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| Last updated: | 19/06/2024 |

**JOB DESCRIPTION**

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| Post title: | **Associate Professor – Deputy Director of Programme (MSc Medical Technology, Innovation & Design)** |
| Standard Occupation Code: (UKVI SOC CODE) | 2311- Higher education teaching professional |
| School/Department: | School of Healthcare Enterprise & Innovation |
| Faculty: | Medicine |
| Career Pathway: | Education, Research and Enterprise (ERE) | Level: | 6 |
| \*ERE category: | Balanced portfolio |
| Posts responsible to: | Director of Programme |
| Posts responsible for: | Lecturers and Senior Lecturers |
| Post base: | Office-based/Hybrid – University of Southampton Science Park, Chilworth |

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| Job purpose |
| To directly support the launch and delivery of the MSc in Medical Technology, Innovation and Design. Working closely with clinical placement colleagues in the Trust and globally, supporting students and student teams, interacting confidently with industry, investors and mentors to the programme from the MedTech/HealthTech entrepreneurial community. To develop and grow an independent area of research aligned to the School and Faculty research strategy and support the development of junior staff and students within your research group. Foster interdisciplinary, international and cross-sector relationships to enrich the experiences of your research group and our education programme.  |

| Key accountabilities/primary responsibilities | % Time |
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|  | Plan and coordinate a broad research programme and activity in an area of recognised excellence for the University. Act as principal investigator on projects, responsible for defining original research objectives, developing and managing staff, and attracting funding through bids and reputation. Develop and oversee the application of innovative and creative research methodologies and techniques that add to the knowledge/understanding of the subject area. | 25 % |
|  | Develop and sustain a national and international reputation for research and the enhancement of learning and teaching practice by the regular dissemination and explanation of findings through leading peer-reviewed publications, major conferences, or exhibiting work at other appropriate events. Engage in external academic activities in accordance with the School/Department research strategy and which enhance the School/Department national/international research profile, e.g. membership of committees of academic bodies, external examining, journal editorships, etc. | 15 % |
|  | Manage administrative tasks associated with specified research funding, including risk assessment of programme activities, leading project meetings and preparation of annual reports. Management of procedures required to ensure accurate and timely formal reporting and financial control. | 10 % |
|  | Contribute to the development of teaching and learning activities of the School/Department. Deliver teaching of the highest quality across a range of modules and to all levels, through lectures, tutorials, practical’s and seminars.  | 30 % |
|  | Contribute to the development of research, teaching and learning strategies in the School/Department. | 5 % |
|  | Provide expert advice and subject leadership to other staff and students, including research supervision. | 5 % |
|  | Take on appropriate School/Department coordinating roles to advance student academic development, e.g. act as Senior Tutor, Head of Teaching Programme, Coordinator of Programmes at undergraduate or postgraduate levels, etc. | 5 % |
|  | Any other duties as allocated by the line manager following consultation with the post holder. | 5 % |

| Internal and external relationships |
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| Member of the School/Department Board, Examination Board and of such School/Department committees relevant to their administrative duties. The post holder will take a leading role in the setting of strategic objectives for the research theme of which they are a member. Teaching and administrative duties will be allocated by the Head of School/Department, within the context of the teaching programmes agreed by the School/Department Learning and Teaching Committee.Wessex Health Partners, Health Innovation Wessex, Johns Hopkins University, University Hospitals Southampton. |

| Special Requirements |
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| To attend national and international conferences for the purpose of disseminating research results.To be available to participate in residential fieldwork, in the UK or overseas, according to own area of subject specialism. A normal expectation would be of one such course per annum. |

