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| Last updated: | 29-11-22 |

**JOB DESCRIPTION**

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| Post title: | **Senior Research Fellow** |
| Academic Unit/Service: | Primary Care, Population Sciences and Medical Education (PPM) |
| Faculty: | Medicine |
| Career Pathway: | Education, Research and Enterprise (ERE) | Level: | 5 |
| \*ERE category: | Research |
| Posts responsible to: | NIHR Global Health Professor |
| Posts responsible for: | N/A |
| Post base: | Office-based |

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| Job purpose |
| To undertake research for the programme entitled: “Improving adult health in sub-Saharan Africa through couples-focused interventions for HIV, STIs and diabetes”, funded by National Institute for Health Research under the supervision of the NIHR Global Health Professor. The post holder will be expected to generally work independently and to liaise closely with the PI, the rest of the Southampton team and South African partners. |

| Key accountabilities/primary responsibilities | % Time |
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|  | To lead statistical analyses and modelling of available data. | 65% |
|  | Prepare data sets for analysis: i.e. linking existing datasets and deriving variables of interest after critical review of existing literature. | 10% |
|  | To contribute to the writing of presentations, academic publications and policy briefings by taking a lead writing role or providing support to others in the team as appropriate. | 15% |
|  | Carry out occasional student supervision, demonstrating or lecturing duties within own area of expertise, under the direct guidance of a member of departmental academic staff. | 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 line managerThe post involves working with research staff from a range of disciplines based in the University of Southampton and at other universities nationally and internationally. |

| Special Requirements |
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| The post may involve non-standard hours of work from time to time, in order to complete tasks to short deadlines.The post may involve attending national and international conferences for the purpose of disseminating research; and attending occasional research meetings with collaborators outside Southampton. |

**PERSON SPECIFICATION**

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| Criteria | Essential | Desirable | How to be assessed |
| Qualifications, knowledge and experience | PhD in Epidemiology, Demography, Medical/Social Statistics, economics, bioinformatics, data science or equivalent, with a good working knowledge of epidemiology concepts and / or population processesExperience in Global Health ResearchTrack record of published research as first author and presentations at academic meetings, including conferences. Substantial demonstrated research experience pre- or post-PhD Evidenced experience conducting advanced statistical analysis such as discrete survival analysis, generalised linear mixed models and generalised estimating equation models, and methods to analyse longitudinal population, panel or cohort health (or closely related) data.Experience of handling data from large and complex datasets.Substantial experience in using a statistical package eg. STATA or R.  | Experience in the substantive areas and regional focus of the CHERISH programme i.e. HIV, diabetes, couples health and sub-Saharan Africa.Knowledge of contemporary issues in population and health in developing countries  | CVApplicationInterview  |
| Planning and organising | Ability to plan and organise work independently and as part of a team.Able to maintain judgement under pressure and meet deadlines.Methodical and practical with excellent attention to detail. | Ability to develop innovative research proposals and attract research funding | CVApplicationInterview  |
| Problem solving and initiative | Able to develop understanding of complex problems and apply in-depth knowledge to address them.Able to identify broad trends to assess deep-rooted and complex issuesAble to apply originality in modifying existing approaches to solve problems | Able to identify relevant theoretical and methodological issues that need to be addressed. | CVApplicationInterview  |
| Management and teamwork | Able to work independently but also in conjunction with other members of the research teams involved with the studies, including overseas teams.Good interpersonal skills. |  | CVApplicationInterview  |
| Communicating and influencing | Good written and oral communication skills.The ability to communicate study design and research methods including statistical concepts to clinical scientists and other researchers not trained in statistics. Also required to communicate in non-technical language (orally and written) with researchers and operational staff for whom English is not their first language. | Some teaching experience. | CVApplicationInterview  |
| Other skills and behaviours | Word processing, internet, bibliographic search skills and bibliographic software (e.g. Endnote). Positive attitude to colleagues and students and an appetite for working in an interdisciplinary and international research team |  | CVApplicationInterview  |
| Special requirements |  | Available to join research visits in South Africa  | CVApplicationInterview  |

**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  |  |  |  |