Lecturer (Assistant Professor) in Immunology and Infection
Department of Biology/Hull York Medical School

Closing date: 8 April 2018
Interview date: TBC
Vacancy reference: 6475
A vacancy exists for a fixed term full time position in immunology and infection in the group of Professor Paul Kaye. The post is available from 1st May 2018 for 24 months in the first instance (with possibility of renewal until March 2022), as cover for Professor Kaye during his secondment as Chair of the MRC’s Infection and Immunity Board.

You will provide teaching cover for Professor Kaye, equivalent to ~40% of working time. This will include lectures, supervisions and tutorials, workshops, exam / essay setting and marking and research project supervision, primarily for students on the joint HYMS/Biology BSc in Biomedical Sciences and for HYMS MBBS students. For ~60% of your time you will be engaged in a research project on leishmaniasis. The Kaye group conducts research that spanning fundamental immunology through to vaccine trials in endemic countries. Applicants with interests in any appropriate area of immunology or cell and molecular biology are encouraged to apply. Details of the research project will be finalised with the successful candidate. We are particularly interested, however, in exploiting new technologies such as CRISPR/Cas9 editing or mass spectroscopy imaging. Previous experience working with Leishmania is not required, but you should hold a Home Office personal licence and be experienced with the use of murine models to study immunology and infection.

You should be ambitious, and have a demonstrated track record of competitive research and the capacity to teach across a broad spectrum of topics in immunology. As appropriate, you will be encouraged to develop your own research ideas over the course of the funding period, to support future independent fellowship applications.
At a glance

Salary: £38,832—£47,722 a year
Hours of work: 37 a week
Contract type: Fixed-term—24 months
Based at: University of York—Campus West

Main purpose of the role

- To lecture, lead seminars, workshops, tutorials, demonstrate and other forms of undergraduate and postgraduate teaching to cover Prof Kaye’s teaching responsibilities where appropriate.
- To contribute to and/or lead on the production of research outputs and research outcomes.
- To participate actively in the planning and management of research projects, including supervising the work (including undergraduate / Masters projects) of others and providing expert advice and guidance.
- To contribute to obtaining external research funding.

Key responsibilities

Research and Scholarship

- To develop and promote the research activities of the department by developing a personal research plan in collaboration with Prof Kaye, as part of his larger research team.
- To plan and undertake research activities in accordance with a specific project plan.
- To develop innovative research proposals, identify and support applications for external sources of funding.
- To publish original research in appropriate journals or other relevant media and attend meetings where appropriate for the purpose of disseminating research results or for personal development.

Teaching and Promotion of Learning

- To apply and where appropriate develop teaching materials, techniques and module design and take responsibility for the quality of the provision.
- To plan, deliver and critically review a range of teaching and assessment activities.
- To undertake academic supervision of students (including undergraduate research students) and act as a supervisor within own specialist subject area.
- To set and mark practical sessions, supervisions and examinations and provide constructive feedback to students.
- To identify areas where current teaching provision is in need of revision or improvement and propose and implement improvements.

Management and Administration

- To undertake teaching administrative duties and be responsible for the design, development and management of departmental teaching modules, if required.
- To contribute to the recruitment and selection of research and teaching staff if required.
- To contribute to the administration and management of the department in cover of Prof Kaye’s responsibilities.
- To advise, supervise and give guidance to other departmental staff as appropriate.
- To develop and build internal and external contacts.
## PERSON SPECIFICATION

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<thead>
<tr>
<th>Qualifications</th>
<th>Essential / Desirable</th>
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<tr>
<td>PhD in Immunology or related disciplines</td>
<td>Essential</td>
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<tr>
<td>Appropriate academic, professional or teaching qualification</td>
<td>Desirable</td>
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### Knowledge

