### Job description

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<th>Post title and post number</th>
<th>Anatomy Demonstrator - 962</th>
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| Organisation advertising Description | School of Immunity and Infection  
College of Medical and Dental Sciences |
| Post number | 962 |
| Full-time/Part-time | Full time |
| Duration of post | Fixed term until June 2016 |
| Post is open to | Internal and external candidates |
| Grade | 6 |
| Salary | Starting salary is normally in the range £25,513 to £27,864. With potential progression once in post to £31,342 a year. |
| Terms and conditions | Administrative and Other Related |
| Closing date | 27 February 2015 |

### Job summary

This is a fixed term post until **June 2016**, suitable for individuals wishing to develop their skills in Anatomy as a basis for further career development. The main responsibility will be to teach Anatomy, including Topographical Anatomy, Neuroanatomy and Histology/Cell Biology by means of small group teaching sessions and demonstration of prosected cadaveric material to undergraduate and postgraduate Medical, Dental and Science students in modularised courses run within the School of Medicine. There will also be an opportunity to assist in the preparation of prossections.

The Department of Anatomy is responsible for teaching gross and topographical anatomy, histology and neuroanatomy to first and second year pre-clinical students studying for degrees in Medicine and Dentistry and students in years 1 – 3 of a new MSc Pharmacy course. In addition we teach Biomedical Materials students and Medical Science students studying for the degree of BMedSc. Anatomy is mainly taught through small group teaching with some lectures. There is a systems-based approach to most teaching, which is organised in discrete modules, for instance Digestion, Cardiovascular, and Neuroscience, but there are also two Regional Anatomy modules for medical students. We provide the anatomy component within each of these modules. Anatomy is taught in small groups of 16 students whom you will see regularly throughout any one module, but will rotate between modules. Students receive a worksheet – using this they should have read and completed preparatory work for and the small group sessions, demonstrators present an overview of the session and provide feedback on student learning through discussion.
in classes that last either one or two hours. Various resources are provided - these include models, plastinated specimens, prosectorium sessions, reference books, posters, skeleton, CDs etc, and our aim is to increase understanding and integration of anatomy with other aspects of the course. We include a clinical correlation in the medical teaching worksheets, to illustrate points of applied anatomy. Histology is taught via video units set up in each teaching room, and the videos will be used to provide short introductory teaching in some modules. Periodically, students hand in pieces of work to be assessed and completed tasks are also marked. At the end of each semester there is an examination period and you will be asked to help mark exam papers during this period. Some second year students have an anatomy viva in which you will be involved.

All students visit the recently refurbished dissection rooms where prosected specimens are demonstrated in order to illustrate three-dimensional anatomy. Fifteen students a year are involved in a special study module involving dissection; you may be involved in overseeing some student dissection within this module. Other Special Study Modules are offered and demonstrators are encouraged to help develop and run these.

You will be encouraged to dissect yourself in order to produce the prosections for teaching purposes both as wet specimens and for plastination.

To contribute to elements of teaching within a clear and established teaching programme (set by the academic responsible for the course, who supervises and manages the role-holder).

**Main duties**

- To teach Anatomy to first and second year students on the MBChB and Dental and Pharmacy programmes and first second and third years on the BMedSc and Biomaterials programmes. This will involve teaching students in small groups of 16 and covering where necessary.
- Supervise class activities within a framework designed by others.
- To record attendance and monitor progress of students at small group teaching sessions and prosections
- To undertake dissections used for teaching purposes.
- Assist students as required offering advice to help them with learning problems.
- To assist the College Lead in Anatomy in other matters relating to the instruction of Anatomy, as required
- Provide support to staff engaged in teaching.
- To mark assessments and examination papers, applying assessment criteria, as directed. (If the marking is summative, including assessed work contributing to the final award – as a mark or a credit – such as unseen examinations, essays, dissertations or presentations, then the role-holder’s marking is subject to validation by the academic supervisor.)
- To undertake second year vivas
- To invigilate assessments and end of year examinations as required
- Update own subject knowledge, and to develop own teaching expertise.
- Carry out administrative tasks related directly to the delivery of teaching
Scope of the Role

- Teaching support to academic staff.
- Work within a clear and established teaching programme set by the academic responsible for the course, who supervises and manages the role-holder. The academic supervisor, not the role-holder, is responsible for designing the course content, mode of delivery, and assessment criteria and arrangements.

