

JOB DESCRIPTION

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| POST | Medical Research Council Skills Development Fellowship |
| CONTRACT | Fixed term |
| REFERENCE NO | 090-19 |
| REPORTS TO | Kevin Mortimer |
| ROLE PURPOSE/SUMMARY | <p>The successful candidate will enter the MRC Skills Development Fellowship Programme (https://mrc.ukri.org/skills-careers/fellowships/skills-development-fellowships/). This fellowship programme is for researchers who are early in their career e.g. having recently finished their PhD (or about to) who have preliminary skills in a priority area but need further training to develop these skills. It is also for researchers at all career stages who wish to obtain new skills in a priority area.</p> <p>The scheme currently focuses on the following priority skills areas: mathematics, statistics, computation, informatics, health economics and/or mixed methods research applicable to any biomedical or health related data sources, from molecular to population level. These skills can be applied across the full range of the MRC's remit, for example, cell biology, physiology, epidemiology, population and public health, and health psychology.</p> <p>The scientific theme for the MRC SDF is Global Health with a focus on translational and quantitative skills development. The strategic aims are:</p> <ol style="list-style-type: none"> 1) To develop a cadre of talented researchers who demonstrate leadership in translational research relevant to Global Health. 2) To develop researchers with the quantitative and interdisciplinary skills needed to work across the traditional phases of translational research. 3) To develop bridge scientists who can translate scientific innovation into beneficial impact on health for the World's most vulnerable people and communities. <p>The Programme is administered and primarily hosted by LSTM but delivered in partnership with the Centre for Health Informatics, Computing, and Statistics at Lancaster University. Kevin Mortimer (clinical) and Giancarlo Biagini (non-clinical) are the academic leads at LSTM and Peter Diggle (advanced quantitative skills) is the academic lead at Lancaster.</p> <p>The successful candidate will undertake specific projects that are aligned to this programme with individually-tailored training elements embedded within them. On exiting the programme, it is expected that fellows will be competitive for external competitive funding and career development.</p> |
| SCOPE/BACKGROUND | Biological and medical sciences, mathematics and statistics. |

ROLE SPECIFIC RESPONSIBILITIES

| | KEY RESPONSIBILITIES | KEY ACTIONS These set out how the Key Responsibilities will be achieved |
|---|---|---|
| 1 | Lead on the design and implementation of translational and quantitative global health research projects | Design and implement high quality global health research projects |
| | | Support more junior researchers design and implement high quality global health research projects |
| | | Undertake training in translational research and quantitative skills offered through the fellowship programme |
| | | Responsible for establishing collaborations and partnerships with external partners |
| 2 | Lead on developing presentations for conferences and research papers for publication | Lead the development of presentations for meetings and conferences in partnership other investigators |
| | | Present research findings in various formats at research meetings and conferences |
| | | Lead the development of research papers for submission to scientific journals |
| 3 | Contribute to developing grant applications | Contribute to the development of grant applications to external funders in conjunction with LSTM/Lancaster colleagues |
| 4 | Student supervision and teaching | Supervise student projects (e.g. BSc, MSc, PhD) |
| | | Contribute to undergraduate and post-graduate teaching |

FURTHER RESPONSIBILITIES

| | KEY RESPONSIBILITIES | KEY ACTIONS These set out how the Key Responsibilities will be achieved |
|---|----------------------|--|
| 1 | General | Any other duties commensurate with the grade and nature of the role including health and safety, human ethics. |
| | | Responsible for project data integrity according to LSTM data management and publication policies |
| | | Responsible for project data management and archiving according to LSTM policy |
| | | Promote equality of opportunity and inclusive practice in all aspects of work undertaken |
| | | Act in a manner that safeguards children and/or vulnerable adults as applicable to the role |
| | | Any other duties commensurate with the grade and nature of the role |