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<tr>
<td>Detailed knowledge of immunology and infection (including translational aspects) to develop teaching and provide relevant learning support to students across different levels of academic ability</td>
<td>Essential</td>
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<tr>
<td>Knowledge of a range of immunology and molecular biology research techniques and methodologies</td>
<td>Essential</td>
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<tr>
<td>Research expertise in an area that will complement and enhance Prof Kaye’s research activities</td>
<td>Essential</td>
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<td>Knowledge of murine models of disease</td>
<td>Essential</td>
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<td>Knowledge of Home Office licensee responsibilities</td>
<td>Essential</td>
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<td>Knowledge of ACDP HG2/3 requirements</td>
<td>Essential</td>
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<td>Knowledge of a range of teaching techniques to enthuse and engage students</td>
<td>Essential</td>
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### Skills, abilities and competencies

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<th>Essential / Desirable</th>
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<tr>
<td>Ability to plan, manage, organise and assess own teaching contributions</td>
<td>Essential</td>
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<td>Ability to develop research objectives, projects and proposals</td>
<td>Essential</td>
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<td>Highly developed oral and written communication skills, including ability to write and/or contribute to publications and/or to disseminate research findings using other appropriate media</td>
<td>Essential</td>
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<td>Ability to deliver presentations at conferences or exhibit work at other appropriate events internally and externally</td>
<td>Essential</td>
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<td>Ability to design and supervise BSc and MSc level laboratory based projects</td>
<td>Essential</td>
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### Experience

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<tr>
<td>Experience in teaching and learning in HE at undergraduate and/or postgraduate level or in an evidenced similar context</td>
<td>Desirable</td>
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<td>Experience of using different delivery techniques to enthuse and engage students</td>
<td>Desirable</td>
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<td>Evidence of successful planning and designing teaching material</td>
<td>Desirable</td>
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<td>Proven ability to work independently and creatively, using problem solving and analytical skills</td>
<td>Essential</td>
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<tr>
<td>Excellent Computer skills over a wide range of standard software, including Microsoft Office applications</td>
<td>Essential</td>
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<tr>
<td>A high standard of written and verbal communication skills in English</td>
<td>Essential</td>
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<tr>
<td>Excellent time-management skills; ability to prioritise own work in response to deadlines</td>
<td>Essential</td>
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<tr>
<td>Proven skills in immunology, cell and/or molecular biology, evidenced by high quality publications</td>
<td>Essential</td>
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# PERSON SPECIFICATION

## Personal attributes

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<th>Essential / Desirable</th>
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<tr>
<td>Show attention to detail and commitment to high quality</td>
<td>Essential</td>
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<tr>
<td>Display creativity, initiative and judgement in applying appropriate approaches to</td>
<td>Essential</td>
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<tr>
<td>teaching, learning support and scholarly activities</td>
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<td>Positive attitude to colleagues and students</td>
<td>Essential</td>
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<td>Willingness to work proactively with colleagues in other work areas/institutions</td>
<td>Essential</td>
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<td>Ability to plan and prioritise own work in order to meet deadlines</td>
<td>Essential</td>
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<tr>
<td>Commitment to personal development and updating of knowledge and skills</td>
<td>Essential</td>
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<td>Collaborative ethos</td>
<td>Essential</td>
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Hull York Medical School

Hull York Medical School is committed to transforming the health of people within the region and beyond – through its students, staff and the impact of its teaching and research. The joint medical school of the Universities of Hull and York, Hull York Medical School has a reputation as one of the UKs most exciting, contemporary schools. It was established in 2003 – combining York’s strengths in biological science and health sciences and Hull’s clinical base. Since it was established, it has been inspiring doctors and academic leaders of the future with the research, skills and knowledge they need to look at things differently and advance improvements in healthcare around the world.

Centre for Immunology and Infection
(www.york.ac.uk/cii)

The Centre for Immunology and Infection Unit (CII) is an Interdepartmental Centre created by the Hull York Medical School and the Department of Biology at the University of York. Research within the CII ranges from fundamental studies on immunology, microbiology and parasitology through to first-in-man clinical research. Our aim is to develop a greater understanding of the processes underlying chronic infectious and non-infectious disease, and thus to develop new approaches to prevention and treatment.

