



1 Advertisement

Post Title: Senior Lecturer in Surgery and Emerging Surgical Technologies

School/department: Brighton and Sussex Medical School / Clinical and Experimental Medicine

Hours: Part-time hours considered up to a maximum of 0.7 FTE. Requests for flexible working options will be considered.

Location: Brighton, United Kingdom

Contract: Fixed term for 6 months, with the possibility of extension.

Reference: 20417

Salary: starting at £54,421 to £63,059 per annum, pro rata if part-time

Placed on: 26 June 2023

Closing date: 12 July 2023. Applications must be received by midnight of the closing date.

Expected interview date: To be determined

Expected start date: As soon as possible.

We are looking to recruit an academic senior lecturer at Brighton & Sussex Medical School. The post is offered initially for 6 months, but there may be opportunity to extend beyond this period. Working with the research team, the academic senior lecturer will lead work to look at how digital technology, artificial intelligence, extended reality and other emerging surgical technologies can help streamline surgical referral pathways, treatments and their adoption in undergraduate and postgraduate training. This post will explore process and pipelines from the point of referral for elective or emergency surgical care, through to surgery and after.

Brighton and Sussex Medical School is developing its undergraduate and postgraduate surgical and medical educational resources with Health Education England utilising extended reality (virtual reality, augmented reality and the metaverse). This lectureship will support the development of these emerging pillars, such as the Virtual Reality in Medicine and Surgery (VRiMS) pan-surgical initiative, acting as a bridge between academic and clinical medicine.

Please contact Prof Jag Dhanda at j.dhanda2@bsms.ac.uk for informal enquiries. The University is committed to equality and valuing diversity, and applications are particularly welcomed from women and black and minority ethnic candidates, who are under-represented in academic posts in Science, Technology, Engineering, Medicine, and Mathematics (STEMM) at Sussex.

For full details and how to apply see our [vacancies page](https://www.brighton.ac.uk/jobs)
www.brighton.ac.uk/jobs www.bsms.ac.uk

The University of Sussex values the diversity of its staff and students and we welcome applicants from all backgrounds.

Please note: The University requires that work undertaken for the University is performed from the UK.

2. The School / Division

Please find further information regarding the school/division at <https://www.bsms.ac.uk/index.aspx>.

3. Job Description

Job Title:	Senior Lecturer in Surgery, Digital Innovation, and Emerging Technologies
Grade:	9
School:	Brighton and Sussex Medical School – Department of Medical Education
Location:	Falmer Campus, Brighton
Responsible to:	Head of School, Professor Jag Dhanda / Professor Mansoor Khan/ Professor Gordon Ferns
Direct reports:	n/a
Key contacts:	Students, other members of Faculty within the School and University, School Officers, academics in the field in other institutions.
Role description:	Senior Lecturer is a senior career-grade teaching position. Post-holders will be expected to show academic leadership in teaching, and to support the management and strategic planning processes of the School and the University.

PRINCIPAL ACCOUNTABILITIES

1. To provide academic leadership in the design and delivery of high-quality teaching programmes.
2. To support the management activities of the School and University, and undertake a key role in School or University working groups or committees, as required.

KEY RESPONSIBILITIES

1. Teaching & Student Support

- 1.1 Lead the innovative design, development and delivery of a range of programmes of study at various levels.
- 1.2 Ensure that course design and delivery comply with the University quality standard and regulations, and take responsibility for the quality of programme units.

- 1.3 Regularly review and update course content and teaching materials, ensuring that they remain up-to-date and relevant, incorporating advances in the subject area and utilising appropriate technology.
- 1.4 Set, mark, and assess coursework and examinations; select appropriate assessment instruments and assessment criteria; and provide constructive and comprehensive feedback to students.
- 1.5 Actively maintain an understanding of appropriate pedagogy in the subject area.
- 1.6 Provide academic leadership to those working within programme areas, e.g. as a course leader.
- 1.7 Supervise taught postgraduate students, providing advice on study skills.
- 1.8 Undertake and complete administrative duties required in the professional delivery of teaching.
- 1.9 Undertake academic advising duties, and provide first-line support for sensitive issues, referring on as appropriate to services providing further assistance.
- 1.10 Adopt an approachable and accessible attitude towards students, offering office hours, informal advice etc.
- 1.11 Contribute to the development of teaching and learning strategies and work in conjunction with others to apply subject knowledge to practice.
- 1.12 Provide first line support for colleagues, referring them to sources of further help is required.
- 1.13 Lead and develop external networks, for example by being an external examiners or assessor.
- 1.14 Develop links with external contacts such as other educational bodies, employers and professional bodies to foster collaboration.

2. Scholarship & Enterprise

- 2.1 Contribute to the development of School scholarship strategies and themes.
- 2.2 Identify and develop research objectives and proposals for own or joint pedagogic research and develop ideas for application of research outcomes.
- 2.3 Provide academic leadership to those working within relevant research areas.
- 2.4 Play an influential role in identifying sources of funding and secure and/or contribute to the process of securing bids.
- 2.5 Play a leading role in identifying and securing opportunities for enterprise activity, knowledge exchange income and/or consultancy.