Person specification

- A medical or dental degree and/or a degree in Anatomy or a related subject with sufficient and relevant clinical experience.
- Practical experience of applying the relevant skills and techniques for the role.
- Excellent communication skills and the ability to analyse information and communicate effectively.
- Ability to access and organise resources successfully.
- Strong initiative and good teamwork skills.
- Flexibility and a willingness to work extra hours as required during busy periods
- A commitment to the delivery of high quality teaching

Planning and Organising

- Plan own day to day activity within the framework of the established course programme, as set by the academic responsible for the course.
- Timescales for most activities will range from 1 to 6 months in advance.

Decision Making

- Teaching support within a clear and established teaching programme.
- Will use the assigned resources within defined limits.
- Using marking scheme to assess and mark work within defined limits
- Decide in consultation with the academic supervisor on the most appropriate way of undertaking the specified teaching, including the appropriate teaching methods for groups of undergraduates, postgraduates or CPD students.
- Decisions in consultation with the academic supervisor on assessments further than the marking scheme provides
- In consultation with the academic supervisor assess and organise resources.
- Monitor student progress and note any causes of concerns

Internal and external Relationships

- Receive direction from academic supervisor.
- Liaise with support staff on routine matters connected with the delivery of teaching.
- Attend and contribute to relevant meetings.
- Delivery of teaching to students.
The organisation

The University of Birmingham is a thriving and dynamic institution that combines over a century of heritage with one of the most compelling and ambitious agendas in higher education. Ranked amongst the world’s top 100 institutions, the University is structured to promote faster decision making and to enable it to capitalise on its academic range and financial strength. The University is organised into five academic colleges, with a University Executive Board, led by our Vice-Chancellor, Professor David Eastwood.

Central to our agenda is the development of the University’s five-year strategic plan ‘Shaping Our Future: Birmingham 2015’, that builds upon an existing and ambitious programme of change, ‘Sustainable Excellence’, developed to establish Birmingham as a leading global university.

The strategic plan is based around five mutually supportive goals: enhancing research power; providing students with a distinctive, high-quality experience; sustaining and utilising financial strength; enhancing performance as an engaged university; and becoming the destination of choice amongst our peers. The confidence of the University’s ambition is, in part, underpinned by one of the strongest financial positions in the UK HE sector. The University is currently forecasting a turnover of £460 million for the financial year 2011/2012 and carries significant cash surpluses with no borrowings. This is enabling it to invest in high-quality research and to enhance still further the educational experience for its students, as well as to continue to improve its estate and infrastructure, despite the prevailing economic conditions.

Over 90% of Birmingham’s research was rated as world leading or of international quality in the 2008 UK Research Assessment Exercise (RAE). With world-leading activity across a range of subjects, it remains one of the UK’s most broadly-based research-led universities.

The University’s cultural and intellectual assets include the Shakespeare Institute at Stratford-upon-Avon, the Barber Institute of Fine Arts on campus and the Ironbridge Institute in Shropshire. The University also boasts the internationally renowned Lapworth Museum of Geology and Winterbourne House and Garden, a unique Edwardian heritage attraction that is home to over 6,000 plant species from around the world. In total the University’s economic value to its region is £780 million.

Founded in 1900 and believed to be the UK’s first redbrick university, Birmingham established a new model for higher education, breaking away from the Oxbridge tradition. Through the foresight of our founders we have inherited one of our greatest assets – our beautiful parkland campus, which is currently undergoing a £175 million enhancement programme that includes the new Bramall Music Building, a new sports
centre containing the city’s first 50m swimming pool and a proposed library development to provide outstanding facilities for students and researchers alongside an open access cultural hub with facilities available to the public.