**PERSON SPECIFICATION**

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| Criteria | Essential | Desirable | How to be assessed |
| Qualifications, knowledge and experience | PhD or equivalent professional qualifications and experience in Medical Technology, Anatomy/Physiology, Product Design, Data Science or Epidemiology.Knowledge of pathophysiology within any clinical specialism. Well-established national and international reputation in your specialism.Extensive track record of teaching at undergraduate and postgraduate level. Extensive track record of developing and disseminating successful learning approaches.Extensive track record of published research. | Membership of Higher Education AcademyExperience of using MedTech or Health Technology within research or in partnership with the private sector.Experience of working with industry and can evidence established and mutually beneficial relationships.Involvement in national and international events.Teaching qualification (PCAP or equivalent). |  |
| Planning and organising | Proven ability to plan and shape the direction of an area of research and teaching activity, ensuring plans complement broader research and education strategy.Proven ability to develop innovative research proposals and attract research funding.Proven ability to plan, manage, organise and assess own teaching contributions. Proven ability in the design of course units, curriculum development and new teaching approaches in the School/Department, taking primary responsibility for their quality.Able to contribute to the development of research and teaching policy within the School/Department | Able to build research/teaching teams. |  |
| Problem solving and initiative | Able to develop significant new concepts and original ideas within own field in response to intractable issues of importance to the research area. |  |  |
| Management and teamwork | Able to mentor, manage, motivate and coordinate teaching/research teams, delegating effectively. Able to resolve performance issues and formulate staff development plans, where appropriate, to ensure team aims are met.Proven ability to manage and deliver own course units and team-taught course units. Proven ability to coach, advise and support others (staff and students) on learning and teaching issues.Able to foster and develop good relationships between own School and the rest of the university. Able to work proactively with senior colleagues to develop cross-School and institution cooperation and effectiveness.Able to contribute to the running of the School by managing significant School processes.Able to monitor and manage resources and budgets.Work effectively in a team, understanding the strengths and weaknesses of others to help teamwork development. |  |  |
| Communicating and influencing | Communicate new and complex information effectively, both verbally and in writing, engaging the interest and enthusiasm of the target audience.Extensive track record of presenting research results at group meetings and conferences.Extensive track record of delivering lectures and seminars in courses relating to different aspects of healthcare/MedTech.Able to engage counselling skills and pastoral care, where appropriate.Able to persuade and influence at all levels to foster and maintain relationships, resolving tensions/difficulties as they arise. Able to provide expert guidance to colleagues in own team, other work areas and institutions to develop understanding and resolve complex problems.Able to negotiate for the School on key issuesAble to develop and lead key communications strategies |  |  |
| Other skills and behaviours | Compliance with relevant Health & Safety issues.Positive attitude to colleagues and students. |  |  |
| Special requirements | Able to attend national and international conferences to present research/education. |  |  |

**JOB HAZARD ANALYSIS**

**Is this an office-based post?**

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| [x]  Yes | If this post is an office-based job with routine office hazards (eg: use of VDU), no further information needs to be supplied. Do not complete the section below. |
| [ ]  No | If this post is not office-based or has some hazards other than routine office (eg: more than use of VDU) please complete the analysis below.Hiring managers are asked to complete this section as accurately as possible to ensure the safety of the post-holder. |

## - HR will send a full PEHQ to all applicants for this position. Please note, if full health clearance is required for a role, this will apply to all individuals, including existing members of staff.

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| **ENVIRONMENTAL EXPOSURES** | **Occasionally** (<30% of time) | **Frequently**(30-60% of time) | **Constantly**(> 60% of time) |
| Outside work  |  |  |  |
| Extremes of temperature (eg: fridge/ furnace) |  |  |  |
| ## Potential for exposure to body fluids |  |  |  |
| ## Noise (greater than 80 dba - 8 hrs twa) |  |  |  |
| ## Exposure to hazardous substances (eg: solvents, liquids, dust, fumes, biohazards). Specify below: |  |  |  |
| Frequent hand washing |  |  |  |
| Ionising radiation  |  |  |  |
| **EQUIPMENT/TOOLS/MACHINES USED** |
| ## Food handling  |  |  |  |
| ## Driving university vehicles(eg: car/van/LGV/PCV)  |  |  |  |
| ## Use of latex gloves (prohibited unless specific clinical necessity) |  |  |  |
| ## Vibrating tools (eg: strimmers, hammer drill, lawnmowers)  |  |  |  |
| **PHYSICAL ABILITIES** |
| Load manual handling |  |  |  |
| Repetitive crouching/kneeling/stooping |  |  |  |
| Repetitive pulling/pushing |  |  |  |
| Repetitive lifting |  |  |  |
| Standing for prolonged periods |  |  |  |
| Repetitive climbing (ie: steps, stools, ladders, stairs) |  |  |  |
| Fine motor grips (eg: pipetting) |  |  |  |
| Gross motor grips |  |  |  |
| Repetitive reaching below shoulder height |  |  |  |
| Repetitive reaching at shoulder height |  |  |  |
| Repetitive reaching above shoulder height |  |  |  |
| **PSYCHOSOCIAL ISSUES** |
| Face to face contact with public |  |  |  |
| Lone working |  |  |  |
| ## Shift work/night work/on call duties  |  |  |  |