Horticultural Technician
Biology

Closing date: 1 November 2018
Interview date: 28 November 2018
Vacancy reference: 7101
INTRODUCTION

A post is available to work part time in the Horticultural Team assisting with the day to day operation, maintenance, servicing and cleaning of the plant growth facilities and equipment. Daily duties include watering, and monitoring pest and disease.

The Horticultural Facilities are located in the Department of Biology and the Walled Garden on Heslington Campus West and consist of a number of glasshouses, growth rooms and cabinets which are maintained to control day length, light intensity, temperature and humidity. Research and teaching staff and students use the facilities to grow their experimental plant material. The Horticultural team led by the Horticultural Manager are responsible for the maintenance of these facilities and the plant husbandry.

The post is part-time, 22 hours per week, including split shifts on a Saturday and Sunday, working one in three weekends, to provide twice daily watering and checking of the facilities. The remaining hours are to be worked between Monday, Tuesday, Wednesday and Friday from 8:00am, with the agreement of the Horticultural manager.

The posts is fixed term for 12 months.
Main purpose of the role

The role holder will work as part of a team of technicians, led by the Horticultural Manager, to maintain the facilities and experimental plant material in the Department of Biology. Under the supervision of the Horticultural Manager and Team Leaders the role holder will carry out daily tasks of plant husbandry including watering, identification of pest and disease and checking the environmental controls of the glasshouses, growth rooms and plant growth cabinets.

Key responsibilities

(Role holders will be required to undertake some or all of the duties below)

- To assist in the day to day operation, maintenance and servicing of the plant growth facilities including the transgenic glasshouses, plant growth rooms and cabinets.
- To maintain experimental plant material, to include watering and monitoring of pest and disease, notifying the senior technician of any changes.
- To apply a working knowledge to adjust and repair minor faults to the horticultural equipment within the limits of expertise, escalating where appropriate.
- To continually learn and develop skills and knowledge of the horticultural facilities and equipment and to attend training courses.
- To communicate with departmental staff and students and occasional liaison with estates staff and external contractors.
- To manage own work on a day to day basis, to adapt and prioritise workload in response to requests.
- To be responsible for adhering to safe working practices, in line with departmental and legal requirements as directed by the senior technician.
- To ensure that health and safety protocols and procedures are followed at all times.
- To undertake any reasonable request from management.
# PERSON SPECIFICATION

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<th>Qualifications</th>
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<tr>
<td>4 GCSE’S or equivalent Horticultural qualification or equivalent experience</td>
<td>Essential</td>
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<tr>
<th>Knowledge</th>
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<td>Knowledge of plant species and correct cultural conditions.</td>
<td>Essential</td>
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<td>Knowledge of growing plants in a controlled environment or glasshouse.</td>
<td>Desirable</td>
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<th>Skills, abilities and competencies</th>
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<td>Ability to perform horticultural techniques.</td>
<td>Essential</td>
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<td>Ability to understand and adhere to health and safety practices.</td>
<td>Essential</td>
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<td>Ability to work independently and use initiative.</td>
<td>Essential</td>
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<td>Manual handling skills.</td>
<td>Essential</td>
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<th>Experience</th>
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<td>Experience of growing plant material.</td>
<td>Essential</td>
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<td>Experience of applying working knowledge to resolve issues for the best outcome.</td>
<td>Desirable</td>
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<th>Personal attributes</th>
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<td>Demonstrate ability to work both as part of a team and independently.</td>
<td>Essential</td>
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<td>Organised and flexible.</td>
<td>Essential</td>
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<td>Ability to apply initiative and judgement.</td>
<td>Essential</td>
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<td>Positive attitude to colleagues and students.</td>
<td>Essential</td>
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<td>Commitment to personal development of skills and knowledge.</td>
<td>Essential</td>
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<td>Ability to work one weekend in three, Saturday’s and Sundays.</td>
<td>Essential</td>
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Our Department welcomes staff and students from around the world. We celebrate excellence, breadth and diversity across the spectrum of modern biology.