The University was founded through philanthropy and fundraising. This is just as important today. Birmingham’s ‘Circles of Influence’ campaign has raised over £60 million since its launch in 2009 and continues to provide funding for five priority areas – Health and Lifestyle; Children and Young People; Heritage, Culture and Sport; Student Support; and Innovation and Immediate Impact.

With 28,000 students from 150 countries, the quality of the student experience offered at the University of Birmingham remains of paramount importance. The University is one of the leading members of the Russell Group in terms of the size of its graduate school and the quality of its student experience as shown by the National Student Survey. As well as high-quality teaching, students also enjoy an enriched experience through other activities such as sport, for which Birmingham is ranked second in the UK.

As Birmingham seeks to extend its global footprint further it is investing in its international strategy, having established overseas offices in India, China and Brussels. These new offices are developing existing contacts and forging new partnerships with academic colleagues and businesses across the Asia Pacific Region and into Australasia. Birmingham is also building strategic partnerships in North America (notably Chicago) and through its membership of Universitas 21.

**The city of Birmingham**

Birmingham is a major European centre and the second city of the United Kingdom. It is a city of business and ballet, canals and world-class concerts, jewellery and jazz, historical interest and cosmopolitan atmosphere. Birmingham is also the ideal base for exploring one of Britain’s most fascinating regions for tourism, being within an hour’s drive of Stratford-upon-Avon, Warwick, the Potteries, and the Cotswolds.

The new heart of Birmingham is symbolised by Symphony Hall, considered one of the greatest concert venues in the world. Symphony Hall forms part of the impressive International Convention Centre, which overlooks attractive canals at the hub of the UK’s canal network. This setting is a very suitable venue for the CBSO, the globally respected symphony orchestra. At the magnificent Hippodrome Theatre is the internationally renowned Birmingham Royal Ballet, adding further cultural depth to the city. Apart from London’s West End, Birmingham boasts the highest concentration of live theatre in the UK, including regular tours by the major opera companies.

The City Museum and Art Gallery houses the world’s finest collection of Pre-Raphaelite paintings, alongside a major collection of Old Masters, Modern and Contemporary pictures. The Barber Institute of Fine Arts houses one of the best UK
university collections of Impressionist and Renaissance art. The restored Gas Hall Gallery has international touring exhibitions, while the Halcyon and Ikon galleries feature innovative contemporary works. National landmark sites abound, including the National Indoor Arena, the National Exhibition Centre, National Motorcycle Museum, National Car Heritage Museum and the National Sealife Centre.

The iconic Bullring Centre is the largest dedicated shopping facility in Europe. Sports and recreation are well served; the city offers international Test cricket, top-flight football, International Championship golf and top-class rugby. The International Convention Centre and National Indoor Arena have spawned a whole new Downtown area at the centre of the city. The National Exhibition Centre, on the outskirts to the city, remains one of the largest exhibition facilities in Europe.

Birmingham is at the crossroads of the UK’s motorways. From Birmingham International Airport, more than a dozen different airlines operate scheduled services to 60 destinations worldwide. The University is the only mainland UK university to have its own railway station, while 50 million passengers a year use Birmingham New Street Station, which will be at the centre of the proposed high speed rail network. London is 90 minutes away by shuttle service, with trains every 20 minutes until the evening. There is a high standard of all types of private accommodation, with high-quality affordable family housing in several attractive residential suburbs. Public parks and large domestic gardens are a special feature of this greenest of European cities. Quality public and private schools are widely available, with several consistently rated in the top 10 on examination performance in annual league tables of England and Wales.

The College of Medical and Dental Sciences

The University’s structure is one of Colleges and Schools, and the College of Medical and Dental Sciences contains five Schools that cover the whole range of pre-clinical and clinical disciplines:

- School of Cancer Sciences
- School of Clinical and Experimental Medicine
- School of Dentistry
- School of Health and Population Sciences
- School of Immunity and Infection

The principal base of the College lies immediately between the main campus of the University and the new Queen Elizabeth Hospital, University Hospitals Birmingham NHS Foundation Trust. Other key NHS Trust buildings on the same campus include Birmingham Women's NHS Foundation Trust and the Birmingham and Solihull Mental Health NHS Foundation Trust’s Barberry Hospital which is part of the National Centre for Mental Health – Birmingham.
**Research**

The College of Medical and Dental Sciences is the largest of the University’s five Colleges and, with over 800 researchers and in excess of £66M research funding per year, it represents a major international centre for biomedical research.

