Job title | Senior Informatician  
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Division | Medical Sciences  
Department | Nuffield Department of Medicine (NDM) Structural Genomics Consortium  
Location | Old Road Campus Research Building, Old Road Campus, Roosevelt Drive, Headington, Oxford, OX3 7DQ  
Grade and salary | Grade 8: £41,526 - £49,553 per annum  
Hours | Full time  
Contract type | Fixed-term until 30th June 2022  
Reporting to | PI Research Informatics  
Vacancy reference | 143500  
Additional information | Funded by the Department

The role

To take the lead in providing informatics expertise to the SGC’s multi-disciplinary team by engaging with key stakeholders to identify unmet biomedical problems which can be assisted by the application of bioinformatic and cheminformatic solutions. The Senior Informatician will be responsible for managing the delivery of such solutions by the SGC Oxford research informatics team (Web Developer, Research Data Manager, Research Data Analyst, Commercial LIMS developer, and IT Technician). You will be responsible for designing timelines and liaising with principle investigators and directors throughout the lifecycle of each informatics solution.

Responsibilities

- Identify, define and plan new projects which contribute to the overall aims of the SGC
- Advise SGC scientists on informatics matters on a day-to-day basis
- Supervise informaticians, programmers and IT staff on a day-to-day basis
• Agree clear task objectives, organise, and delegate work to other members of the team and coach other members of the group on specialist methodologies or procedures

• Develop and manage novel methodologies for data collection and interpretation in collaboration with members of the SGC research team within Oxford and other SGC sites, including management of the global SGC target list

• Develop or tailor analytical tools and resources appropriate to the work

• Lead and manage informatics collaborations and contracts with third parties

• Ensure compliance with the SGC, NDM and University Information Security policies and strategies on a day to day basis in conjunction with the SGC Information Security Officer

• Identify and troubleshoot technical or scientific problems, working collaboratively with IT and informatics experts

• Contribute to discussions planning the overall aims and objectives of the SGC

• Share responsibility for shaping the Research Informatics’ group plans and the writing of group-funding applications for new research projects

• Collate and report progress to senior SGC management on SGC deliverables and metrics on a quarterly basis

• Provide informatics input into outline and full grant proposals for the SGC

• Contribute to the production of scientific reports and publications for high profile journals, including taking leadership in more specialised publications on novel aspects of informatics.

• Attend scientific seminars, meetings and to contribute to presentations or other means of disseminating results as appropriate

Selection criteria

Essential selection criteria

• A PhD in a relevant scientific subject

• An in-depth understanding of two or more of the following: bioinformatics, molecular biology, biochemistry, structural biology, cheminformatics, medicinal chemistry, molecular modelling

• Possess sufficient specialist knowledge in the discipline to develop research projects and methodologies

• Ability to independently plan and manage a research project, including a research budget

• Demonstrate success in rapidly defining, developing and implementing software projects outside of the applicants core skillset
• Strong ability to rapidly program in two or more of the following languages: Python, C, C++, JavaScript, Ruby, Perl

• An understanding of good graphical user interface design and functionality

• A working knowledge of version control systems such as subversion, CVS, git and mercurial

• Experience in maintaining and developing for RDBMS platforms including Oracle and MySQL

• Working knowledge of coding under Linux and Windows

• Research experience and a publication record

• Ability to supervise staff

Desirable selection criteria

• Experience of contributing to grant proposals

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. Income from external research contracts in 2016/17 exceeded £564m and we rank first in the UK for university spinouts, with more than 130 companies created to date. 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).

Medical Sciences

The Medical Sciences Division is an internationally recognized centre of excellence for biomedical and clinical research and teaching. We are the largest academic division in the University of Oxford

World-leading programmes, housed in state-of-the-art facilities, cover the full range of scientific endeavour from the molecule to the population. With our NHS partners we also foster the highest possible standards in patient care.
For more information please visit: www.medsci.ox.ac.uk

**Nuffield Department of Clinical Medicine (NDM)…fostering your career in science**

The Nuffield Department of Clinical Medicine (NDM) is one of the largest departments of the University of Oxford and is part of the Medical Sciences Division, with responsibility for a significant part of the teaching of clinical students within the Medical School.

