**JOB DESCRIPTION**
**Ref: A2551**

| | |
|---|---|
| **Job Title: Senior Research Associate in Computer Science and Statistical Modelling** | **Grade:** 7 |
| **Department/College:** CHICAS, Lancaster Medical School | |
| **Directly Responsible To:** Dr Chris Jewell | |
| **Supervisory Responsibility For:** N/A | |
| **Other contacts**<br>**Internal:** Other Investigators, Staff/Research Associates/PhD students in the Data Science Institute; other Staff and Students at the University.<br>**External:** Members of the broader research team at partner universities and research-intensive establishments (e.g. APHA, PHE). Other industrial partners and the wider research community. | |

**Major Activities:**

The role holder will aid in the design and implementation of "Generalized Epidemic Modelling" software. The role carries responsibility for ensuring that software development activities are in line with project objectives and has autonomy to ensure that objectives are met.

- Supporting and undertaking software development for "GEM", a package implementing a domain-specific modelling language for epidemic models.

- To provide code in a clean, concise, open, and fully documented fashion in accordance with open source software principles.

- To engage with the other partner institutions and industrial project partners as directed by the project leads.

- To attend project meetings as directed by the investigators.

- To lead the writing and submission of peer-reviewed research articles.

- To attend meetings, workshops and conferences in the UK for presenting software outputs and networking.

- To undertake other duties as may be requested by the project leads in line with the grade of the post and the capabilities of the Senior Research Associate.