**Job Description and Selection Criteria**

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| Job title | Departmental Lecturer in Logic |
| Division | Mathematical, Physical and Life Sciences |
| Department | Mathematical Institute |
| Location | Andrew Wiles Building, Radcliffe Observatory Quarter, Woodstock Road, Oxford, OX2 6GG. |
| Grade and salary | Grade 8: £43,414 - £51,805 per annum (with discretionary range to £56,592 per annum) |
| Hours | Full time |
| Contract type | Fixed-term (36 months/3 years) |
| Reporting to | Head of Department |
| Vacancy reference | 162955 |
| Additional information | This is a full-time position that cannot be held concurrently with any other substantive post without the explicit permission of the Head of Department.  This post is subject to a 12-month probationary period.  (PLEASE NOTE: Applicants are responsible for contacting their referees and making sure that their letters are received by the closing date) |

## The role

### The Mathematical Institute, University of Oxford, is seeking to appoint a Departmental Lecturer to join its thriving Logic group. The appointment is full time, and available for a fixed period of three years, starting from 1st September 2023 or as soon as possible thereafter.

As Departmental Lecturer, you will play a key role in contributing to the teaching and administration associated with Logic, whilst also having the opportunity to engage in advanced study and academic research in the discipline.

In addition, the post holder will have the opportunity to be appointed to a Supernumerary Fellowship at Wolfson College;

1. To take part in the activities of the college;
2. Supernumerary Fellows A may sit on most College Committees and may stand for the election as one of the six elected members of the Governing Body.
3. Supernumerary Fellows A are expected to act as College Adviser four to ten students.

Supernumerary Fellows A are entitled to a common table allowance (meals in College) up to £24.92 per week.

**Mathematical Logic at Oxford**

The Mathematical Logic group at the Institute consists of Ehud Hrushovski (Head of Group), Jochen Koenigsmann and Jonathan Pila (on leave). Jinhe Ye is a Titchmarsh fellow. The group also includes emeritus professors Hilary Priestley, Alex Wilkie, and Boris Zilber. Jamshid Derakhshan, Robin Knight and Rolf Suabedissen are affiliates.

The main research interests of the Mathematical Logic group are in model theory, with emphasis on the areas adjacent to number theory and algebraic geometry. Affiliate members have interests also in set theory, philosophy of mathematics, and other areas of logic. The group enjoys several links with other research groups in the department.

In addition to the faculty there are, at any one time, several DPhil students and post-docs. There is a weekly junior research seminar, and a ~~logic~~ logic seminar which is given by invited speakers from across the UK and abroad who present recent research in the field. See <https://www.maths.ox.ac.uk/groups/logic> for more details of the Logic research group.

## Responsibilities

The successful candidate will be expected to:

* Lecture, tutor and supervise undergraduate and postgraduate students. The teaching requirement will normally be:
  + - to give not fewer than thirty-two lectures in each academic year in the area of Mathematical Logic;
    - to contribute not fewer than six sets of four classes per annum;
* Undertake advanced academic study to underpin lectures and class teaching
* Produce lecture notes, course materials and reading lists in support of teaching undertaken, and contribute to syllabus development
* Engage in assessment and university examining
* Act as first point of contact for student matters relating to attendance, conduct, coursework, performance, and welfare (referring matters to appropriate others)
* Participate in the graduate student admissions processes
* Modify course design, content, or delivery and propose changes to regulations as appropriate
* Allocate tasks and provide day-to-day supervision as required for the Tutors and Teaching Assistants assigned to the lecture course
* Provide supervision of D.Phil and Masters students in the MMath, MFOCS, and Part C dissertations.
* In support of the development of courses, manage independent research projects or specific areas of research in mathematical logic/pure mathematics, including conducting original research and developing research questions within a specific context
* Identify sources of research income, develop proposals, and make funding applications to secure it
* Write research articles for prestigious peer-reviewed journals, book chapters, and reviews, present papers at conferences, lead seminars to disseminate research findings, and carry out collaborative projects with colleagues in partner institutions, and research groups
* Share in the work of departmental committees, developing academic strategies and policies

## 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 Selection Committee for this process is expected to comprise;

* Professor Ehud Hrushovski (Head of the Mathematical Logic Research Group)
* Professor Emmanuel Breuillard
* Professor Jochen Koenigsmann
* Professor Élisabeth Bouscaren, Université Paris-Sud (external representative)
* Professor Katrin Tent, University of Münster (external representative)

The University is committed to fairness, consistency and transparency in selection decisions. Members of the selection committee are aware of the principles of equality of opportunity, fair selection and the risks of bias.

If, for any reason, you have taken a career break, parental leave 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 experience may be reduced as a result.

