

Job title	Imaging Technician
Grade	Grade 5
Salary range	£25,298 - £29,301 per annum
Staff Group	Assistant
Department / Institution	The Sainsbury Laboratory

Role-specific information

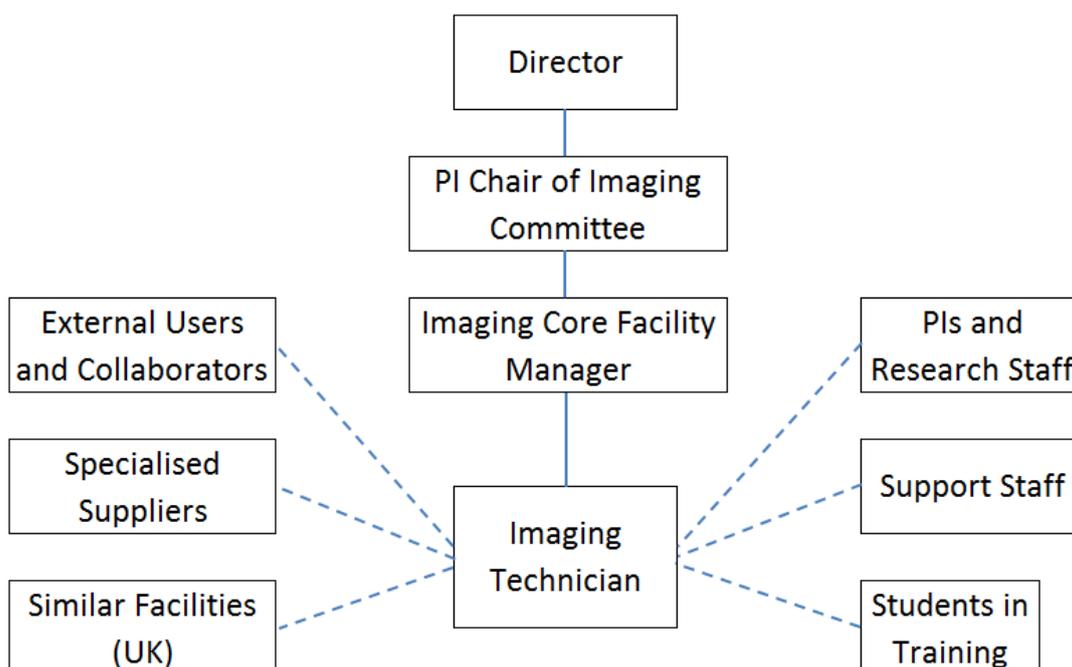
Role Summary

The Sainsbury Laboratory is a scientific research institute sited within the Cambridge University Botanic Garden which focuses on plant developmental biology and computational modelling of plant development. Since opening in 2011, it has expanded rapidly to around 150 researchers and 30 support staff in approximately 20 sub-groups.

The role holder will be an essential part of the research support team and dedicated to the smooth running of the Sainsbury Laboratory Microscopy Facility, which houses state-of-the-art advanced Imaging equipment. The Facility witnesses over 12,000 hours of use each year and provides technical expertise for over 100 staff across the Institute, alongside various external users from other University Departments.

The main function of this post is to support the Imaging Core Facility Manager and arrange the day to day specialist technical support and maintenance of equipment within the Microscopy Facility, to maximise productivity and also ensure compliance with Health and Safety requirements.

Organisation Chart



Key Responsibilities

Specialist Technical Support
<ul style="list-style-type: none">• Train and help users acquire images on microscopes, including fluorescence microscopes and routine confocal work by advising on experimental protocols.• Process routine samples for research groups, outreach purposes, the Botanical Garden and the Herbarium.
Cryo-SEM Microscopy
<ul style="list-style-type: none">• Arrange liquid nitrogen filling of pressurised dewar (weekly), heat-exchange dewar and safety checks (daily) and to connect to cryo preparation system and check for leaks.• Implement the daily cryo start-up and shut-down procedures. Lubricate moving parts on cryoprep system.• Process routine samples for cryo and supervise and help users acquire images as required.
Equipment Maintenance and Ordering
<ul style="list-style-type: none">• Be responsible for maintenance and repair of all electrical and mechanical apparatus to identify faults; organise and liaise with service engineers if apparatus needs repairing.• Measure and record outputs of all lasers within the facility and notify the Imaging Core Facility Manager if outputs fluctuate or deviate from normal.• Keep all objective lenses and external facing optics clean and store, catalogue and administer spare parts and accessories.• Place orders for consumables and small parts using the University Purchasing System, whilst sourcing economical suppliers. Replenish consumables from stores as required.• Maintain stocks of common dyes, antibodies and some fluorescent Arabidopsis lines.
Microscopy Facility
<ul style="list-style-type: none">• Assist with establishing a laser writer service for micro-patterning, for making nano-fluidic devices.• Provide technical advice and instruction to users of the laser writer.• Write, review and refine good operating procedures and risk assessments for histology, micropatterning and basic light microscopy systems within the laboratory.• Liaise with the Imaging Core Facility Manager to implement the procedures governing the safe use of lasers and assist in making sure the laboratory's biosafety procedures are adhered to by users of the facility.
Other
<ul style="list-style-type: none">• Support the Imaging Core Facility Manager with developing new techniques and protocols for dissemination via the intranet, bulletins and methods related publications.• Undertake role as a Deputy Fire Warden for the Microscopy Facility.

