



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

**University Academic Fellow in Musculoskeletal Medical Technologies
Faculties of Engineering and Biological Sciences**



Salary: Grade 8 (£40,792 – £48,677 p.a.)

Reference: ENGME1176

Closing date: 10 March 2019

We will consider job share and flexible working arrangements

University Academic Fellow in Musculoskeletal Medical Technologies

Schools of Mechanical Engineering and Biomedical Sciences, Faculties of Engineering and Biological Sciences

Are you an experienced and ambitious researcher looking for your next challenge? Do you have a strong research background in Healthcare Technologies? Do you want to further your career in a World-Leading research group and a research-intensive Russell Group University?

With a vision and drive to contribute to a World-Leading research portfolio, as well as a passion for undertaking research-led teaching, you will make a significant impact on the performance, stature and profile of research and student education at The University of Leeds.

The Institute of Medical and Biological Engineering (IMBE) at the University of Leeds is a world-leading centre for medical engineering. The institute spans the faculties of Engineering and Biological Sciences, and brings together a multidisciplinary team dedicated to improving the quality of life of an ageing population and achieving a vision of '50 active years after 50'. Driven by clinical challenges, the IMBE undertakes research to innovatively develop, test and translate novel therapies and devices into practical clinical applications. The research focuses on longer lasting joint replacements, tissue sparing interventions and biological scaffolds for tissue regeneration, supported by computational and experimental simulation systems for design and pre-clinical testing. Over the last 10 years, the IMBE has received awards from government, charities, healthcare bodies and industry which total in excess of £60 million, and is recognised for its excellence in medical engineering, receiving the Queen's Anniversary Prize for Higher and Further Education in 2012. The IMBE hosts a number of national centres, including the EPSRC Innovation and Knowledge Centre in Medical Technologies, an EPSRC Centre for Doctoral Training in Tissue Engineering and Regenerative Medicine, as well as a partnership with the Leeds Teaching Hospitals NHS Trust through an NIHR Biomedical Research Centre.

Activities within the IMBE are aligned with a wider strategic research initiative at the University to build on our interdisciplinary strengths and establish the university as a recognised global leader in healthcare technologies research and innovation. We have a highly successful track record in developing new medical products and services that have progressed to market as new start-up companies and new licence opportunities. That capability was evidenced through the Medical Technologies in the Leeds City Region Science and Innovation Audit (BEIS 2017).

There are significant opportunities for these capabilities to be exploited to support a growing global healthcare market, and to build on the research strengths within the IMBE. Specifically, there are opportunities to bring together aspects of biological

sciences and engineering to develop the next generation of advanced biological scaffolds for musculoskeletal tissue repair.

You should be able to demonstrate an excellent track record of research in this multidisciplinary field, including evidence of success in the translation of your research towards clinical application.

Career Pathway: Tenure track equivalent post requiring successful completion of a 5 year development plan, leading to appointment to a grade 9 Associate Professor, with the potential for accelerated progression.

What does the role entail?

As a University Academic Fellow your main duties will include:

- Pursuing a programme of individual and collaborative research, resulting in high quality publications and a national and international profile, and engaging with industry and clinical partners as appropriate to attract and co-ordinate major initiatives;
- Promoting the integration of your own research area with other research interests, in the School, Faculty and University;
- Attracting research funding individually and collaboratively to underpin high quality research activity and research programmes/projects;
- Developing a strategy to ensure that your research has the potential for impact beyond academia;
- Undertaking research-led teaching at different levels, with engagement in continual improvement in response to student and other feedback;
- Contributing to the design, development and planning of teaching modules and policy within the subject area as required;
- Working in partnership with students to provide outstanding education and an excellent student experience;
- Contributing to the management of the School or cross university interdisciplinary initiatives by taking on appropriate leadership, management and administrative responsibility;
- Leading academic initiatives and projects in research and student education which facilitate School, Faculty and/or University development;
- Participating in the recruitment, management and development of staff as well as acting as a mentor to less experienced colleagues;
- Contributing to the development of the discipline or research area, e.g. through organisation of conferences or membership of key bodies setting the strategic direction of the area;
- Contributing to the development and achievement of University, faculty and school strategy within the context of an international, research-led university;
- Becoming a specialist in the field, developing and maintaining an external profile as appropriate to the discipline;

- Maintaining your own continuing professional development;
- Carrying out the duties of the post in accordance with University policies, procedures, values and standards, including the Leadership and Management standard.

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 University Academic Fellow you will have:

- A PhD (or equivalent qualification) in a relevant field, for example Engineering or Biological Sciences;
- Significant multidisciplinary research expertise in the field of musculoskeletal medical technologies, spanning aspects of engineering and biological sciences, aligned to areas of strength in the IMBE;
- Evidence of the potential to secure significant external funding to support your research activity;
- A demonstrable track record in the translation of research towards commercialisation and clinical adoption, including an understanding of the clinical and regulatory environments, and evidence of engagement with the wider sector;
- A clear and compelling academic plan that will deliver academic and more general impact at an international level;
- A clear strategy to connect across the different research groups within the University;
- Significant proven research experience within the academic discipline with a developing record of internationally excellent publications;
- Experience of presenting at national and international conferences and/or symposia;
- Evidence of building strong working relationships within and, as appropriate, beyond your own discipline and to contribute to successful projects and collaborations;
- Evidence of building strong working relationships with industrial and clinical partners to contribute to successful projects and collaborations;
- The potential and commitment to undertake high quality and innovative teaching and gain a higher education teaching qualification or award;
- Experience of delivering and engaging with student education where opportunities have existed;
- A high level of interpersonal and communication skills, and a strong ability to communicate effectively in writing and verbally with students, academic and external audiences;

- The ability to lead projects and organise, balance and prioritise work commitments.

You may also have:

- A track record in leading public and patient engagement activities;
- Experience of leading on projects and initiatives, including managing resources and conflicting priorities within challenging circumstances;
- A growing track record of successful and innovative teaching at both undergraduate and/or postgraduate level;
- Experience of involvement in postgraduate research supervision;
- Experience of working collaboratively with external partner organisations;
- Experience of mentoring in the workplace.

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

For any queries, please email: UAFSupport@leeds.ac.uk

To explore the post further, please contact:

Professor Ruth Wilcox, Professor of Biomedical Engineering

Tel: +44 (0)113 343 7980

Email: R.K.Wilcox@leeds.ac.uk

Additional information

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.