



|                    |                                                      |                      |                                                                                                                                            |
|--------------------|------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Job title          | Research Associate/Fellow in Statistics (Fixed term) | Job family and level | Research & Teaching Level 4 (Appointment will be Level 4 Career training grade where an appointment is made before PhD has been completed) |
| School/ Department | Mathematical Sciences                                | Location             | University Park Campus                                                                                                                     |

## Purpose of role

- Have specific responsibility for research, for developing research objectives with Dr. Aidan O’Keeffe on the NIHR-funded project “Flexible joint multi-state models for health care processes and disease progression”
- Plan and conduct work using approaches or methodologies and techniques appropriate to the type of research.
- Be responsible for writing up their work for publication and have the opportunity to use their initiative and creativity to identify areas for research, develop research methods and extend their research portfolio.

|   | Main responsibilities<br>(Primary accountabilities and responsibilities expected to fulfil the role)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | % time per year |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1 | <b>Research</b> <ul style="list-style-type: none"><li>▪ Undertake original research of international excellence.</li><li>▪ Develop research objectives and proposals for own and/or collaborative research area.</li><li>▪ Plan and conduct research using recognised approaches, methodologies and techniques within the research area.</li><li>▪ Collaborate with academic colleagues on areas of shared interest for example, collaborative or joint research projects.</li><li>▪ Plan and manage own research activity and resolve problems, if required, in meeting own/team research objectives and deadlines in collaboration with others.</li></ul> | 80%             |
| 2 | <b>Engagement, Communication and Dissemination</b> <ul style="list-style-type: none"><li>▪ Analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights to research area.</li><li>▪ Prepare papers for publication in leading journals and/or contribute to the dissemination at national/international conferences, workshops and meetings resulting in successful research outputs.</li><li>▪ Provide support, guidance and supervision to other staff, where appropriate in own area of expertise.</li></ul>                                                                                                      | 20%             |

## Person specification

|                                                                      | Essential                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Desirable                                                                                                                                                                                               |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skills</b>                                                        | <ul style="list-style-type: none"> <li>▪ Excellent oral and written communication skills, including the ability to communicate with clarity on complex information.</li> <li>▪ Excellent organisational skills</li> <li>▪ High analytical ability to analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights.</li> <li>▪ Ability to creatively apply relevant research approaches, models, techniques and methods.</li> <li>▪ Ability to assess and organise resource requirements and deploy effectively.</li> <li>▪ Ability to build relationships and collaborate with others, both internally and externally.</li> <li>▪ Ability to work independently and as part of a multidisciplinary and multicultural team</li> </ul> | <ul style="list-style-type: none"> <li>▪ Ability to foster a research culture and commitment to learn in others.</li> </ul>                                                                             |
| <b>Knowledge and experience</b>                                      | <ul style="list-style-type: none"> <li>▪ Expert knowledge of statistical modelling (including both theoretical and computational aspects), use of statistical software (e.g. R - including programming) and applications to medicine and health care.</li> <li>▪ Proven ability to produce research of high quality in statistics or a closely related discipline.</li> <li>▪ Some practical experience of applying the specialist skills and approaches and techniques required for the role.</li> <li>▪ Networking, actively engaging with and valuing other areas and diverse groups</li> </ul>                                                                                                                                                                          | <ul style="list-style-type: none"> <li>▪ Published papers in relevant academic journals.</li> <li>▪ Experience of developing new approaches, models, techniques or methods in research area.</li> </ul> |
| <b>Qualifications, certification and training (relevant to role)</b> | <ul style="list-style-type: none"> <li>▪ PhD or equivalent, in a relevant branch of statistics, biostatistics, data science or a closely related discipline<br/>OR near to completion of a PhD.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                         |



The University strongly endorses Athena SWAN principles, with commitment from all levels of the organisation in furthering women's careers. It is our mission to ensure equal opportunity, best working practices and fair policies for all.

## Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

|                           |                                                                                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Valuing people</b>     | Is always equitable and fair and works with integrity. Proactively looks for ways to develop the team and is comfortable providing clarity by explaining the rationale behind decisions.                                           |
| <b>Taking ownership</b>   | Is highly self-aware, looking for ways to improve, both taking on board and offering constructive feedback. Inspires others to take accountability for their own areas.                                                            |
| <b>Forward thinking</b>   | Driven to question the status quo and explore new ideas, supporting the team to "lead the way" in terms of know-how and learning.                                                                                                  |
| <b>Professional pride</b> | Sets the bar high with quality systems and control measures in place. Demands high standards of others identifying and addressing any gaps to enhance the overall performance.                                                     |
| <b>Always inclusive</b>   | Ensures accessibility to the wider community, actively encouraging inclusion and seeking to involve others. Ensures others always consider the wider context when sharing information making full use of networks and connections. |

## Key relationships with others

This is a Smart Art diagram. Click on the boxes to enter the role holder's job title, line manager's job title and any direct reports (if applicable). If a role does not have any direct reports, remove this box by double clicking on it and pressing Delete.

**\*\*Please remove this paragraph of instructions before submitting the role profile\*\***



