



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Associate Professor in Medical Engineering, Faculty of Engineering & Physical Sciences



Salary: Grade 9 (£51,034 – £59,135 p.a.)

Reference: EPSME1012

Closing date: 05 January 2020

We will consider flexible working arrangements

Associate Professor in Medical Engineering School of Mechanical Engineering

Are you an experienced and influential academic in medical engineering looking to join an internationally-renowned group? Do you have an excellent research track record, proven success in obtaining funding and the vision and drive to tackle new challenges? Are you passionate about delivering world-leading research and an exceptional student experience?

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 & Physical Sciences 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, as well as a partnership with the Leeds Teaching Hospitals NHS Trust through an NIHR Biomedical Research Centre.

This new senior position forms part of an ongoing process of investment in the School of Mechanical Engineering that has generated continuing growth in staff, student numbers and research income. As part of this strategy, we are seeking to broaden the scope of research activities in the IMBE, particularly into the areas of musculoskeletal multi-body modelling, or activity monitoring and rehabilitation, along with associated data acquisition and interpretation. These fields complement existing IMBE activity and provide collaborative opportunities across the university with research activities in medical robotics, sports science and clinical biomechanics.

We are seeking to appoint one candidate at either Associate Professor or Professor level. A separate advert describes the [Professorial role](#), and candidates are encouraged to apply at the grade that is most appropriate to their career stage.



What does the role entail?

As an Associate Professor your main duties will include:

- Pursuing, leading and developing the strategic direction of research, innovation and impact at an appropriately benchmarked level, attracting research income on an individual and collaborative basis to underpin high quality research activity and programmes/projects;
- Being recognised as an authority in your field, developing and maintaining an external profile as appropriate to the discipline;
- Maintaining a high quality record of regular and original research publications that are of national and international standing;
- Promoting the integration of your own research area with other research interests within and, as appropriate, outside the School, Faculty and University;
- Providing high quality postgraduate supervision and attracting research students to the University, and to supervise other students as appropriate;
- Undertaking research-led teaching at different levels on undergraduate and/or postgraduate taught courses, regularly collecting, and responding to, student feedback as well as being involved in the assessment of course work and examinations;
- Playing a significant role in the design, development, planning and review of modules and programmes within the subject area as required;
- Contributing to the management and administrative processes and committee structures of the School, Faculty and University;
- Managing or leading major initiatives or areas of work (as either sustained or one-off projects) as well as taking on leadership roles which facilitate School, Faculty or University performance or business as required.

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 an Associate Professor you will have:

- A PhD in medical engineering or a related subject;
- A track record of outstanding research in an area that complements and broadens current research themes within the iMBE, for example in the areas of



musculoskeletal multi-body modelling, activity monitoring and rehabilitation, along with associated data acquisition and interpretation;

- An international reputation, including a sustained track record of raising research funds from national and international funding agencies;
- A sustained track record of research outputs as a single or main author of refereed publications of internationally excellent quality;
- Significant experience of teaching effectively at all levels within higher education, including module and programme design, review and development;
- Experience of supervising taught undergraduate or postgraduate students;
- Outstanding communication, team working and networking including experience of collaboration on cross-disciplinary projects;
- A proven ability to provide academic leadership, including managing resources and/or staff;
- Evidence of the ability to build trust to ensure engagement and commitment, and to treat staff fairly, with respect and dignity.

You may also have:

- Experience of PhD supervision, acting as primary supervisor to successful doctoral graduates;
- An ability to build partnerships with industrial, professional and public sector organisations on interdisciplinary collaboration, knowledge exchange and funding.

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:

Ruth Wilcox, [Professor Biomedical Engineering](#)

Tel: +44 (0)113 343 7980

Email: r.k.wilcox@leeds.ac.uk



Additional information

Faculty and School Information

Further information is available on the research and teaching activities of the [School of Mechanical Engineering](#).

A diverse workforce

The Schools in the Faculty of Engineering & Physical Sciences are proud to have been awarded the Athena SWAN [Bronze](#) or [Silver](#) Award from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our [equality and inclusion webpage](#) provides more 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.