Person Profile

This section details the knowledge, skills and experience we require for the role.

Education & qualifications	<ul style="list-style-type: none"> • Educated to degree level (or equivalent level of practical experience)
Specialist knowledge & skills	<ul style="list-style-type: none"> • Demonstrable knowledge of light or electron microscopy techniques • Good IT skills, with the ability to learn new systems and packages <p>Desirable</p> <ul style="list-style-type: none"> • Experience working with lasers
Interpersonal & communication skills	<ul style="list-style-type: none"> • Excellent communication and interpersonal skills • Ability to interact with a wide range of people and provide explanations of technical issues and processes • Ability to work in a team
Relevant experience	<ul style="list-style-type: none"> • Practical experience of laboratory technician/biological scientific research work • Experience in one of the following: <ul style="list-style-type: none"> ○ Fluorescence microscopy ○ Confocal microscopy ○ Laser micropatterning ○ Scanning electron microscopy ○ Histological processing of tissues • Health & safety regulations and best practice within a laboratory setting
Additional requirements	<ul style="list-style-type: none"> • Excellent organisational skills • Ability to proactively prioritise workloads • Strong time management skills • Ability to work independently and efficiently without supervision • High degree of precision and accuracy

Terms and Conditions

Location	The Sainsbury Laboratory
Working pattern	Full-time
Hours of work	Your normal hours of work are 36.5 hours, Monday to Friday. Your times of work will be notified to you by your line manager.
Length of appointment	Fixed term: The funds for this post are available until 31 December 2021 in the first instance.
Limited funding	The funds for this post are available until 31 December 2021 in the first instance.
Probation period	6 months
Annual leave	Full-time employees are entitled to annual paid leave of 7.2 weeks (or 36 days) inclusive of public holidays.
Pension eligibility	Cambridge University Assistants' Contributory Pension Scheme (CPS) Pension scheme details, including information about the legal requirement for the University to automatically enrol its eligible jobholders into a qualifying workplace pension scheme from 1 March 2013, is available at: http://www.pensions.admin.cam.ac.uk/ .
Retirement age	The University does not operate a retirement age for assistant staff.

Screening Check Requirements

We have a legal responsibility to ensure that you have the right to work in the UK before you can start working for us. If you do not have the right to work in the UK already, any offer of employment we make to you will be conditional upon you gaining it. If you need further information, you may find the Right to Work page within the 'Applying for a job' section of the University's Job Opportunities pages helpful (please see <http://www.jobs.cam.ac.uk/right/have/>).

Application Process

To submit an application for this vacancy, please click on the link in the 'Apply online' section of the advert published on the University's Job Opportunities pages. This will route you to the University's Web Recruitment System, where you will need to register an account (if you have not already) and log in before completing the online application form.

The closing date for applications is Sunday 04 June 2017. If you have any questions about this vacancy or the application process, please contact enquiries@slcu.cam.ac.uk.

General Information

The University of Cambridge

The University of Cambridge is one of the world's oldest and most successful Universities, with an outstanding reputation for academic achievement and research. It was ranked first in the 2011 QS World University Rankings and its graduates have won more Nobel Prizes than any other university in the world. The University comprises more than 150 departments, faculties, schools and other institutions, plus a central administration and 31 independent and autonomous colleges.

The University and the Colleges are linked in a complex historical relationship. The Colleges are self-governing, separate legal entities which appoint their own staff. They admit students, provide student accommodation and deliver small group teaching (supervisions). The University awards degrees and its faculties and departments provide lectures and seminars for students, determine the syllabi for teaching and conduct research.

There is much more information about the University at <http://www.cam.ac.uk/univ/works/index.html> which we hope you will find helpful.

The Sainsbury Laboratory

The Sainsbury Laboratory Cambridge University (SLCU) is a research institute funded by the Gatsby Foundation. The aim of the Laboratory is to elucidate the regulatory systems underlying plant growth and development. SLCU will ultimately house approximately 12 research groups each consisting of around 12 researchers. The laboratory runs a range of centrally managed facilities and services including plant growth facilities, microscopy, tissue culture rooms, level 2 containment facility and a seed store.

Further information about the Sainsbury Laboratory is available at: <http://www.slcu.cam.ac.uk>

What the University can offer you

One of our core values at the University of Cambridge is to recognise and reward our staff as our greatest asset. We realise that it's our people who have built our outstanding reputation and that we will only maintain our leading position in the academic world by continuing to attract and retain talented and motivated people. If you choose to come and work with us, you will find that we offer:

- **Excellent benefits** – You will be eligible for a wide range of competitive benefits and services, including numerous discounts on shopping, health care, financial services and public transport. We also offer defined benefits pension schemes and tax-efficient bicycle, car lease and charity-giving schemes.