Our research is focused around fundamental science research foci, which are Cell and Developmental Biology, Molecular and Cellular Medicine, Bioinformatics and Mathematical Biology, Infection and Immunity, Ecology and Evolution, Microbiology, Biochemistry and Biophysics and Plant Biology. The Department has successfully continued to establish state-of-the-art laboratory space and maximise our existing space and a new teaching building opened in Autumn 2016. In the 2014 Research Excellence Framework (REF) exercise, the Department of Biology was again placed in the top 10 in the UK. We are ranked 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. The Department of Biology covers the spectrum of contemporary biological sciences with no internal barriers, and collaboration internally and externally is strongly encouraged. Our Department comprises >70 academic and teaching staff, >100 research associates, >140 professional support staff (technical and administrative), 180 graduate students, and approximately 860 undergraduates. Several senior positions are funded by charities or industry.

Although we are a research-intensive department, our teaching is equally important, and the University holds a Gold Teaching Excellence Framework (TEF) award. Our teaching in the department consistently ranks highly which is reflected in our achievements in the National Student Survey (NSS). We are preparing for departmental TEF awards in 2020. Our aim is to maintain a collegiate atmosphere where academic practice encompasses equitably distributed research, teaching and administrative duties throughout the staff group. Our staff are enthusiastic about interacting with students and have a commitment to delivering high-quality teaching and developing and applying innovative and appropriate teaching techniques using material which creates interest, understanding and enthusiasm amongst students. Staff carry out on-going curriculum review, the review of module content and materials and contribute to the development of teaching and learning strategies.

We currently offer the following degrees within the Department:

- BSc/MBiol Biology
- BSc/MBiol Ecology
In addition we run a prestigious BBSRC funded Doctoral Training Partnership (DTP) which brings together the very best molecular, chemical and cellular bioscience research across the White Rose Consortium of Universities (Leeds, Sheffield and York), which maps on to the research themes of the BBSRC. Students benefit from a regional PhD training programme that has interdisciplinary collaboration at its core. This enables students to develop a range of research skills in biological and biochemical areas as well as equip them with core mathematical, data analysis and generic professional skills that are necessary for bioscience research in the coming decades.

As befits a department of our size, we have extensive professional support services which underpin our teaching and research. This includes teams in operational services; horticulture; stores and logistics and teaching laboratory technicians. We provide excellent biological services facilities and mechanical and electronic workshops. We also have administration teams which cover; Health and Safety; Research support to assist with external funding proposals for research activities; a Student and Academic Services team in place to support academic staff and students; a core Department Management Team Hub who support a broad range of administrative processes in order to facilitate the smooth running of departmental activity.

We also have our Bioscience Technology Facility which is a unique resource providing a purpose-built facility for our world-class scientists and technologists working across six bioscience research capabilities. Collectively it brings together a unique range of expertise and equipment, and is recognised as a leading example of how to provide research support in the 21st Century.
THE DEPARTMENT

The focus is on six core areas: Bioinformatics, Genomics, Imaging & Cytometry, Molecular Interactions, Protein Production, and Proteomics. The Department has a dedicated bioinformatics support team within the Technology Facility who can provide help and assistance with a wide range of bioinformatics software.

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 and the University has a nursery on site. We are proud to foster a supportive culture that helps staff and students reach their full potential and we embrace equality, diversity and inclusion as well as the values of the Athena SWAN Charter in all our departmental activities. Our philosophy is that poor working practices discriminate disproportionately against women whereas good practices support all. We have a Gold Athena SWAN award in recognition of our culture, ethos and activity.
THE UNIVERSITY

Founded on principles of excellence, equality and opportunity for all, the University of York opened in 1963 with just 230 students. In 2018 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 are ranked 16th in the Times & Sunday Times league table (2017). 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 is committed to promoting a diverse and inclusive community - a place where we can all be ourselves and succeed on merit. We offer a range of family friendly, inclusive employment policies, flexible working arrangements, staff engagement forums, campus facilities and services to support staff from different backgrounds.

For further information please visit our employee benefit pages.
THE CITY AND THE REGION

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 7101
- Complete the online application form

You will need to submit your completed application by midnight (local UK time) on 1 November 2018

What will I need?

We will ask you for details of:
- your employment history
- relevant qualifications
- two referees

You need to be ready to show us how you meet the requirements of the job, either in a written statement and/or by answering questions.

Help and assistance

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

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