### Essential selection criteria

The successful candidate will be expected to meet the following criteria;

* A doctorate in mathematics or a related discipline;
* An aptitude for teaching, and the ability to lecture at an appropriate level in mathematical logic, in an engaging and stimulating manner;
* Evidence of the ability to devise and carry out an independent programme of research;
* An excellent publication record in accordance with the applicant’s career status (including high-quality papers in the last three years);
* Sufficient specialist knowledge in the subject to be able to carry out high-quality research and supervise research projects involving mathematical logic;
* Experience of, and competence in, administration;
* Excellent written and verbal communication skills.

### Desirable selection criteria

* Evidence of the ability to write research proposals
* Experience in the supervision of Master’s level students and above

## Pre-employment screening

### Standard checks

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

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

**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 [www.ox.ac.uk/about/organisation](http://www.ox.ac.uk/about/organisation).

The Mathematical Institute, as Oxford’s Department of Mathematics is known, is one of the  
leading mathematics departments in the world. Our mathematical research, impact and environment have twice been ranked first in the UK, in the 2021 and 2014 Research Excellence Framework exercises, a government review of research in all UK universities. The Mathematical Institute is the focus of research into both fundamental mathematics and its applications, and our inclusive nature and overall size are key factors in the provision of an outstanding research environment for our members. The large number of faculty, postdocs and students in the Mathematical Institute, all supported by excellent facilities, allows us to maintain a critical mass in research groups encompassing a wide spectrum of mathematics, while our integrated nature fosters collaboration between fields. We also host a large number of academic visitors. Our web pages ([www.maths.ox.ac.uk](http://www.maths.ox.ac.uk/)) provide comprehensive information about all of our activities.

The research activities of the Institute as a whole can be gauged from the web pages of the research groups and centres within the Institute ([www.maths.ox.ac.uk/research](http://www.maths.ox.ac.uk/research)). The range of our research interests is well reflected by the profile of our faculty as listed at [www.maths.ox.ac.uk/people](http://www.maths.ox.ac.uk/people). Many members of the Institute have received prestigious prizes and other special recognition for their work; some recent examples can be found at [www.maths.ox.ac.uk/news](http://www.maths.ox.ac.uk/news).

The Mathematical Institute moved into the purpose-built Andrew Wiles Building in the University’s Radcliffe Observatory Quarter in September 2013. As well as providing offices for all staff and graduate students, it houses a range of other facilities available to members of the department, including the Whitehead Library, a large range of meeting rooms, teaching spaces, lecture rooms, and social spaces, and a small laboratory for carrying out table-top experiments. For more information, see [www.maths.ox.ac.uk/about-us](http://www.maths.ox.ac.uk/about-us) .

Teaching is central to the life of the Mathematical Institute and we have around 900 undergraduates on course, some on joint courses with other departments. We teach around 250 students each year across five taught master’s degree courses, and have over 250 doctoral students in residence at any one time. Our doctoral programme always attracts the best research students from across the world, and we have a broad mentoring and training programme.

The Mathematical Institute strives to ensure that all staff and students are given the opportunities and support they need to achieve their potential. We are committed to equality of opportunities and to advancing women’s careers. We support staff returning from long-term absence with teaching relief, offer flexible working arrangements, and the department sponsors University nursery places to support the priority allocation of childcare to our staff. Further information about family support can be found below under University Benefits, Terms and Conditions. Our [Equality, Diversity & Inclusion Committee](http://www.maths.ox.ac.uk/members/good-practice)[[1]](#footnote-2) contributes to many aspects of our work.

As part of the department’s commitment to openness, inclusivity and transparency, we strongly encourage applications from all who consider they meet the requirements of the post, and particularly from women and ethnic minorities.

We have a number of family-friendly policies, such as the right to apply for flexible working, hybrid working, and support for staff returning from periods of extended absence. We are committed to ensuring an inclusive interview process and will reimburse up to £250 towards any additional care costs (for a dependent child or adult) incurred as a result of attending an interview for this position, which may not be applicable if the interviews are held remotely.

For more information on the Mathematical Institute, please visit: [www.maths.ox.ac.uk](http://www.maths.ox.ac.uk)

The Mathematical Institute holds a silver Athena Swan award to recognise advancement of gender equality: representation, progression and success for all.

**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. In the results of the six-yearly UK-wide assessment of university research, REF2014, the MPLS division received the highest overall grade point average (GPA) and the highest GPA for outputs. We received the highest proportion of 4\* outputs, and the highest proportion of 4\* activity overall. More than 50 per cent of MPLS activity was assessed as world leading.

