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| Last updated: | 08/04/2025 |

**JOB DESCRIPTION**

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| Post title: | **Research Fellow** |
| School/Department: | Primary Care, Population Sciences and Medical Education / Engineering - Civil, Maritime and Environmental Engineering |
| Faculty: | Faculty of Medicine /Faculty of Engineering and Physical Sciences  |
| Career Pathway: | Education, Research and Enterprise (ERE) | Level: | 4 |
| \*ERE category: | Research pathway |
| Posts responsible to: | Professor of Public Health and Professor in Rail Transport, Civil, Maritime & Env. Eng. |
| Posts responsible for: | NA |
| Post base: | Hybrid |

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| Job purpose |
| The post holder will work within an exciting five-year transdisciplinary, multicentre project which aims to accelerate the adoption of low-carbon transport solutions that maximise health co-benefits and reduce health inequalities. The Healthy Low-carbon Transport Hub (HLTH) has been established to lead research into maximising the health benefits of low-carbon transport. The role will support transdisciplinary working, evaluation and evidence synthesis, contributing to the development of a transdisciplinary conceptualisation of Healthy Transport Systems and a new transdisciplinary assessment framework for planning and transportation schemes.  |

| Key accountabilities/primary responsibilities | % Time |
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|  | Develop and carry out evidence syntheses of conceptualisation, evaluation and appraisal frameworks as well as the health inequality implications of transport decarbonisation strategies and their implementation  | 25% |
|  | Develop and engage in research methodologies that add to the knowledge/ understanding of the subject area for example by using participatory approaches to understand the health inequality implications of transport decarbonisation strategies and their implementation | 10 % |
|  | Sustain community engagement and regular dissemination of findings through taking the lead in in preparing publication materials for referred journals, presenting results at conferences, or exhibiting work at other appropriate events. | 10 % |
|  | Support the implementation of the transdisciplinary assessment frameworks- this will involve liaison with external organisations including those designing and delivering low carbon transport interventions, and engagement with research partners in identifying and analysing case studies. | 20 % |
|  | Collaborate/work on original research tasks with colleagues in other institutions and organisations including those from different disciplines | 10 % |
|  | Plan and develop innovative research proposals and projects. | 5% |
|  | Carry out administrative tasks associated with specified research funding, for example risk assessment of research activities, organisation of project meetings and documentation. Implementation of procedures required to ensure accurate and timely formal reporting and financial control. | 10 % |
|  | Any other duties as allocated by the line manager following consultation with the post holder. | 10 % |

| Internal and external relationships |
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| Direct responsibility to line managers.Direct responsibility to workstream leads. Work with other HLTH team members, research groups and partners.May have additional reporting and liaison responsibilities to external funding bodies or sponsors.May be asked to serve on a relevant School/Department committee, for example research committee. Collaborators/colleagues in other work areas and institutions. |

| Special Requirements |
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| Travel to project sites and meetings as required (please note that this may involve travel across England)Occasional overnight stays may be requiredTo be available to participate in fieldwork as required by the specified research project. To attend national and international conferences for the purpose of disseminating research results.*Applications for Research Fellow positions will be considered from candidates who are working towards or nearing completion of a relevant PhD qualification. The title of Research Fellow will be applied upon successful completion of the PhD. Prior to the qualification being awarded the title of* ***Senior Research Assistant*** *will be given.* |

**PERSON SPECIFICATION**

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| Criteria | Essential | Desirable | How to be assessed |
| Qualifications, knowledge and experience | Holds or undertaking a PhD (or equivalent qualification) in a health/ public health/ epidemiology/ healthcare/ economics/ transport engineering, or social science related subjectExperience in qualitative and quantitative research methodsExperience in evidence synthesis Knowledge across a breadth of public health themes and topics | Familiarity with health, health inequalities and wellbeing concepts and metrics as well as ways of assessing them in the short and long term.Familiarity with economic, social, and environmental impact concepts and metrics including carbonFamiliarity with analysis of implementation pathways and barriers to implementationExperience of conceptualising or understanding events in the context of complex adaptive systems.Experience of appraisal and post-implementation evaluationExperience of conducting systematic reviews Experience in trans/interdisciplinary working. |  |
| Planning and organising | Able to organise own research activities to deadline and quality standardsGood time management and the ability to implement objectives effectively and produce timely reports | Proven ability to manage multiple research projects with competing deadlines |  |
| Problem solving and initiative | Able to develop understanding of complex problems and apply in-depth knowledge to address themAbility to apply originality in modifying existing approaches to solve problems | Able to develop original techniques/ methods |  |
| Management and teamwork | Able to work effectively in a team, understanding the strengths and weaknesses of others to help teamwork developmentAble to contribute to School/Department management and administrative processes | Have experience of transdisciplinary and/or interdisciplinary working  |  |
| Communicating and influencing | Experience, confidence and capability to engage with collaborators and stakeholders at all levels of seniority, across different regions and sectors of the system; as well as research partners.Communicate new and complex information effectively, both verbally and in writing, engaging the interest and enthusiasm of the target audienceAble to foster and maintain relationships Able to resolve tensions/address 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 problemsCompetence in writing up research results for publication in leading peer-viewed journalsAbility to work proactively with colleagues in other work areas/institutions and public contributors, contributing specialist knowledge to achieve outcomes | Experience of working with members of the public, including under-represented and less-heard groups Experience of designing and implementing deliberative workshops |  |
| Other skills and behaviours | Understanding of relevant Health & Safety issuesPositive attitude to colleagues and studentsGeneral IT literacy skills, particularly ExcelGeneral knowledge of research Governance | Understanding of local authority and the social and political environment |  |
| Special requirements | Able to attend national and international conferences to present research resultsTo be available to participate in fieldwork as required by the specified research project. The post will involve travelling to other sites in the UK. |  |  |

**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  |  |  |  |