JOB DESCRIPTION

POST	Medical Research Council Skills Development Fellowship
REFERENCE	726-17
CONTRACT	Fixed-term (3 years)
REPORTS TO	Kevin Mortimer
ROLE PURPOSE/SUMMARY	The successful candidate will enter the MRC Skills Development Fellowship Programme (https://www.mrc.ac.uk/skills-careers/fellowships/skills-development-fellowships/) .This fellowship programme is for researchers that are early in their career e.g. having just finished their PhD (or about to) or within a few years of doing so, who have preliminary skills in a priority area but need further training to develop these skills, or who wish to obtain new skills in a priority area that is complementary to existing skills. 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. The scientific theme for the MRC SDF is Global Health with a focus on translational and quantitative skills development. The strategic aims are: 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. 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. 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
SCOPE	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

PERSON SPECIFICATION

POST	Medical Research Council Skills Development Fellowship

COMPETENCY CRITERIA	ESSENTIAL/ DESIRABLE	ASSESSMENT
Qualifications, Training & Knowledge		
Doctorate (PhD or MD) awarded (or about to be awarded) in a relevant discipline as outlined by the MRC Skills Development Fellowship • 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.	E	Application & Interview
Understanding of global health issues	D	Application & Interview
Training to doctoral level in discipline-relevant research methods, including experimental design, data collection, analysis, and reporting	E	Application & Interview
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	E	Application & Interview
Experience		
Computer competent with dataset management, statistical analysis, disease modelling, and MS Office	E	Application & Interview
Experienced and competent in design and delivery of research projects	E	Application & Interview
Experienced in publishing in scientific journals	E	Application & Interview
Experience in data analysis	E	Application & Interview
Demonstration of publication record appropriate to career stage	E	Application & Interview
Experienced in student project supervision	D	Application & Interview
Demonstration of development towards scientific independence	D	Application & Interview
Demonstration of performing at high standards relative to experience e.g. awards/medals/fellowships	D	Application & Interview
Skills & Behaviours		
Skills and behaviours appropriate to early career stage scientist	E	Application & Interview
Demonstration of knowledge of relevant regulatory procedures e.g. health & safety regulations, home office animal licence, human ethics procedures, human tissue procedures	D	Application & Interview

COMPETENCY CRITERIA	ESSENTIAL/ DESIRABLE	ASSESSMENT
Excellent verbal and written communication skills, with the ability to communicate at all levels	E	Application & Interview
Demonstrable attention to detail and accuracy, leading to high quality control of research data and results	E	Application & Interview
Excellent organisational skills with the ability to achieve research objectives independent of day to day supervision	E	Application & Interview
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	E	Application & Interview
Circumstances		
Determination to contribute LSTM's productivity (publication, teaching, public engagement)	D	Application & Interview
Demonstrate a confident, enthusiastic, and energetic approach, with a willingness to get involved in all aspects of the project and research activities	E	Application & Interview
Flexibility to occasionally work outside of normal hours to meet deadlines	E	Application & Interview
Ability to undertake national and international travel	D	Application & Interview

MRC Skills Development Fellowship – October 2017