

# PERSON SPECIFICATION

**Senior Research Associate (Grade 7)**

**Human mobility modelling**

**Ref: 1161-24**

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| Criteria | Essential/ Desirable | Application Form/ Supporting Statements/ Interview  \* |
| A PhD or equivalent in a subject with a substantial quantitative components | Essential | Application Form |
| Experience in analysing epidemiological information | Essential | Application Form / Supporting Statement |
| Experience in handling large and complex data | Essential | Supporting Statement/Interview |
| Knowledge of network science and/or mobility modelling | Essential | Application Form / Supporting Statement |
| An understanding of the principles of statistical inference | Desirable | Supporting Statement/Interview |
| Fluent in modern R or Python programming practice | Essential | Supporting Statement/Interview |
| Willingness to travel to work with grant collaborators and present at scientific conferences | Essential | Supporting Statement / Interview |
| Strong team-working skills | Essential | Supporting Statement / Interview |
| Experience in developing transmission models and fitting epidemic models to epidemiological data | Desirable | Application Form/ Supporting statement / Interview |
| Knowledge of modern open-source code development | Desirable | Interview |

* **Application Form** – assessed against the application form, curriculum vitae and letter of support. Applicants will not be asked to answer a specific supporting statement. Normally used to evaluate factual evidence eg award of a qualification. Will be “scored” as part of the shortlisting process.
* **Supporting Statements** - applicants are asked to provide a statement to demonstrate how they meet the criteria. The response will be “scored” as part of the shortlisting process.
* **Interview** – assessed during the interview process by either competency-based interview questions, tests, presentation etc.