Our overall research objective is to develop and promote excellence in basic and clinical science with an ultimate goal of delivering improvements in human health. We take pride in a truly translational pipeline, delivering cutting edge clinical trials and patient studies, underpinned by cell and molecular biology research on both model organisms and humans.

Strategically, our research encompasses seven major internationally-renowned research domains:

- Cancer
- Genetics and Development
- Health and Population Sciences
- Cardiovascular, Respiratory and Neurological Sciences
- Endocrinology and Metabolism
- Dentistry
- Immunity and Infection

Importantly, each domain is allied to a range of clinical specialties through which the College links its basic research to translational endpoints.

We have great pride in our interactions with local NHS environment, most obviously exemplified through ‘Birmingham Health Partners’, an exciting collaborative platform between the University, Birmingham Children’s Hospital and University Hospitals Birmingham NHS Foundation Trust (UHBFT) that will enable rapid movement from laboratory discovery to patient benefit, fostering new therapeutic and healthcare innovations by creating a truly integrated environment for researchers and clinicians.

**Education**

Each year the College trains 374 medical students including the Graduate Entry course (105 medical students are able to intercalate on a choice of programmes after the second, third or fourth year of their course), 75 dental students, 21 biomedical materials science students, 96 medical science students and 104 nursing students.

2013 also sees the introduction of a new undergraduate Pharmacy programme that will initially recruit 70 students per year. Medical student teaching takes place at all hospitals in Birmingham, but has recently expanded into many of the hospitals in the Black Country.
There are also approximately 475 postgraduate taught students and 382 research students in the College, managed by a cross-College Graduate School. The College has excellent library and reference facilities including the newly refurbished Barnes library and Doug Ellis Learning Hub.

**Programmes and Facilities**

The College has encompassed some major developments, expansion and improvement to its facilities, education delivery and research activity in recent years.

This includes a £35m Institute of Biomedical Research, a state-of-the-art £11.8m Wolfson Centre for Medical Education and a prosectorium facility for anatomy teaching incorporating 10 ventilated tables and high tech AV teaching aids. The College has also created a new £1m phantom head teaching laboratory facility within the School of Dentistry.

Among the most recent investments is refurbishment of the Medical School building foyer and Barnes library providing impressive visitor and student services facilities. To further our research strengths the College developed the state-of-the-art Advanced Therapies Facility which includes a new purpose built HTA-compliant biorepository (Human Biomaterials Resource Centre), Cell and Gene Therapy Pharmacy, and commercial spin out laboratory. Alongside these developments, the NIHR/Wellcome Trust Clinical Research Facility (CRF) received the largest award renewal in the UK of £12.8 million from the National Institute for Health Research (NIHR) to support its activity and to strengthen its current expansion. The College also launched the Health Research Bus, a mobile clinical research facility funded via Birmingham Science City. This was the first of its kind and a great development for clinical research in the College.

The collaboratively-funded NIHR Institute for Health Research Surgical Reconstruction and Microbiology Research Centre was developed in 2011, which combines clinical practice in the battlefield and innovation in medical research to benefit all trauma patients.

In 2012, the College secured high quality laboratory and clinical research facilities within the new University Hospitals Birmingham NHS Foundation Trust (UHBFT) Queen Elizabeth Hospital, through our Centre for Translational Inflammation. It houses a number of national and international centres including the MRC-ARUK Centre for Musculoskeletal Ageing, ARUK Centre for Experimental Medicine (BEAT RA), the NIHR Translational Research Partnership in Joint and Related Inflammatory Diseases and the Healing Foundation Burns Research Centre.

In 2012 government funding was also announced for the development of a £24m Institute of Translational Medicine in Birmingham in collaboration with UHBFT, bringing Birmingham into the forefront of international translational medicine.
research. The institute will help progress the very latest scientific research findings from the University into enhanced treatments for patients across a range of major health issues including cancer and liver disease.