



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Technician, Faculty of Medicine and Health



Salary: Grade 4 (£19,202 – £22,017 p.a.)

Reference: MHDEN1153

Closing date: 22 July 2019

We are happy to consider job share applications and are committed to flexible working for all our employees.

Research Technician

School of Dentistry

Division of Oral Biology

Do you have expertise in biological imaging using a range of light and electron microscopy techniques? Do you have excellent analytical, organisational and time-management skills?

The Division of Oral Biology, is looking for a highly motivated individual with experience in histological and immunohistochemical techniques together with standard light microscopy, fluorescence microscopy, laser scanning confocal microscopy and scanning electron microscopy to provide technical support to academic staff and post graduate research students.

The role will be based in the Division of Oral Biology's state-of-the-art laboratories based in The Wellcome Trust Brenner Building at St James University Campus. The post-holder will join a vibrant research orientated team internationally known for their research in the development and pathology of oral hard and soft tissues as well pioneering regenerative therapies for treating disease.

What does the role entail?

As Research Technician, your main duties will include:

- Conducting experiments/sample analysis following agreed laboratory protocols and in line with supervisory guidance;
- Preparation of research materials for light microscopy including tissue sectioning of paraffin embedded materials and histochemical staining;
- Preparation of soft and hard tissues for light microscopy (including preparation of ground sections and demineralisation methods for hard tissue work);
- Immunohistochemical analysis of tissue sections, cell monolayers and three dimensional scaffolds;
- Imaging samples using light microscopy, fluorescence microscopy and laser scanning confocal microscopy;
- Preparation and imaging of samples using scanning electron microscopy;
- Elemental analysis of samples using X-Ray energy dispersive microscopy;
- Planning and organisation work to ensure that experimental goals are delivered according to an agreed timetable;



- Maintaining high quality laboratory notebooks and files, analyse and interpret data and report data to other group members in an appropriate format as required;
- Assisting in the day-to-day running of the laboratory, including the routine care and maintenance of laboratory estate, equipment and ordering supplies;
- Organising and managing reagents and research samples and ensuring their appropriate transfer and storage;
- Demonstrating a commitment to personal and professional development, ensuring own skills and knowledge are kept up-to-date, and applying this knowledge to your own work;
- Carrying out all work in accordance with safety procedures and relevant regulations, maintaining health and safety records and develop risk assessments for new and existing protocols;
- Providing flexible technical support to members of the research group based on their needs;
- Providing direction and support to the team in relation to the techniques outlined above;
- Actively helping to improve the technical service provided.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

What will you bring to the role?

As a Research Technician you will have:

- Relevant BTEC or degree level qualifications or have equivalent workplace experience;
- Laboratory experience in hard and soft tissue histological techniques, immunohistochemistry, light microscopy, scanning electron microscopy and confocal microscopy;
- Experience of working effectively in a team;
- Experience of working unsupervised and using own initiative when necessary;
- Good written and verbal communication skills;
- Experience of working to a high level of accuracy and with attention to detail;
- Experience of maintaining up to date records;
- Good organisational and time management skills;



- Effective practical skills at the laboratory bench and the ability to manage and interpret data;
- Computing skills particularly for spreadsheet management, word processing and electronic mail.

You may also have:

- Previous experience with image processing software;
- RSci (Registered Scientist), RSci Tech (Registered Science Technician) qualification from the IST.

How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised closing date.

Contact information

To explore the post further or for any queries you may have, please contact:
Dr Steven Brookes, Senior Lecturer & Head of Division for Oral Biology

Tel: +44 (0)113 343 6135

Email: S.J.Brookes@Leeds.ac.uk

Additional information

Find out more about the [Faculty of Medicine and Health](#)

Find out more about the [School of Dentistry](#).

Find out more about [Athena Swan](#) in the Faculty.

Working at Leeds

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our [Working at Leeds](#) information page.

Candidates with disabilities



Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at disclosure@leeds.ac.uk.

Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