We will help you balance your home and work life by providing you with generous annual leave entitlement and procedures for requesting a career break or flexible working arrangements if you need them. You will also have access to a range of well-being support services, including in-house Occupational Health and Counselling services. If you have childcare responsibilities, you may also benefit from the enhanced maternity/adoption pay, two nurseries and a holiday play scheme that we provide.

We are keen to welcome new employees from other parts of the UK and other countries to Cambridge. If you will be relocating to Cambridge on a centrally funded appointment of two years or more, you may be eligible for our relocation expenses scheme. The University Accommodation Service (<http://www.accommodation.cam.ac.uk/>) will also be available to help you find suitable rented accommodation and to provide advice on renting arrangements and local facilities, if required. In addition, certain academic and academic-related appointments are eligible for the Shared Equity Scheme which offers financial assistance with the purchase of living accommodation.

- **A welcoming and inclusive environment** - We will help you settle into your new role and working environment through a central University induction event, local induction activities and our online induction package. Where appropriate to your role, you will have a probation period to provide a supportive framework for reviewing your progress and discussing your training and development needs.

If you are relocating to Cambridge, you and your family will be welcome to attend the Newcomers and Visiting Scholars Group, which provides an opportunity to find out more about Cambridge and meet other people new to the area.

- **Extensive development opportunities** - The encouragement of career development for staff is one of the University's core values. We put this into practice through various services and initiatives, including:
 - A wide-range of training courses and online learning packages.
 - The Staff Review and Development (SRD) Scheme, which is designed to enhance work effectiveness and facilitate career development post-probation.
 - Leave for career and personal development, including long-term study leave for assistant staff and sabbatical leave for academic staff.
 - The CareerStart@Cam programme, which supports assistant staff roles without higher education qualifications to develop their skills, experience and qualifications. Assistant staff may also apply for financial assistance for study which results in a qualification.
 - Reduced staff fees for University of Cambridge graduate courses.
 - The opportunity to attend lectures and seminars held by University departments and institutions.
 - Policies and processes dedicated to the career development of researchers and the implementation of the principles of the Concordat, which have led to the University being recognised with an HR Excellence in Research Award by the European Commission.

You can find further details of the benefits, services and opportunities we offer can be found in our CAMBens Employee Benefits web pages at <http://www.hr.admin.cam.ac.uk/pay-benefits/cambens-employee-benefits>. A range of information about living and working in Cambridge is also available to you within the University's web pages at <http://www.jobs.cam.ac.uk/> and <http://www.hr.admin.cam.ac.uk/hr-staff/information-staff>.

Equality of Opportunity at the University

We are committed to a proactive approach to equality, which includes supporting and encouraging all under-represented groups, promoting an inclusive culture and valuing diversity. We make selection decisions based on personal merit and an objective assessment against the criteria required for the post. We do not treat job applicants or members of staff less favourably than one another on the grounds of sex (including gender reassignment), marital or parental status, race, ethnic or national origin, colour, disability (including HIV status), sexual orientation, religion, age or socio-economic factors.

We have various diversity networks to help us progress equality; these include the Women's Staff Network, the Disabled Staff Network, the Black and Minority Ethnic Staff Network and the Lesbian, Gay, Bisexual and HR7 Further Information, Version 9, 31/10/14

Transgender Staff Network. In addition, we were ranked in the top 100 employers for lesbian, gay and bisexual (LGB) staff in Stonewall's Workplace Equality Index 2013 and we hold an Athena SWAN silver award at organisation level for promoting women in Science, Technology, Engineering and Medicine.

We are supportive of staff with caring responsibilities, such as through our flexible working, career break and returning carers schemes. We encourage individuals to include details of any breaks in employment due to caring responsibilities in applications for employment so that these can be taken into consideration in assessments made, where appropriate.

Information if you have a Disability

The University welcomes applications from individuals with disabilities and we are committed to ensuring fair treatment throughout the recruitment process. We will make adjustments to enable applicants to compete to the best of their ability wherever it is reasonable to do so, and, if successful, to assist them during their employment. Information for disabled applicants is available at <http://www.admin.cam.ac.uk/offices/hr/staff/disabled/>.

We encourage you to declare any disability that you may have, and any reasonable adjustments that you may require, in the section provided for this purpose in the application form. This will enable us to accommodate your needs throughout the process as required. However, applicants and employees may declare a disability at any time. If you prefer to discuss any special arrangements connected with a disability, please contact, Amy Coussell (Senior HR Coordinator), who is responsible for recruitment to this position, on 01223 (7)61115 or by email on Amy.Coussell@slcu.cam.ac.uk. Alternatively, you may contact the HR Business Manager responsible for the department you are applying to via hrenquiries@admin.cam.ac.uk.