Supported by major infrastructure investment the Centre was established in 2004 and expanded into additional purpose built accommodation in 2010. Within the current 2000m2 of research and office space, we have excellent facilities for research on ACDP HG3 organisms. Proximity to the Biosciences Technology Facility and Biological Services Facility of the Dept. of Biology ensure ready access to state of the art and well-supported cutting edge technology platforms (http://www.york.ac.uk/biology/technology-facility/) and animal facilities (to HG3). Research in the CII has a focus on chronic diseases of infectious, autoimmune and hematological origin.
THE DEPARTMENT

Staff with a direct interest in leishmaniasis research include Kaye (WT SIA and Translation Award, MRC DPFS, EDCTP; immunology), Mottram (WT IA, MRC Programme Grant, WT Strategy Award; molecular parasitology) Walrad (Anniversary Lecturer and MRC NIRG; molecular parasitology), and Lagos (Lecturer and MRC NIRG; miRNAs). Thus, the CII provides both a scientifically rich environment to support research and one that is highly supportive of the career development of young researchers.

Department of Biology (www.york.ac.uk)

Following the 2014 REF the Department of Biology at York has again been placed in the Top 10 in the UK. It is 1st for impact outside academia - our research has had major influence on environmental policy, industry and health. This demonstrates our strengths across the biological sciences: from ecology to biochemistry, biotechnology and biomedical sciences.

Biology at York is in fourth place in the Guardian UK University Guide 2015 league table. The University of York is also ranked fourth place in the 2015 Complete University Guide.

The Department of Biology covers the spectrum of contemporary biological sciences with no internal barriers, and collaboration within the Department is strongly encouraged. Our Department comprises approximately 58 academic staff, 1 independently funded research fellow, 7 teaching fellows, 85 research associates, 170 support (technical, professional and administrative) staff, 180 graduate students, and approximately 863 undergraduates. Several senior positions are funded by charities or industry.

The Department has successfully continued to establish new laboratory space and refurbish our existing space. A new £6M teaching wing, with state of the art laboratory facilities, opened in 2014 and a second teaching building with innovative dry teaching spaces was opened in 2016 to accommodate increasing numbers of students enrolled on our BSc Biomedical Sciences and Natural Sciences courses.

A further major £25M development included the establishment of the Technology Facility which provides ready access to a wide range of cutting edge equipment, technology and associated expertise. With six specialist laboratories, 2,000m2 of laboratory space and dedicated Laboratory Heads and technicians, the Technology Facility is an integrated part of how we undertake research in the Department. The six laboratories comprise: Imaging and Cytometry, Proteomics, Genomics, Protein Production,
THE DEPARTMENT

Molecular Interactions, and Bioinformatics. Full details of the Technology Facility can be found at http://www.york.ac.uk/biology/technology-facility/

The Department of Biology operates a set of family-friendly policies and welcomes applications that are made on a part-time and job share basis. We will do our best to accommodate such requests where possible.

Staff working patterns are flexible and a formal flexitime system is also in operation. We provide support and advice for staff taking maternity, paternity, adoption and parental leave, and the University has a nursery and a Child Care voucher scheme.

The Department strives to address gender inequalities and ensure that there is a culture that supports equality and encourages better representation throughout the department. Support for women at all stages of their career is recognised as being extremely important.

For further information please refer to our information on Athena Swan https://www.york.ac.uk/biology/equality-diversity/

Further information about the department is available at: http://www.york.ac.uk/biology/
Founded on principles of excellence, equality and opportunity for all, the University of York opened in 1963 with just 230 students. In 2017 it is the home of more than 17,000 students across more than 30 academic departments and research centres. Since opening over fifty years ago, we have become one of the world’s leading universities and a member of the prestigious Russell Group.

We are consistently recognised as one of the leading Higher Education Institutes and one of just six post-war universities which appear in the world top 100 (2013-14) and 15th in the Times & Sunday Times league table (2016). The University of York has won six Times Higher Education (THE) Awards and five Queen’s Anniversary Prizes.