- 2.6 Producing high quality pedagogic research outputs that have significant impact in the field for publication or performance/exhibition as appropriate.
- 2.7 Make presentations at national or international conferences or exhibit work in other appropriate events of a similar standing, and identify ways to disseminate research outputs informally via the internet, the media and other forms of public engagement.
- 2.8 Actively build internal and external contacts, and play a key role in internal networks and relevant external networks in order to, for example, identify sources of funding, secure student placements, and build relationships for future activities.
- 2.9 Develop links with external contacts such as other educational bodies, businesses, the public sector, and professional bodies to foster collaboration and potentially generate a source of income.
- 2.10 Provide academic leadership to those working within relevant research or scholarship areas ie. Education portfolio.
- 2.11 Play a role in a relevant national professional body or recognised events.
- 2.12 Continually update knowledge and understanding in field or specialism, and engage in continuous professional development.
- 2.13 Engage in pedagogic and practitioner research and other scholarly activities
- 2.14 Contribute to the development of education strategies
- 2.15 Work in conjunction with others to apply subject knowledge to practice
- 2.16 Act as a referee and contribute to peer assessment

3. Contribution to School & University

- 3.1 Attend and contribute to School meetings.
- 3.2 Contribute to the overall management of the School in areas such as budget management and business planning, as required.
- 3.3 Contribute to School-level strategic planning, and University-level strategic planning processes if required.
- 3.4 Engage in activities beyond day-to-day teaching duties, for example Admissions Days.
- 3.5 Assist with undergraduate and postgraduate recruitment.
- 3.6 Chair and/or play a key role in School or University working groups or committees, as required.
- 3.7 Undertake an administrative or organisational role within the School e.g. Library Representative, Year Tutor, Exam Board Chair, or personal/academic tutoring.

- 3.8 Advise and provide support to less experienced colleagues, and conduct Performance and Development Reviews, as required.
- 3.9 Conduct risk assessments and take responsibility for the health and safety of others, if required.
- 3.10 Undertake additional administrative duties, as required by the Head of School.

4. Role-specific duties

- 4.1 Develop digital technology, artificial intelligence, extended reality, and other emerging surgical technology resources with the implicit and explicit aim of impact in clinical service delivery with submission for clinical trial within 6 months.
- 4.2 Develop additional funding streams for digital technology, artificial intelligence, extended reality, and other emerging surgical technologies, including charity, UKRI, government and industry resources.
- 4.3 Enable development of the national and international profile of BSMS for academic surgery, surgical innovation, and emerging surgical technologies.

This Job Description sets out current duties of the post that may vary from time to time without changing the general character of the post or level of responsibility entailed.

INDICATIVE PERFORMANCE CRITERIA

1. Evidence of novel or innovative approaches to teaching supervision or assessment, including appropriate uses of technology.
2. Sustained high-quality teaching across both undergraduate and postgraduate portfolios, as evidenced by surveys, questionnaires and peer review.
3. Evidence of the integration of scholarship and professional practice with teaching activities.
4. Significant involvement in knowledge creation and transfer in conjunction with partner organisations in industry, commerce, government or NGOs. This could be in the form of externally funded research, knowledge exchange and/or consultancy.
5. Evidence of external profile, such as membership of professional body, editorial board or similar.
6. Successful prosecution of a major task which facilitates School or organisational unit performance or business.
7. Evidence of a capacity to contribute creatively and constructively to the management of School business.
8. Evidence of successful management of more junior and/or support staff where such opportunities exist.

9. Responsible and effective involvement in the broader arena of the School and/or University including, where appropriate, a role providing support, pastoral care and guidance to students or colleagues.

PERSON SPECIFICATION

ESSENTIAL CRITERIA

1. Normally educated to doctoral level, or other equivalent qualification, or appropriate level of experience, as appropriate to the discipline (see role-specific criteria below).
2. Excellent interpersonal skills, with the proven ability to engage with students using a variety of different methods.
3. Significant experience of high-quality teaching at undergraduate and postgraduate level.
4. Track record of significant and high quality publications in an appropriate media.
5. An emerging international reputation in the field of study.
6. Experience of successful curriculum design or re-design.
7. Significant experience of supervising postgraduate students.
8. Evidence of proactive contribution to School and/or University.
9. Excellent presentation skills, with the proven ability to communicate effectively, both orally and in writing, with students, colleagues and external audiences.
10. Leadership and people management skills.
11. Ability to exercise a high degree of innovation and creative problem-solving.
12. Excellent organisational and administrative skills.
13. Ability to prioritise and meet deadlines.
14. A willingness to participate in support activities beyond normal teaching duties.
15. Excellent IT skills, with the ability to produce high-quality learning support materials.

ESSENTIAL ROLE-SPECIFIC CRITERIA

1. Recognised medical qualification with CCT surgical experience with evidence of fellowship examination.
2. Recognised (e.g., Royal College approved post CCT) subspecialty surgical fellowship and evidence of post-CCT clinical and surgical work.

3. PHD at high tier educational institution in the application of translational technological innovations of relevance to surgical patient populations.
4. Evidence of excellent interpersonal skills, with the ability to engage using a variety of teaching methods and cutting-edge techniques e.g., extended reality resources
5. Experience of teaching at undergraduate and postgraduate level.
6. Excellent presentation skills, with the ability to communicate effectively, both orally and in writing, with students, colleagues, and external audiences.
7. Evidence of personal portfolio of achievement in digital health and extended reality materials, including integration with competitive national/international programmes
8. Evidence of novel contributions to innovation and technology development within the UK ecosystem, including engagement with industry partners and academic/ NHS stakeholders.
9. Evidence of excellent organisational and administrative skills e.g., organisation of international and national role-relevant conferences, patient-public groups.
10. Evidence of achievement and track-record of personally awarded grant funding
11. Evidence of innovation activities up to and including commercially viable technology.
12. Excellent clinical academic skills, with evidence of producing high-quality research, policy and quality improvement documentation across academia, NHS and government.

DESIRABLE CRITERIA

1. Evidence of an education portfolio with significant focus on scholarship