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| Last updated: | July 2024 |

**JOB DESCRIPTION**

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| Post title: | **Research Fellow in Health Economics** | | |
| Standard Occupation Code: (UKVI SOC CODE) | 2119 - Natural and social science professionals | | |
| School/Department: | Primary Care, Population Sciences and Medical Education | | |
| Faculty: | Medicine | | |
| Career Pathway: | Education, Research and Enterprise (ERE) | Level: | 4 |
| \*ERE category: | Research pathway | | |
| Posts responsible to: | Professor in Health Economics | | |
| Posts responsible for: | N/A | | |
| Post base: | Office-based | | |

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| Job purpose |
| To undertake health economics research in accordance with the specified research projects under the supervision of the lead health economist. To undertake teaching, management and engagement activities. |

| Key accountabilities/primary responsibilities | | % Time |
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|  | To implement and deliver the analysis within a health economics analysis plan for each study, mindful of the available data.  This will involve:   * Cleaning and checking the individual level participant data before analysis; * Identifying unit costs and use these to value the resources measured in the trials; * Valuing health outcomes, including Quality-Adjusted Life Years; * Undertaking incremental cost-effectiveness analyses; * Conducting regression-based analyses; * Building and populating economic decision analytic models; * Handle missing data appropriately; * Explore various sensitivity and sub-group analyses as appropriate; * Contribute to the write-up and presentation of the study results through a range of mediums but including academic publication and presentation.   Precise duties will be agreed in discussion with the Professor in Health Economics and the Principal Investigators for each project. | 50 % |
|  | To contribute to drawing out implications of the results of each study. | 5 % |
|  | To actively review the relevant scientific, academic and policy literature relevant to the studies. | 5 % |
|  | To contribute to the write-up of reports for each analysis, and prepare for dissemination of these in different formats, such as academic conferences, funder reports and academic publications. | 20 % |
|  | To provide regular reports on the progress of health economic work for each project to the line manager and study management staff. | 5 % |
|  | To make an active contribution to the academic development of the Health Economics within the School of Primary Care, Population Sciences and Medical education, i.e. delivering seminars, attending research ideas meetings, contributing to the writing of new funding applications etc. | 5 % |
|  | For candidates wishing to have opportunities to develop teaching skills there will be chances to contribute to the school and faculty teaching activities in health economics and more broadly. | 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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| Direct responsibility to holder of research award or academic supervisor.  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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| 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 | MSc or equivalent professional qualifications and experience in health economics or related quantitative discipline (decision modelling, data science, statistics or operational research)  Detailed understanding and knowledge of economic evaluation applied to health and care | PhD in health economics or related quantitative discipline (decision modelling, data science, statistics or operational research).  Knowledge of health economic evaluation, decision modelling, econometric analysis, preference elicitation methods, and/or health technology assessment.  Experience of health economic evaluation, decision modelling econometric analysis, preference elicitation methods, and/or health technology assessment.  Knowledge of the UK health system  Experience teaching at undergraduate level and/or postgraduate level | Application (A)  Interview (I)  Reference (R) |
| Planning and organising | Able to organise own research activities to deadline and quality standards  Demonstratable knowledge and application of good research practices such as those relating to ethics or data management. |  | A, I, R |
| Problem solving and initiative | Able to develop understanding of complex problems and apply in-depth knowledge to address them  Able to develop original techniques/methods  Able to demonstrate excellent quantitative and IT skills |  | A, I, R |
| Management and teamwork | Able to contribute to School/Department management and administrative processes  Work effectively in a team, understanding the strengths and weaknesses of others to help teamwork development |  | A, I, R |
| Communicating and influencing | Communicate new and complex information effectively, both verbally and in writing, engaging the interest and enthusiasm of the target audience  Able to present research results at group meetings and conferences  Able to write up research results for publication in leading peer-viewed journals  Work proactively with colleagues in other work areas/institutions, contributing specialist knowledge to achieve outcomes |  | A, I, R |
| Other skills and behaviours | Understanding of relevant Health & Safety issues  Positive attitude to colleagues and students |  | A, I, R |
| Special requirements | Able to attend national and international conferences to present research results |  | A, I, R |

**JOB HAZARD ANALYSIS**

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

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| 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 |  |  |  |