on our Jobs website <https://www.ox.ac.uk/about/jobs/explore-our-careers/applications-process/how-to-apply>

Your application will be judged solely on the basis of how you demonstrate that you meet the selection criteria stated in the job description.

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)

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

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

Information for internal candidates

If you currently work at the University please note that:

- as part of the referencing process, we will contact your current department to confirm basic employment details including reason for leaving and information about your performance.
 - although employees may hold multiple part-time posts, they may not hold more than the equivalent of a full time post. If you are offered this post, and accepting it would take you over the equivalent of full-time hours, you will be expected to resign from, or reduce hours in, your other posts(s) before starting work in the new post.
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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://www.ox.ac.uk/about/jobs/explore-our-careers/applications-process/support-with-online-applications>

Non-technical questions about this job should be addressed to the recruiting department directly

recruitment@cs.ox.ac.uk

To return to the online application at any stage, please go to: <https://www.ox.ac.uk/about/jobs/explore-our-careers/applications-process/how-to-apply>

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://www.ox.ac.uk/about/how-we-are-run/policies-and-statements/policy-hub/job-applicant-privacy-policy>. The University's Policy on Data Protection is available at: <https://www.ox.ac.uk/about/how-we-are-run/policies-and-statements/policy-hub/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** of 30 September before the 70th birthday.

For **existing** employees on these grades, any employment beyond the retirement age is subject to approval through the procedures: <https://unioxfordnexus.sharepoint.com/sites/OXINTRANET-working-here/SitePages/the-ejra.aspx>

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.

Equal Opportunity

The University of Oxford is committed to equal opportunity, and to being a place where everyone belongs and is supported to succeed. We recognise how the diversity of our community enriches our ability to deliver on our academic mission.

We welcome applications from individuals from all backgrounds, including those under-represented within higher education. No applicant or members of staff shall be unlawfully discriminated against on the basis of age, disability, gender reassignment, marriage or civil partnership, pregnancy or maternity, race, religion or belief, sex, or sexual orientation.

Employment with the University and progression within employment will be determined according to personal merit and the application of criteria related to the duties and conditions of the post. In all cases, the primary consideration will be the ability to perform the job.

As stated in the University's Equality Policy and Equality, Diversity and Inclusion Strategic Plan, our commitment to equality and diversity goes hand in hand with our commitment to academic freedom and free speech.

Benefits of working at the University

Employee benefits

University employees enjoy 38 days' paid holiday, generous pension schemes, flexible working options, support for sustainable travel and other discounts. Staff can also access a huge range of personal and professional development opportunities. See <https://www.ox.ac.uk/about/jobs/working-here>.

Employee Assistance Programme

As part of our wellbeing offering staff get free access to a confidential employee assistance programme, available 24/7 for 365 days a year. Find out more at <https://www.ox.ac.uk/about/jobs/life-in-oxford/healthcare-and-wellbeing>

University Club and sports facilities

Membership of the University Club is free for University staff. It offers social, sporting, and hospitality facilities. Staff can also use the University Sports Centre on Iffley Road at discounted rates, including a fitness centre, powerlifting room, and swimming pool. See www.club.ox.ac.uk and <https://www.sport.ox.ac.uk/>.

Information for staff new to Oxford

Please see our Life in Oxford webpage for information on relocating to and settling into the Oxford area. The website offers valuable guidance, including information on where to find more details about housing, transportation, finances, healthcare, and other key aspects of living in Oxford and the surrounding region. See <https://www.ox.ac.uk/about/jobs/life-in-oxford>

There is also a visa loan scheme to cover the costs of UK visa applications for staff and their dependants. See <https://www.ox.ac.uk/about/jobs/explore-our-careers/applications-process/visas-and-immigration>

Family-friendly benefits

We are a family-friendly employer with one of the most generous family leave schemes in the Higher Education sector (see <https://www.ox.ac.uk/about/jobs/explore-our-careers/applications-process/terms-and-conditions-of-employment>). Our Childcare Services team provides guidance and support on childcare provision, and offers a range of high-quality childcare options at affordable prices for staff. In addition to 5 University nurseries, we partner with a number of local providers to offer in excess of 450 full time nursery places to our staff. Eligible parents are able to pay for childcare through salary sacrifice, further reducing costs. See <https://www.ox.ac.uk/about/jobs/life-in-oxford/childcare-and-schooling/childcare>.

Supporting disability and health-related issues (inc menopause)

We are committed to supporting members of staff with disabilities or long-term health conditions, including those experiencing negative effects of menopause. Contact the University's Staff Disability Advisor at staffdisability@admin.ox.ac.uk for further information.

Staff networks

The University has a number of staff networks including for research staff, BME staff, LGBT+ staff, disabled staff network and those going through menopause.

The University of Oxford Newcomers' Club

The University of Oxford Newcomers' Club is run by volunteers that aims to assist the partners of new staff settle into Oxford, and provides them with an opportunity to meet people and make connections in the local area. See www.newcomers.ox.ac.uk

Research staff

The Researcher Hub supports all researchers on fixed-term contracts. They aim to help you settle in comfortably, make connections, grow as a person, extend your research expertise and approach your next career step with confidence. Find out more <https://www.ox.ac.uk/research/support/researcher-hub/about>