NDM has significant financial turnover and complexity, resulting from its diverse research portfolio, its geographical spread and its close links with NHS funding and strategic teams involved in the development and delivery of increasingly integrated clinical research platforms. For more information please visit: http://www.ndm.ox.ac.uk/home

The Nuffield Department of Clinical Medicine has been presented with a Departmental Athena SWAN Silver award in recognition of the commitment made to promote gender equality through our organisational and cultural practices and our efforts to improve the working environment for both men and women. For more information please see our Departmental Athena SWAN pages: www.ndm.ox.ac.uk/working-for-ndm/aboutndmatheneswan/.

**Structural Genomics Consortium (SGC)**

The Structural Genomics Consortium (SGC), a not-for-profit, public-private partnership funds pre-competitive research that contributes to new hypotheses in understanding and treating human disease, and the subsequent identification of new targets for drug discovery. The SGC supports pioneering research at the University of Oxford (UK), University of Toronto (Canada), University of Campinas (Brazil), and University of North Carolina (USA). The reagents and knowledge related to human proteins that the SGC supports are made openly accessible to researchers around the world to accelerate the discovery of new medicines in order to bring potentially life-saving drugs to market faster and at a lower cost.

SGC Oxford, a part of the Nuffield Department of Clinical Medicine, receives funding from public, charitable and private sector organisations such as the European Commission, UK Research Councils, Wellcome Trust, and pharmaceutical companies. Research in SGC Oxford is focused on the production and characterisation of the 3-dimensional structures of soluble and of integral membrane proteins, the discovery of selective chemical probes that can modulate protein function, and the development of target enabling packages that transform genetic hits into starting points for drug discovery. SGC Oxford shares its research outputs through collaborations with researchers worldwide.

For more information please visit: http://www.thesgc.org/scientists/groups/oxford/

**How to apply**

Before submitting an application, you may find it helpful to read the ‘Tips on applying for a job at the University of Oxford’ document, at http://www.ox.ac.uk/about_the_university/jobs/research/,
http://www.ox.ac.uk/about_the_university/jobs/professionalandmanagement/,
http://www.ox.ac.uk/about_the_university/jobs/supportandtechnical/
If you would like to apply, click on the **Apply Now** button on the ‘Job Details’ page and follow the on-screen instructions to register as a new user or log-in if you have applied previously. Please provide details of two referees and indicate whether we can contact them now.

You will also be asked to upload a CV and a supporting statement. The supporting statement must explain how you meet each of the selection criteria for the post using examples of your skills and experience. This may include experience gained in employment, education, or during career breaks (such as time out to care for dependants).

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

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

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

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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).*

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Should you experience any difficulties using the online application system, please email [*recruitment.support@admin.ox.ac.uk*](mailto:recruitment.support@admin.ox.ac.uk). Further help and support is available from [*www.ox.ac.uk/about_the_university/jobs/support/.*](http://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.*](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: www.admin.ox.ac.uk/councilsec/compliance/gdpr/privacynotices/job/. The University’s Policy on Data Protection is available at: www.admin.ox.ac.uk/councilsec/compliance/gdpr/universitypolicyondataprotection/.

The University’s policy on retirement

The University operates an Employer Justified Retirement Age (EJRA) for all academic posts and some academic-related posts. The University has adopted an EJRA of 30 September before the 69th birthday for all academic and academic-related staff in posts at grade 8 and above. The justification for this is explained at: www.admin.ox.ac.uk/personnel/end/retirement/acrelretire8+/

For existing employees, any employment beyond the retirement age is subject to approval through the procedures: www.admin.ox.ac.uk/personnel/end/retirement/acrelretire8+/

There is no normal or fixed age at which staff in posts at grades 1–7 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 www.admin.ox.ac.uk/personnel/staffinfo/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 and www.sport.ox.ac.uk/oxford-university-sports-facilities.

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 www.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 www.admin.ox.ac.uk/personnel/permits/reimburse&loanscheme/.

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 www.admin.ox.ac.uk/personnel/staffinfo/benefits/family/mfc/.

Childcare

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 www.admin.ox.ac.uk/childcare/.

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 www.admin.ox.ac.uk/eop/disab/staff.

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 www.admin.ox.ac.uk/eop/inpractice/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.