PERSON SPECIFICATION

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|---|--|--------------------------------------|
| POST | Medical Research Council Skills Development Fellowship | |
| COMPETENCY CRITERIA | ESSENTIAL/ DESIRABLE | ASSESSMENT |
| Qualifications, Training & Knowledge | | |
| <p>Doctorate (PhD or MD) awarded (or about to be awarded) in a relevant discipline as outlined by the MRC Skills Development Fellowship</p> <ul style="list-style-type: none"> The scheme currently focuses on the following priority skills areas: mathematics, statistics, computation, informatics, health economics and/or mixed methods research applicable to any biomedical or health related data sources, from molecular to population level. These skills can be applied across the full range of the MRC's remit, for example, cell biology, physiology, epidemiology, population and public health, and health psychology. | Essential | Application/Interview/ Assessment |
| Understanding of global health issues | Essential | Application/Interview/ Assessment |
| Training to doctoral level in discipline-relevant research methods, including experimental design, data collection, analysis, and reporting | Essential | Application/Interview/ Assessment |
| Provide evidence that the candidate has the ability to undertake relevant skills training e.g. mathematics, statistics, computation, informatics, health economics and/or mixed methods research applicable to any biomedical or health related data sources, from molecular to population level | Essential | Application/Interview/ Assessment |
| Experience | | |
| Computer competent with dataset management, statistical analysis, disease modelling, and MS Office | Essential | Application/Interview/ Assessment |
| Experienced and competent in design and delivery of research projects | Essential | Application/Interview/ Assessment |
| Experienced in presenting scientific findings at conferences | Essential | Application/Interview/ Assessment |
| Experienced in publishing in scientific journals | Essential | Application/Interview/ Assessment |
| Experienced in data analysis | Essential | Application/Interview/ Assessment |
| Demonstration of publication record appropriate to career stage | Essential | Application/Interview/ Assessment |
| Started to establish a network of research contacts beyond current group leader/supervisor | Essential | Application/Interview/ Assessment |
| Experienced in student project supervision | Desirable | Application/Interview/ Assessment |
| Demonstration of performing at high standards relative to experience e.g. awards/medals/fellowships | Desirable | Application/Interview/ Assessment |
| Demonstration of development towards scientific independence | Desirable | Application/Interview/ Assessment |
| Skills & Behaviours | | |
| Knowledge and behaviours that support equality, diversity and inclusive practice | Essential | Application/Interview/ Assessment |
| Knowledge and behaviours that support safeguarding as applicable to the role | Essential | Application/Interview/ Assessment |
| Skills and behaviours appropriate to early career stage scientist | Essential | Application/Interview/ Assessment |
| Excellent verbal and written communication skills, with the ability to communicate at all levels | Essential | Application/Interview/ Assessment |
| Demonstrable attention to detail and accuracy, leading to high quality control of research data and results | Essential | Application/Interview/ Assessment |
| Excellent organisational skills with the ability to achieve research objectives independent of day to day supervision | Essential | Application/Interview/ Assessment |

| COMPETENCY CRITERIA | ESSENTIAL/ DESIRABLE | ASSESSMENT |
|---|-------------------------|--------------------------------------|
| Ability to work as an integral, productive and co-operative member of a multi-disciplinary team in a flexible and competent manner and to liaise effectively with collaborators from different cultures | Essential | Application/Interview/ Assessment |
| Demonstrate a confident, enthusiastic, and energetic approach, with a willingness to get involved in all aspects of the project and research activities | Essential | Application/Interview/ Assessment |
| Determination to contribute LSTM's productivity (publication, teaching, public engagement) | Desirable | Application/Interview/ Assessment |
| Demonstration of knowledge of relevant regulatory procedures e.g. health & safety regulations, home office animal licence, human ethics procedures, human tissue procedures | Desirable | Application/Interview/ Assessment |
| Circumstances | | |
| Flexibility to occasionally work outside of normal hours to meet deadlines | Essential | Application/Interview/ Assessment |
| Ability to undertake national and international travel | Essential | Application/Interview/ Assessment |