The MPLS Division's 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 addresses major societal and technological challenges and is increasingly focused on key interdisciplinary issues. MPLS is proud to be the home of some of the most creative and innovative scientific thinkers and leaders working in academe.  We have a strong tradition of attracting and nurturing the very best early career researchers who regularly secure prestigious fellowships.

We have around 6,000 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 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. 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/>

## How to Apply

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

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 three referees and indicate whether we can contact them now.

You will also be required to upload a curriculum vitae, list of publications, details of teaching experience, a statement of research interests 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, quoting vacancy reference **162947**.

**Applicants should ask their referees to send their letters of reference DIRECTLY to**

The Recruitment Coordinator (Vacancies)

Mathematical Institute, Andrew Wiles Building, Radcliffe Observatory Quarter, Woodstock Road, Oxford, OX2 6GG. Tel: 01865 273525: Email: [vacancies@maths.ox.ac.uk](mailto:vacancies@maths.ox.ac.uk)

**by the closing date** (a letter by email is sufficient) **quoting the vacancy reference 162947.**

Referees should preferably not, all be from the same institution and whenever possible one should be the applicant’s current, or most recent, supervisor. **NOTE:** **reference letters must be received from your referees by the closing date for your application to be complete.**

All applications must be received by **12.00 noon** UK time on **Monday 20 February 2023**.

Interviews are anticipated to take place in the week commencing **Monday 27 March 2023**.

## 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).

**DATA PROTECTION**: All data supplied by applicants will be used only for the purposes of determining their suitability for the post, and will be held in accordance with the principles of the Data Protection Act 1998 and the department’s data protection policy.

<https://www.maths.ox.ac.uk/members/policies/data-protection/statement>

Due to the large volume of recruitment that the department administers we are unable to provide feedback to non-shortlisted applicants.

## If you need help

Help and support is available from: <https://hrsystems.admin.ox.ac.uk/recruitment-support>

If you require any further assistance please email [recruitment.support@admin.ox.ac.uk](mailto:recruitment.support@admin.ox.ac.uk).

To return to the online application at any stage, please go to: [www.recruit.ox.ac.uk](http://www.recruit.ox.ac.uk/).

Please note that you will receive an automated email from our e-recruitment system to confirm receipt of your application. **Please check your spam/junk mail** if you do not receive this email.

## Important information for candidates

**Data Privacy**

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

**The University’s policy on retirement**

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

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

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

**Equality of opportunity**

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

**Benefits of working at the University**

**Employee benefits**

University employees enjoy 38 days’ paid holiday, generous pension schemes, travel discounts, and a variety of professional development opportunities. Our range of other employee benefits and discounts also includes free entry to the Botanic Gardens and University colleges, and discounts at University museums. See <https://hr.admin.ox.ac.uk/staff-benefits>

## University Club and sports facilities

Membership of the University Club is free for all University staff. The University Club 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](http://www.club.ox.ac.uk) and <https://www.sport.ox.ac.uk/>.

**Information for staff new to Oxford**

If you are relocating to Oxfordshire from overseas or elsewhere in the UK, the University's Welcome Service website includes practical information about settling in the area, including advice on relocation, accommodation, and local schools. See <https://welcome.ox.ac.uk/>

There is also a visa loan scheme to cover the costs of UK visa applications for staff and their dependents. See <https://staffimmigration.admin.ox.ac.uk/visa-loan-scheme>

**Family-friendly benefits**

With one of the most generous family leave schemes in the Higher Education sector, and a range of flexible working options, Oxford aims to be a family-friendly employer. We also subscribe 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. See <https://hr.admin.ox.ac.uk/my-family-care> C

The University has excellent childcare services, including five University nurseries as well as University-supported places at many other private nurseries.

For full details, including how to apply and the costs, see <https://childcare.admin.ox.ac.uk/>

**Disabled staff**

We are committed to supporting members of staff with disabilities or long-term health conditions. For further details, including information about how to make contact, in confidence, with the University’s Staff Disability Advisor, see <https://edu.admin.ox.ac.uk/disability-support>

**Staff networks**

The University has a number of staff networks including the Oxford Research Staff Society, BME staff network, LGBT+ staff network and a disabled staff network. You can find more information at <https://edu.admin.ox.ac.uk/networks>

**The University of Oxford Newcomers' Club**

The University of Oxford Newcomers' Club is an organisation 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](http://www.newcomers.ox.ac.uk).

1. The Mathematical Institute was a founding supporter of the London Mathematical Society’s Good Practice Scheme ([www.lms.ac.uk/women/good-practice-scheme](http://www.lms.ac.uk/women/good-practice-scheme)). We have held an Athena SWAN Silver Award since 2016. [↑](#footnote-ref-2)