The University is proud of its association with Athena SWAN, holding 12 awards in support of gender equality, representation and success for all, with gold awards for Chemistry and Biology and a University-wide bronze award.

Of 154 universities that took part in the Research Excellence Framework (REF) in 2014, The University of York ranked 14th overall and 10th for the impact of our research. The University is consistently in the top ten UK research universities and attracts over £60m a year of funding from research alone.

Our vision is to make the University of York a world leader in the creation of knowledge through fundamental and applied research, the sharing of knowledge by teaching students from varied backgrounds and the application of knowledge for the health, prosperity and well-being of people and society.
Attractive workplace

Centred around the picturesque village of Heslington on the edge of the city of York, our colleges are set in an attractive landscaped campus. York enjoys a safe, friendly atmosphere with facilities including bars, shops, theatres and concert halls all within easy walking distance.

The University has undergone an unprecedented period of expansion and renewal since 2000. We have invested in twenty new buildings on the original campus and have completed the first and second phases of a £750m campus expansion. Our investment in new colleges, teaching and learning spaces, laboratories, research facilities and a new sports village mean there has never been a better time to join us.

During this period of change we’ve worked hard to retain our friendly, informal and collegiate atmosphere, which is important to our core values of inclusivity and interdisciplinarity.

We have a thriving international community and are committed to providing staff moving to York with as much support as possible through our Relocation Package and Welcome Officers.

The University aims to offer a nurturing and supportive environment as an employer. Flexible working hours, nursery facilities, childcare vouchers, cycle to work scheme, generous holidays and an attractive pension scheme all make the University of York one of the region’s leading employers.

For further information please visit our employee benefit pages.
The City of York
Internationally acclaimed for its rich heritage and historic architecture, York's bustling streets are filled with visitors from all over the world. Within its medieval walls you will find the iconic gothic Minster, Clifford's Tower and the Shambles - just a few of the many attractions.

But York isn't just a great place to visit - it's also a great place to live and work. While nourishing a vibrant cosmopolitan atmosphere, York still maintains the friendly sense of community unique to a small city.

Visit www.visityork.org for more information on the city of York

Shopping, culture and entertainment
York boasts specialist and unique boutiques but also all the high street stores on its busy shopping streets. Alongside them you will find cinemas, theatres, an opera house, art galleries, a vast range of restaurants, live music venues and clubs. York is particularly renowned for its multitude of pubs and bars, from the modern to the medieval.

Housing and schools
Whether you choose to live close to the city, in one of the surrounding villages or further afield, you will find a wide range of housing within comfortable distance of York and the University. For families, the area has a range of excellent schools both in the state and independent sector.

Great location
York is one of Britain's best-connected cities. Halfway between London and Edinburgh on the East Coast mainline, on intercity trains you can reach London King's Cross in less than two hours and Edinburgh in two and a half hours. York is also well served by road links, and it is easily accessible from the A1, M1 and the M62.

For those travelling from overseas, Manchester Airport is two hours away and Heathrow Airport just three and a half. Flights from nearby Leeds Bradford Airport provide easy access to mainland Europe. By Eurostar from London St Pancras, Paris is just over six hours away.

Yorkshire
The Lonely Planet guide recently declared Yorkshire the third best region in the world to visit. There is something to cater to every taste, whether it be the rugged landscapes of the Moors or the Dales, the picturesque seaside towns of Scarborough and Robin Hoods Bay, the gothic architecture of Whitby or the vibrancy of cosmopolitan Leeds.
Apply online

- Go to https://jobs.york.ac.uk
- Find this job using reference 6475
- Complete the online application form

You will need to submit your completed application by midnight (local UK time) on 8 April 2018.

What will I need?

You will need to upload:

- your CV
- a letter describing how you meet the requirements of the job

You will also need details of 3 referees.

Help and assistance

Direct any informal queries to Professor Paul Kaye
paul.kaye@york.ac.uk

If you have any questions about your application, contact the HR Services team:

recruitment@york.ac.uk
+44 (0)1904 324835